A Systematic Mapping Study (SMS) Edge computing

(Supplementary Materials (EC-SupMat))

Members:

Leaders	Dr. Saeid Abrishami Dr. Abbas Rasoolzadegan (rasoolzadegan@um.ac.ir)
Main Member	Jalal Sakhdari
Other Members	Shaghayeq Izadpanah, Behrooz zolfaghari, Mahsa Shadi, Mahla Rahati, Samaneh Mahdizadeh

Summer – 2020

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Table 1. Relevance Signs for Study Selection

No.	Aims and Scopes	xID	No.	Aims and Scopes	xID	No.	Aims and Scopes	xID
1	The solutions that directly refer to Edge/Edge Computing, Fog/Fog Computing, Multi-access Edge Computing (MEC), Osmotic Computing or Mist Computing	1	2	The solutions that send the computation far from the core (centralized cloud) close to the applications/services	1	3	The solutions that provide elastic resources and services to end users at the Edge of network	1
4	The solutions that try to Offload computation power (Mobile Offloading) to nearby infrastructure, such as cloudlet	1	5	The solutions that distribute the computation power more evenly around the network	1	6	The solutions that cause the computation to get closer to the applications/users	1
7	The solutions that address the defining characteristics of the Fog/Edge/Mist Computing, such as low latency, location awareness, wide-spread geographical distribution, mobility, very large number of nodes, predominant role of wireless access, strong presence of streaming, real-time applications, reduction of network bandwidth usage, and heterogeneity	1	8	The solutions that overcome the inherent problems of centralized clouds, such as unreliable latency, lack of mobility support, lack of geo-distribution, low network bandwidth and location-awareness	1	9	The solutions that analyze and pre-process data on Fog nodes to minimize latency, reduce bandwidth usage, deal with the current demands of IoT applications/users, or process the large amount of data that has been produced by IoT devices	1
10	The solutions that try to replace long-thin connections (in the centralized cloud) with short-fat connections (in Fog/Edge Computing) to deal with resource-hungry mobile users/applications	1	11	The solutions that are useable in Mobile devices (with limited resources), which try to offload/Outsource their computation jobs to the nearby cloud and expect real-time response	1	12	The solutions that provide agility of a service to manage the diverse service requests from billions of Nomadic Mobile users (This can be hardly managed in the centralized cloud.)	1
13	The solutions that enable computing directly at the Edge of the network or move data processing capabilities closer to the network Edge	1	14	The solutions that propose light-weight cloud-like facilities at the proximity of Mobile users	1	15	The solutions that use the Cloudlets (smaller Edge Clouds) at the Edge or nearer to the applications /users	1
16	The solutions that provide location-aware services, which are more desirable to Mobile applications/users	1	17	The solutions that use Edge devices to carry out a substantial amount of computation, storage, or communication	1	18	The solutions that are deployed at localized sites and, therefore, can provide customized and engaged location-aware services	1
19	The solutions that extend the computation power close to the ground (Fog Computing) or on the ground (Mist Computing)	1	20	The solution that tries to decentralized computation in cloud computing area, which application tasks will need to be offloaded both from data centers and user devices on to micro-clouds. this so-called decentralized cloud computation	1	21	Edge data centers, which are owned and deployed by infrastructure providers, implement a multi-tenant virtualization infrastructure	1
22	Edge paradigms include Fog Computing, Mobile Edge Computing, and Mobile Cloud Computing. The common denominator in these edge paradigms is the deployment of cloud computing-like capabilities at the edge of the network [2]	1	23		1	24		1

Table 2.The Secondary Studies used for Generating Initial Set of our SMS

No.	Secondary Study Title	Type	Journal/Conference/Workshop Name	Year	Ref.	xID
1	A Comprehensive Survey on Fog Computing: State-of-the-Art and Research Challenges	SMS	IEEE Communications Surveys & Tutorials	2018	**Error! Reference source not found.**[1]	1
2	A Taxonomy for Management and Optimization of Multiple Resources in Edge Computing	Survey	Wireless Communications and Mobile Computing	2018	**Error! Reference source not found.**[2]	1
3	Mobile Edge Computing, Fog et al.: A Survey and Analysis of Security Threats and Challenges	Survey	Future Generation Computer Systems (FGCS)	2018	**Error! Reference source not found.**[3]	1
4	Survey on Fog Computing: Architecture, Key Technologies, Applications and Open Issues	Survey	Journal of Network and Computer Applications (JNCA)	2017	**Error! Reference source not found.**[4]	1
5	Moving from Vehicular Cloud Computing to Vehicular Fog Computing: Issues and Challenges	Survey	International Journal on Computer Science and Engineering (IJCSE)	2017	**Error! Reference source not found.**[5]	1
6	On MultiAccess Edge Computing: A Survey of the Emerging 5G Network Edge Cloud Architecture and Orchestration	Survey	IEEE Communications Surveys and Tutorials	2017	**Error! Refe**	1

					rence source not found.[6]	
7	Edge Cloud Computing Technologies for Internet of Things: A primer	Survey	Digital Communications and Networks	2017	**Error! Reference source not found.**[7]	1
8	Fog Computing for Vehicular Ad Hoc Networks: Paradigms, Scenarios, and Issues	Survey	Journal of China Universities of Posts and Telecommunications	2016	**Error! Reference source not found.**[8]	1
9	A Systematic Literature Review of Fog Computing	SLR	NOKOBIT Bnneibsys Open Journal Systems	2016	**Error! Reference source not found.**[9]	1
10	Edge Computing: Vision and Challenges	Survey	IEEE Internet of Things Journal	2016	[10]	1
11	Edge-centric Computing: Vision and Challenges	Survey	ACM SIGCOMM Computer Communication Review	2015	**Error! Reference source not found.**[11]	1
12	An overview of Fog Computing and Its Security Issues	Survey	Concurrency and Computation: Practice and Experienxce	2015	Error! Reference source not found.[1	1

					2]	

Table 3. The Initial Keywords Set

No.	Keyword Name	xID	No.	Keyword Name	xID
1	Edge Computing/ Processing	1	2	Mist Computing	1
3	CDN Edge Server	1	4	Multi-Access Edge Computing (MEC)	1
5	Mobile Edge (Computing/ Cloud)	1	6	Offloading	1
7	Fog (Computing/ Node/ Cloud)	1	8	Cloudlet/ Micro data center (MDC)	1
9	Micro-cloud (microcloud)	1	10	Osmotic Computing	1
11	Nomadic Computing	1	12		1

- Journals Exclusion Criteria
  - ◊ JEC1: $(JCR\ is\ not\ available)$
  - ◊ JEC2: (Aims and scopes are not related)

  - Journals which have been included are colored in black (during the initial search phase).
  - Journals which have been excluded considering the exclusion criteria are colored in red (during the initial search phase).
  - Journals which have been included are colored in dark blue color (during the snowballing phase).
  - Journals which have been excluded considering the exclusion criteria are colored in dark purple color (during the snowballing phase).
  - Journals which have been included are colored in light blue color (during the evaluation phase).
  - Journals which have been excluded considering the exclusion criteria are colored in light purple color (during the evaluation phase).
- As shown in figure 1, our SMS process consists of three main phases. These are as follows: intial search phase (extracted search spaces set and found studies set from initial set), snowballing search phase, and evaluation phase. Bellow, a pictorial reference guide is provided which represents the inclusion or exclusion of journal search spaces in mentioned triple phases.
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- These are only some of journals informations presenting here. for all of theme referes to supplementary excel file $SupFile_{E6}$

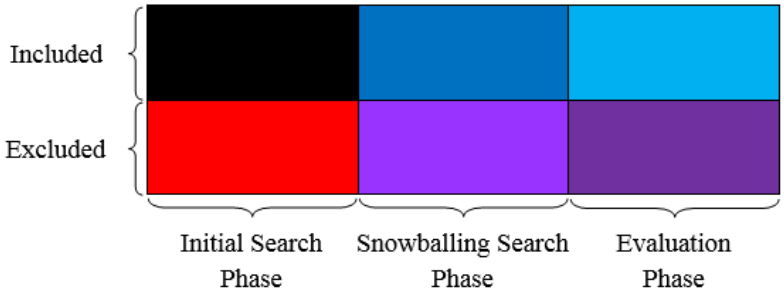

Table 4. Candidate Journals

JID	Journal Name	Topic	IF (JCR-2017)	Q (JCR-2017)	Publisher	RoE	Phase	xID
1	Wireless Communications and Mobile Computing	• Engineering Electrical and Electronic • Computer Science Information Systems • Telecommunications	0.869	Q4	Hindawi Limited	-	1	1, 2
2	Journal of Network and Computer Applications	• Computer Science Interdisciplinary Applications • Computer Science Software Engineering • Computer Science Hardware and Architecture	3.991	Q1	Elsevier	-	1	1
3	Future Generation Computer Systems	• Computer Science Theory and Methods	4.639	Q1	Elsevier	-	1	1, 2
4	IEEE Communications Surveys and Tutorials	• Computer Science Information Systems • Telecommunications	20.23	Q1	IEEE	-	1	1, 2
10	International Journal on Computer Science and Engineering	-	-	N/A	Elsevier	JEC1	1	1, 2
175	IEEE Computer Graphics and Applications	• Computer Science • Software Engineering	1.64	Q2	Institute of Electrical and Electronics Engineers	JEC2	2	2
176	International Journal of Computer Vision	• Computer Science • Artificial Intelligence	11.541	Q1	Springer-Verlag	JEC2	2	1
188	Siam Journal on Computing	• Computer Science • Theory & Methods • Mathematics • Applied	0.902	Q3	Society for Industrial and Applied Mathematics	-	2	4
221	Advances in Engineering Software	• Computer Science • Interdisciplinary Applications • Computer Science • Software Engineering • Engineering • Multidisciplinary	3.198	Q1	Elsevier	-	2	3
714	Journal of The American Academy of Dermatology	• Dermatology	6.898	Q1	Elsevier	JEC2	3	1
715	IEEE Transactions on Nanotechnology	• Physics Applied • Materials Science • Engineering • Electrical &Amp • Electronic	2.857	Q3	Institute of Electrical and Electronics Engineers	JEC2	3	1
718	Theory of Computing Systems	• Computer Science • Theory &Amp • Methods • Mathematics	0.458	Q4	Springer-Verlag	-	3	1
757	Advances in Computers	• Computer Science • Software Engineering	1.514	Q3	NULL	-	3	2
772	Sleep	• Clinical Neurology • Neurosciences	5.135	Q1	Oxford University Press	JEC2	4	1,6
774	Measurement Science and Technology	• Engineering Multidisciplinary • Instruments &Amp Instrumentation	1.685	Q2	IOP Publishing	JEC2	4	1,6
790	Sustainable Computing-Informatics & Systems	• Computer Science • Information Systems	1.196	Q3	Elsevier	-	4	1,6
812	Computers & Geosciences	• Computer Science • Interdisciplinary Applications • Geosciences	2.567	Q2	Elsevier	-	4	1,6

		• Multidisciplinary						

Table 5. Aims and Scopes of the Journals

JID	Journal Name	Aims and Scopes	xID
1	Wireless Communications and Mobile Computing	• Wireless Communications and Mobile Computing • Telecommunications and networking • New trends, developments, emerging technologies and new industrial standards	1
2	The Journal of Network and Computer Applications (JCNA)	• Research contributions, surveys and notes in all areas relating to computer networks and applications • New design techniques, interesting or novel applications, components or standards • Computer networks with tools such as WWW • Emerging standards for internet protocols • Wireless networks • Mobile Computing • Emerging computing models such as cloud computing, grid computing • Emerging network protocols such as sensor networks, delay-tolerant networks, Internet of things • Applications of networked systems for remote collaboration and telemedicine • Applications of an educational, transactional and cooperational nature • Applications of security in computer and networks	1

3	Future Generation Computer Systems (FGCS)	• Applications and application support
		  • Novel applications for novel infrastructures
		  • Complex workflow applications
		  • Big Data registration, processing and analyses
		  • Problem solving environments and virtual laboratories
		  • Semantic and knowledge-based systems
		  • Collaborative infrastructures and virtual organizations
		  • Methods for high performance and high throughput computing
		  • Urgent computing
		  • Scientific, industrial, social and educational implications
		  • Education
		• Methods and tools
		  • Tools for infrastructure development and monitoring
		  • Distributed dynamic resource management and scheduling
		  • Information management
		  • Protocols and emerging standards
		  • Methods and tools for internet computing
		  • Security aspects
		• Theory
		  • Process specification
		  • Program and algorithm design
		  • Theoretical aspects of large-scale communication and computation
		  • Scaling and performance theory
		  • Protocols and their verification
			1

4	IEEE Communications Surveys and Tutorials	• Tutorials and surveys covering all aspects of the communications field	1
5	IEEE Internet of Things (IoT)	• Latest advances and review articles, on the various aspects of IoT • IoT system architecture such as things-centric, data-centric, service-oriented IoT architecture • IoT enabling technologies and systematic integration such as sensor technologies, big sensor data management, and future Internet design for IoT • IoT services, applications, and testbeds such as IoT service middleware, IoT application programming interface (API), IoT application design, and IoT trials/experiment	1

JID	Journal Name	Aims and Scopes	xID
		• IoT standardization activities and technology development in different standard development organizations (SDO) such as IEEE, IETF, ITU, 3GPP, ETSI, etc	
6	ACM SIGCOMM Computer Communication Review (CCR)	• Report on practical advances or the practical applications of theoretical advances • Interesting and novel ideas at an early stage in their development • New ideas that may help trigger additional investigations • The innovation and timeliness are the major criteria for its acceptance, technical robustness and readability will also be considered in the review process	1
7	The Computer Journal	• Computer Science Theory, Methods and Tools • Computer and Communications Networks and Systems • Computational Intelligence, Machine Learning and Data Analytics • Security in Computer Systems and Networks	1
8	IEEE Communications Magazine	• All aspects of communications • Articles describe technology, systems, services, market trends, development methods, regulatory and policy issues, and significant global events • Tutorial and Comprehensive articles	1
9	Concurrency and Computation-Practice and Experience	• Concurrent solutions to specific problems in academia, industry and society • Concurrent algorithms and computational methods • Programming environments, operating systems, tools, concurrent languages, compilers, interpreters • Performance prediction, analysis, models and results • Applications, and algorithm and software technologies arising from the World Wide Web including novel areas, such as education • Unification of computing and communication • Unification of parallel and distributed computing	1
10	IEEE Access	• Multidisciplinary topics, or applications-oriented articles and negative results that do not fit within the scope of IEEE's traditional journals • Practical articles discussing new experiments or measurement techniques, interesting solutions to engineering • Development of new or improved fabrication or manufacturing techniques • Reviews or survey articles of new or evolving fields oriented to assist others in understanding the new area	1
11	IEEE Cloud Computing	• All areas of cloud computing • Novel theory, algorithms, performance analyses and applications of techniques • Cloud software • Cloud security • Trade-offs between privacy and utility of cloud • Cloud in the business environment • Cloud economics • Cloud governance • Migrating to the cloud • Cloud standards • Development tools • Backup and recovery • Interoperability • Applications management • Data analytics • Communications protocols • Mobile cloud • Private clouds • Liability issues for data loss on clouds • Data integration • Big data	1

JID	Journal Name	Aims and Scopes	xID
		• Cloud education • Cloud skill sets • Cloud energy consumption • The architecture of cloud computing • Applications in Commerce, education, and industry, Infrastructure as a Service (IaaS), Platform as a Service (PaaS), Software as a Service (SaaS), Business Process as a Service (BPaaS)	
12	IEEE Network Magazine	• Network protocols and architectures • Protocol design and validation • Communication software and its development and test • Network control and signaling • Network management • Practical network implementations including local area networks, (LANs), metropolitan area networks (MANs), and wide area networks, (WANs) • Switching and processing in integrated (voice/data) networks and network components, • Micro-to-host communication	1

13	IEEE Pervasive Computing	• Creation of environments saturated with sensing, computing, and wireless communication
		• Viable commercial technologies
		  • Wearable and handheld computers
		  • Wireless networking
		  • Location sensing
		  • Internet of Things platforms
		• Deep challenges for experts in areas such as
		  • Hardware design
		  • Sensor networks
		  • Mobile systems
		  • Mobile computing
		  • Human-computer interaction
		  • Industrial design
		  • Machine learning
		  • Data science
		  • Societal issues including privacy and ethics
		• Applications in areas such as
		  • Assisted living
		  • Automotive systems
		  • Cognitive assistance
		  • Hardware innovations
		  • ICT4D
		  • Manufacturing
		  • Retail
		  • Smart cities
		  • Sustainability
			1

14	IEEE Transactions on Cloud Computing (TCC)	• Multidisciplinary field of cloud computing • Innovative research ideas, application results, and case studies in cloud computing • Focusing on key technical issues related to theory, algorithms, systems, applications, and performance	1
15	IEEE Systems Journal	• Application-oriented manuscripts that address complex systems and system-of-systems of national and global significance • Address issues in new ways that are not solvable by pure engineering solutions • For example, disaster response such as that triggered by Hurricane Katrina, tsunamis, or current volcanic eruptions is not solvable by pure engineering solutions	1
16	Wireless Personal Communications	• Key Infection, Secrecy Transfer and Key Evolution for E-health Networks	1

JID	Journal Name	Aims and Scopes	xID
		• Key Distribution, Key Management and Key Agreement for E-health Networks • Multimedia Information Hiding and Identification over E-health Networks • Information Hiding based on Healthcare Data • Anti-Collusion Fingerprinting for E-health Networks • Anti-Collusion Codes and Detection Methods over E-health Networks • Healthcare Data Security and Privacy • System and Computing Security over E-health Networks • Reliability and Security Routing Protocols for E-health Networks • Information and Network Security in Big Data and Cloud Computing • Blockchain Technologies for Securing E-health Networks	
17	IEEE Transactions on Computers (1)	• Computer organizations and architectures • Operating systems, software systems, and communication protocol • Real-time systems and embedded systems • Digital devices, computer components, and interconnection networks • Specification, design, prototyping, and testing methods and tools • Performance, fault tolerance, reliability, security, and testability • Case studies and experimental and theoretical evaluations • New and important applications and trends	1
18	China Communications (16)	• Communication theory and techniques • Systems and networks • Applications • Development and regulatory policies • Standards • Management techniques • Reports experiences and experiments, best practices and solutions, lessons learned, and case studies	1

19	IEEE Transactions on Wireless Communications (TCC)	• State-of-the-art of wireless communications
		  • Theoretical contributions (including new techniques, concepts, and analyses)
		  • Practical contributions (including system experiments and prototypes, and new applications)
		• General scope of the Transactions includes
		  • Modulation and coding
		  • Detection and estimation
		  • Diversity techniques and equalization
		  • Propagation and channel characterization
		  • Fading countermeasures, Multiuser detection
		  • Signal separation and interference rejection
		  • DSP applications to wireless systems
		  • Broadband wireless communications
		  • Network architectures and protocols, with an emphasis on physical and link layer communication
		  • Adaptive antennas for wireless systems
		  • Multiple access techniques
		  • Space-time processing
		  • Synchronization techniques
		  • Software radio
		  • Resource allocation and interference management
		  • Multirate and multicarrier communications
		  • Security, privacy, and authentication
		  • Experimental and prototype results
		  • Systems and services including mobile satellites, wireless local loops, wireless LANs, wireless PBX, and PCS/cellular
			1

JID	Journal Name	Aims and Scopes	xID
		• Papers on specific topics or on more non-traditional topics related to specific application areas, are encouraged • Examples include Simulation tools and methodologies for design, analysis, rapid prototyping, performance prediction, and cellular system engineering; Orthogonal frequency division multiplexing; MIMO systems, and Wireless over optical.	

20	IEEE Journal on Selected Areas in Communications (11)	• Focuses on all telecommunications including
		  • Telephone
		  • Telegraphy
		  • Facsimile
		  • Point-to-point television, by electromagnetic propagation, including radio, wire, aerial, underground, coaxial, and submarine cables
		  • Waveguides, communication satellites, and lasers
		  • In marine, aeronautical, space, fixed station services
		  • Repeaters, radio relaying, signal storage, and regeneration
		  • Telecommunication error detection and correction
		  • Multiplexing and carrier techniques
		  • Communication switching systems
		  • Data communications
		• Communication theory
			1

21	IEEE Transactions on Emerging Topics in Computing (2)	• Publishes papers on emerging aspects of computer science, computing technology, and computing applications not currently covered by other IEEE Computer Society Transactions
		• Some examples of emerging topics in computing include
		  • IT for Green
		  • Synthetic and organic computing structures and systems
		  • Advanced analytics
		  • Social/occupational computing
		  • Location-based/client computer systems
		  • Morphic computer design
		  • Electronic game systems
		• Health-care IT
			1

22	SIGMOD Record	• Active and temporal data management • Data mining and models • Database programming languages • Databases on the WWW • Distributed data management • Engineering • Federated multi-database and mobile management • Query processing and optimization • Rapid application development tools • Spatial data management, user interfaces	1

23	Journal of Supercomputing (9) (+)	• All aspects of Supercomputing
		  • Theoretical, practical, tutorial and survey
		  • Architecture and systems
		  • Algorithms
		  • Languages and programs
		  • Performance measures and methods
		  • Applications
		• Tutorial and survey papers employing advanced computer systems
		• Letters to the editor in areas relating to policy, succinct statements of paradoxes, intuitively puzzling results, partial results and real needs
		• Theoretical and practical papers describing new developments and new ideas
			1

24	Journal of Grid Computing	• Emerging technology that enables large-scale resource sharing problem solving within	1

JID	Journal Name	Aims and Scopes	xID
		distributed, loosely coordinated groups sometimes termed "virtual organizations" • Protocols • Middleware • Services • Security • Discovery • Sharing • Scaling • Advanced technologies for collaborative work, information sharing and problem solving.	
25	Journal of Information Technology (0)	• New research addressing technology and the management of IT including • Strategy • Change • Infrastructure • Human resources • Sourcing • System development and implementation • Communications (?) • Technology developments • Technology futures • National policies • Standards • Advance understanding and application of research approaches and methods • All disciplinary, theoretical and methodological perspectives • Current experience and future prospects in relation to contemporary information and communications technology	1
26	IEEE Transactions on Network and Service Management (3)	• The state-of-the-art and practical applications of network and service management • Theoretical research contributions (presenting new concepts and techniques) • Applied contributions (reporting on experiences and experiments with actual systems) • Key technical issues related to • Management Models, Architectures and Frameworks • Service Provisioning, Reliability and Quality Assurance • Management Functions • Enabling Technologies • Information and Communication Models • Policies • Applications and Case Studies • Emerging Technologies and Standards	1
27	Nature Physics	• All areas of physics, pure and applied • Quantum physics • Atomic and molecular physics • Statistical physics, thermodynamics and nonlinear dynamics • Condensed-matter physics • Fluid dynamics • Optical physics • Chemical physics • Information theory and computation	1
28	IEEE Transactions on Industrial Informatics (31)	• Radical shifts in industrial structures with capabilities in networks and mastering • New hybrid technologies • Development of new processes and devices and flexible and intelligent manufacturing systems • Tools for the control of complex distributed production systems • Realization of an ambient intelligence landscape at industrial level	1

JID	Journal Name	Aims and Scopes	xID
		• Flexible, collaborative factory automation • Distributed industrial control and computing paradigms • Internet-based monitoring and control systems • Real-time control software for industrial processes • Java and Jini in industrial environments • Control of wireless sensors and actuators • Systems interoperability and human machine interface	
29	IEEE Transactions on Vehicular Technology (##)	• Communications • The use of mobile radio on land, sea, and air, including • Cellular radio, two-way radio, and one-way radio • Applications to dispatch and control vehicles • Mobile radiotelephone • Radio paging • Status monitoring and reporting • Spectrum usage • Component radio equipment such as cavities and antennas • Compute control for radio systems • Digital modulation and transmission techniques • Mobile radio circuit design • Radio propagation for vehicular communications • Effects of ignition noise and radio frequency interference • Consideration of the vehicle as part of the radio operating environment • Transportation Systems • The use of electronic technology for the control of ground transportation systems including • Traffic aid systems • Traffic control systems • Automatic vehicle identification, location, and monitoring systems • Automated transport systems, with single and multiple vehicle control • Moving walkways or people-movers • Vehicular Electronics • The use of electronic or electrical components and systems for control, propulsion, or auxiliary functions including • Electronic controls for engineer, drive train, convenience, safety, and other vehicle systems • Sensors, actuators, and microprocessors for onboard use • Electronic fuel control systems • Vehicle electrical components and systems collision avoidance systems • Electromagnetic compatibility in the vehicle environment • Electric vehicles and controls • vehicular technologies (conceptual, theoretical, or experimental) • Novel applications or tutorial summaries of the state of the art in engineering technology • Correspondence presenting short original contributions • Posing critical implementation problems • Discussing experiences using published results • Reporting on successful and unsuccessful applications of engineering and technology concepts and methodologies	1
30	IEEE Wireless Communications Magazine (8)	• Communications and networking communities • Technical and policy issues relating to personalized, location-independent communications in all media (and combinations of media), and at all protocol layers • Wired and wireless communications • Computing • The mobility of people • Communicating devices	1

JID	Journal Name	Aims and Scopes	xID
		• Personal services • Revolutionary technological advances in personal, location-independent communications and computing	
31	Computer Communications	• Emerging technologies for next generation network • LAN/WAN/MAN • Future Internet architecture, protocols and services • Content- and service-centric architecture • Mobile and ubiquitous networks • Self organizing/autonomic networking • Green networking • Internet content search • QoS and multimedia networking • Opportunistic networking • On-line social networks • Internet of things • Public safety communication networks • Network applications (web, multimedia streaming, VoIP, gaming, etc.) • Trust, security and privacy in computer and communication networks • Modeling, measurement and simulation • Complex network models • Internet socio-economic models • Experimental test-beds and research platforms • Algorithmic aspects of communication networks • Network scaling and limits	1

32	IEEE Internet Computing (10)	• Internet-based computer applications and enabling technologies
		  • Internet services using WWW, agents, and similar technologies
		• Agent-bases Internet Computing on technologies and applications
		• Reviewed articles and lively departments that emphasize current practice, case studies, and real-world solutions
		• Hardware that permits faster execution of a specific Web technology, such as Java chips, would
		• Thing that not covered
		  • Network software and hardware
		  • Intelligent systems
		  • Traditional software concerns
		  • Object-oriented programming
		  • Structured programming
		  • Common Object Request Broker Architecture (CORBA)
		• Object Linking and Embedding (OLE) standards
			1

33	IEEE Transactions on Mobile Computing (3)	• Architectures
		  • Mobile networks and hosts
		  • Agents and proxies
		  • Mobility management, mobile agent and proxy architectures Integrated wireline and wireless systems
		  • Planning and standardization
		• Support Services
		  • Mobility and roaming
		  • Nomadic computing
		  • Multimedia Operating system support
		  • Power management.
		• Algorithm/Protocol Design and Analysis
		  • Online and mobile environments
		  • Limited bandwidth
			1

JID	Journal Name	Aims and Scopes	xID

		• Intermittent connectivity
		• Mobile Environments
		  • Data and knowledge management
		  • Performance modeling and characterization
		  • Security
		  • scalability and reliability,
		  • Design, management and operation
		  • Systems and technologies
		• Mobile Communication Systems
		  • Wireless, cellular and spread-spectrum systems
		  • Multi-user and multi-access techniques and algorithms
		  • Multi-channel processing
		  • Channel coding
		  • Data coding and compression
		• Applications
		  • Location-dependent and sensitive
		  • Nomadic computing
		  • Wearable computers and body area networks
		  • Multimedia applications and multimedia signal processing
		  • Pervasive computing, Wireless sensor networks
		• Emerging Technologies.	

34	IEEE Communications Letters (6)	• The state-of-the-art of communication over different media and channels including • Wire, underground, waveguide, optical fiber, and storage channels • Theoretical contributions (including new techniques, concepts, and analyses) • Practical contributions (including system experiments and prototypes, and new applications) are encouraged • Focuses on the physical layer and the link layer of communication systems	1

35	IEEE Transactions on Services Computing (5)	• The algorithmic, mathematical, statistical and computational methods that are central in services computing
		  • The emerging field of Service Oriented Architecture
		  • Web Services
		  • Business Process Integration
		  • Solution Performance Management
		  • Services Operations and Management
			1

36	IEEE Transactions on Parallel and Distributed Systems (2)	• Models of computation
		  • Numerical, combinatorial and data-intensive parallel algorithms
		  • Scalability of algorithms
		  • Data structures for parallel and distributed systems
		  • Communication and synchronization protocols
		  • Network algorithms
		  • Scheduling
		  • Load balancing
		• Applications of parallel and distributed computing
		  • Computational and data-enabled science and engineering
		  • Big data applications
		  • Parallel crowd sourcing
		  • Large-scale social network analysis
		  • Management of big data
		  • Cloud and grid computing
		  • Scientific and biomedical applications
		  • Mobile computing
		  • Cyber-physical systems
			1

JID	Journal Name	Aims and Scopes	xID

		• Parallel and distributed architectures
		  • Architectures for instruction-level and thread-level parallelism
		  • Design, analysis, implementation, fault resilience and performance measurements of multiple-processor systems
		  • Multicore processors, heterogeneous many-core systems
		  • Petascale and exascale systems designs
		  • Novel big data architectures
		  • Special purpose architectures, including graphics processors, signal processors, network processors, media accelerators, and other special purpose processors and accelerators
		  • Impact of technology on architecture
		  • Network and interconnect architectures
		  • Parallel I/O and storage systems
		  • Architecture of the memory hierarchy
		  • Power-efficient and green computing architectures
		  • Dependable architectures
		  • Performance modeling and evaluation
		• Parallel and distributed software
		  • Parallel and multicore programming languages and compilers
		  • Runtime systems
		  • Operating systems
		  • Internet computing and web services
		• Resource management including
		  • Green computing
		  • Middleware for grids
		  • Clouds
		  • Data centers
		  • Libraries
		  • Performance modeling and evaluation
		  • Parallel programming paradigms
		  • Programming environments and tools	

37	IEEE Transactions on Industrial Electronics	• Applications of electronics, controls and communications
		• Instrumentation and computational intelligence for the enhancement of industrial and manufacturing systems and processes
		• Power electronics and drive control techniques
		• System control and signal processing
		• Fault detection and diagnosis
		• Power systems
		• Instrumentation
		• Measurement and testing, modeling and simulation
		• Motion control, robotics, sensors and actuators
		• Implementation of neural nets, fuzzy logic, and artificial intelligence in
		  • Industrial systems
		  • Factory automation
		  • Communication
		  • Computer networks
			1

38	Mobile Networks and Applications	• Emerging symbiosis of portable computers and wireless networks
		• Addressing The convergence of mobility
		• Computing and information organization
		• Access and management
		• Various areas of nomadic computing
		  • Data management
		  • related software and hardware technologies
		  • Mobile user services
			1

JID	Journal Name	Aims and Scopes	xID
		• Alongside more 'classical' topics in wireless and mobile networking	
39	ACM Transactions on Internet Technology (TOIT)	• Publishes original research papers in all areas of • Network and web systems • Digital public policy • Other technically oriented issues on the design, use and services of the Internet	1

40	Proceedings of the IEEE (0)	• Reviews
		  • Technology, tracing its progress from its inception to the present and perhaps into the future
		• Surveys
		  • Surveys comprehensively view a technology, its applications, issues, ramifications, and potential
		• Tutorial
		  • Tutorial papers explain a technology and may give practical information for implementing it
		  • These papers are written for the purpose of informing non-specialist engineers about a particular technology
			1

41	Computer Networks (46)	• Communication Network Architectures
		  • New design contributions on Local Area Networks (LANs), Metropolitan Area Networks (MANs), Wide Area Networks (WANs) including Wired, Wireless, Mobile, Cellular, Sensor, Optical, IP, ATM, and other related network technologies
		  • New switching technologies and the integration of various networking paradigms
		• Communication Network Protocols
		  • New design contributions on all protocol layers except the Physical Layer
		  • Considering all types of networks mentioned above and their performance evaluation
		  • Novel protocols, methods and algorithms related to, e.g., medium access control, error control, routing, resource discovery, multicasting, congestion and flow control, scheduling, multimedia quality of service, as well as protocol specification, testing and verification.
		• Network Services and Applications
		  • Web, Web caching, Web performance, Middleware and operating system support for all types of networking, electronic commerce, quality of service, new adaptive applications, and multimedia services
		• Network Security and Privacy
		  • Security protocols, authentication, denial of service, anonymity, smartcards, intrusion detection, key management, viruses and other malicious codes, information flow, data integrity, mobile code and agent security.
		• Network Operation and Management
		  • Including network pricing, network system software, quality of service, signaling protocols, mobility management, power management and power control algorithms, network planning, network dimensioning, network reliability, network performance measurements, network modeling and analysis, and overall system management.
		• Discrete Algorithms and Discrete Modeling
		  • Algorithmic and discrete aspects in the context of computer networking
		  • Mobile and wireless computing and communications
		  • Fostering cooperation among practitioners and theoreticians
			1

42	IEEE Security and Privacy	• Usable security • The Internet of Things • Cloud computing • Cryptography • Big data • Software, hardware, network, and systems security • Privacy-enhancing technologies • Data analytics for security and privacy • Wireless/mobile and embedded security	1

JID	Journal Name	Aims and Scopes	xID
		• Security foundations • Security economics • Privacy policies • Integrated design methods • Sociotechnical aspects • Critical infrastructure	
43	ACM Computing Surveys (CSUR)	• Publishing surveys, tutorials, and symposia on special topics of interest to the membership of ACM • Integrating and adding understanding to the existing literatur	1
44	Science	• The scientific news, commentary, and cutting-edge research • Papers that are most influential in their fields or across fields • Papers that will significantly advance scientific understanding • Novel and broadly important data, syntheses, or concepts • All fields of science and from any source	1

45	Computer Standards and Interfaces (8)	• Standards, Information Management, Formal Methods
		  • Computers, Processors, Storage, Operating systems, Languages, Databases, Graphics, User interface, Multimedia, Information security, Office automation, Development of standards and instruments, Applications
		• Software Quality, Software Process
		  • Languages, Operating systems, Programming, Requirements specification, Design and implementation, Inspection and test, Maintenance, Product and process evaluation, Performance, Tools, Metrics, Embedded systems, Software in measurement and technical systems including real-time aspects, Development of International Standards in Software Engineering
		• Distributed Systems, Open Systems, E-Topics
		  • Digital interfaces, System and device buses, Fieldbuses, Data communication, Distributed computing, Protocols, Open systems interconnection, Local and wide area networks, Internet, Worldwide Web, Network security, Cryptology, E-services, E-business, E-commerce
		• Data Acquisition
		  • Analog-to-digital conversion, Specification, Modelling, Industrial electronics, Real-time systems, Laboratory automation, Automatic measurement, Process control, Electromagnetic compatibility
		• Digital Instruments Standardisation
		  • Forum of EUPAS, European Project for ADC-based devices, Standardisation (IMEKO TC-4 Working Group on A/D and D/A Converter Metrology), IEEE TC-10, IEC TC-42-WG8, IEC TC-85-WG16
		  • Standard-sation of specifications, modelling, testing, and analog and digital processing for digital instruments
			1

46	EURASIP Journal on Wireless Communications and Networking (EURASIP JWCN) (17)	• Science and applications of wireless communications and networking technologies with emphasis on signal processing techniques and tools • Growth and new challenges in wireless technology, for both application development and basic research • Theory and/or applications of wireless communications and networking • Review articles, especially those emphasizing multidisciplinary views of communications and networking	1
47	IEEE Software (2)	• Geographically distributed development • Software architectures • Program and system debugging and testing • The education of software professionals • Requirements, design, development, testing, and management methodologies • Performance measurement and evaluation • Standards	1

JID	Journal Name	Aims and Scopes	xID
		• Program and system reliability, security, and verification • Programming environments • Languages and language-related issues • Web-based development • Usability • Software-related social and legal issues	

48	Security and Communication Networks	• All security areas including
		  • Network security
		  • Cryptography
		  • Cyber security
		• Security protocols, approaches and techniques applied to all types of information
		• Communication networks including
		  • Wired
		  • Wireless
		  • optical transmission platforms
		• Next generation communications technologies for security implementations in all network layers
			1

49	Computer Science and Information Systems	• New insights into design and implementation of software and information systems
		  • Theoretical foundations of computer science
		  • Commercial, industrial, or educational aspects
		• Surveys papers in emerging and important fields of computer science
		• Specific topics in all areas of computer science and information systems
			1

50	International Journal of Distributed Sensor Networks (IJDSN)	• Architecture, Algorithms and Complexity Issues • Sensor Network Tasking and Self-Organization • Information Fusion Methods and Architectures for Sensor Networks • Detection/Classification Methods • Disributed Sensor Networks - Networking / Caching Issues • Managing Resource Constraints • In-Network Query Processing and Data Storage • Learning Patterns from Sensor Sources • Localization and Synchronization in Sensor Networks • Protocols and Communication Systems for Sensor Networks • Efficient Device-to-Cloud Integration for Scalable Sensor and Actuator Networks • Edge Computing for Scalable Sensor and Actuator Networks • Mobility and Task Coordination • Cooperative Signal Algorithms for Sensor Networks • Performance Evaluation of Sensor Networks • Theoretical Bounds and Optimization of Sensor Networks • Underwater and Underground Sensor Networks • Applications in Industry 4.0, Biology, Manufacturing, Medical Science, and Engineering • Sensor Networks for Internet of Things (IoT) • Practical implementations in agriculture, forest and rural areas. • Energy harvesting (charging/consumption models, tailored lightweight protocols etc.)	1
51	Journal of Parallel and Distributed Computing	• Theory of parallel/distributed computing • Parallel algorithms and their implementation • Innovative computer architectures • Shared-memory multiprocessors • Peer-to-peer systems • Distributed sensor networks • Pervasive computing • Optical computing • Software tools and environments	1

JID	Journal Name	Aims and Scopes	xID
		• Languages, compilers, and operating systems • Fault-tolerant computing • Applications and performance analysis • Bioinformatics • Cyber trust and security • Parallel programming • Grid computing	
52	Communications of the ACM (CACM)	• Computing and information technology fields • Emerging areas of computer science, new trends in information technology, and practical applications	1
53	ACM Transactions on Programming Languages and Systems (TOPLAS)	• Language design for sequential and parallel programming • Programming Language Implementation • Programming Language Semantics • Compilers and Interpreters • Runtime Systems for Program Execution • Storage Allocation and Garbage Collection • Languages and Methods for Writing Program Specifications • Languages and Methods for Secure and Reliable Programs • Testing and Verification of Programs	1
54	The Journal of systems and software	• Methods and tools for empirical studies on software requirements, design, architecture, verification and validation, maintenance and evolution • Agile, model-driven, service-oriented, open source and global software development • Approaches for mobile, multiprocessing, real-time, distributed, cloud-based, dependable and virtualized systems • Human factors and management concerns of software development • Data management and big data issues of software systems • Metrics and evaluation, data mining of software development resources • Business and economic aspects of software development processes	1

55	Annals of Telecommunications (51)	• Essential branches of modern telecommunications
		  • Digital communications
		  • Communication networks
		  • The internet
		  • Software
		  • Protocols
		  • Services
		  • Economics
		• Telecommunications of the underlying technologies in computers
		• Communications
		• Content management towards the emergence of the information and knowledge society
			1

56	IEEE Signal Processing Magazine	• Tutorial-style articles on signal processing research and applications • Ranges from fundamental principles to practical implementation • Bring up-to-date, emerging and active technical developments, issues, and events to the research, educational, and professional communities	1
57	Nature (+)	• The finest peer-reviewed research in all fields of science and technology on the basis of its originality, importance, interdisciplinary interest, timeliness, accessibility, elegance and surprising conclusions	1
58	Journal of Machine Learning Research	• New principled algorithms with sound empirical validation, and with justification of theoretical, psychological, or biological nature • Experimental and/or theoretical studies yielding new insight into the design and behavior of learning in intelligent systems • Accounts of applications of existing techniques that shed light on the strengths and	1

JID	Journal Name	Aims and Scopes	xID
		weaknesses of the methods • Formalization of new learning tasks (e.g., in the context of new applications) and of methods for assessing performance on those tasks • Development of new analytical frameworks that advance theoretical studies of practical learning methods • Computational models of data from natural learning systems at the behavioral or neural level • Extremely well-written surveys of existing work	
59	Ad Hoc Networks (26)	• Mobile and Wireless Ad Hoc Networks • Sensor Networks • Wireless Local and Personal Area Networks • Home Networks • Ad Hoc Networks of Autonomous Intelligent Systems • Novel Architectures for Ad Hoc and Sensor Networks • Self-organizing Network Architectures and Protocols • Transport Layer Protocols • Routing protocols (unicast, multicast, geocast, etc.) • Media Access Control Techniques • Error Control Schemes • Power-Aware, Low-Power and Energy-Efficient Designs • Synchronization and Scheduling Issues • Mobility Management • Mobility-Tolerant Communication Protocols • Location Tracking and Location-based Services • Resource and Information Management • Security and Fault-Tolerance Issues • Hardware and Software Platforms, Systems, and Testbeds • Experimental and Prototype Results • Quality-of-Service Issues • Cross-Layer Interactions • Scalability Issues • Performance Analysis and Simulation of Protocols	1

60	Mobile Information Systems	• Theory and/or application of new ideas and concepts in the field of mobile information systems
		• Review articles
		  • Examine the state-of-the-art in Mobile Information Systems
		  • Identify emerging trends and suggest future directions for developing fields
			1

61	IEEE/ACM Transactions on Networking (Edge:124)	• Theoretical or experimental exploration of the area of communication/computer networking
		• Information transport networks over all sorts of physical layer technologies
		  • wireline (all kinds of guided media: e.g., copper, optical)
		  • wireless (e.g., radio-frequency, acoustic (e.g., underwater), infra-red)
		  • Hybrids of these
		• Novel experiences and experiments with actual systems
		• Network types
		  • networks-on-a-chip
		  • high-speed intra-system interconnection networks
		  • Backbone and access telecom networks
		  • Logical and overlay networks
		  • Cellular mobile telecom networks
		  • Wireless local area networks, ad hoc and mesh wireless networks
		  • Inter-vehicular networks
		  • Delay/disruption-tolerant networks
		• Networking aspects
			1

JID	Journal Name	Aims and Scopes	xID
		• Architecture and design (including algorithms for network resource allocation, traffic engineering, modeling and performance analysis) • Protocols (including formal methods for the verification, testing, and conversion of communication protocols) • Network software (including software architecture and applications such as directory services, call processing, and signaling) • Network hardware (including novel hardware architectures, novel network devices, and their usage), • Operations and management (including network planning and evolution reliability, and survivability) • Measurements (including insights gained from operational networks and network tomography) • Security (including network intrusion detection and control of the spread of malicious software) • Application domains • Telephony (circuit and packet, voice and video), • All applications traditionally associated with worldwide packet networks (file transfer, e-mail, World Wide Web, streaming video, etc.) • Storage and data-centers • Peer-to-peer file sharing • Online social networks • Cyber-physical systems (including distributed sensing, function computation over networks, and control over networks) • Interfaces with networks in other domains • Information dissemination and related distributed systems aspects of social networks • Bologically or nature-inspired techniques for communication networks	
62	Journal of Lightwave Technology	• All aspects of optical guided-wave science, technology, and engineering • Tutorial and review papers are by invitation only • Fiber and cable technologies • Active and passive guided-wave componentry (light sources, detectors, repeaters, switches, fiber sensors, etc.) • Integrated optics and optoelectronics • Systems, subsystems, new applications and unique field trials	1
63	Telecommunications Systems: Modelling, Analysis, Design and Management	• Examine the use of analytic and quantitative tools for the modeling, analysis, design, and management of telecommunication systems • Performance evaluation of wide area and local networks • Fiber optics and photonic switching • DSL, ADSL, cable TV and their impact • Distributed group decision support systems • Cost benefit analysis and economic impact of telecommunication systems • Standardization and regulatory issues • Cellular, mobile, and satellite-based systems	1
64	Software: Practice and Experience	• Practical experience with new and established software for both systems and applications • Design and implementation of software at all levels, from a useful programming technique all the way up to a large-scale software system • New techniques in software design and implementation • Well-known techniques for software design and implementation do not appear in the readily available literature • Provide detailed accounts of completed software-system projects which can serve as 'how-to-do-it' models for future work in the same field; • Present short reports on programming techniques that can be used in a wide variety of areas • Document new techniques and tools that aid in solving software construction problems • Explain methods/techniques that cope with the special demands of large-scale software	1

JID	Journal Name	Aims and Scopes	xID
		projects • Theoretical or mathematical content are included only in cases where an understanding of the theory will lead to better practical systems	
65	IEEE Transactions on Learning Technologies (0 In both)	• Covers all advances in learning technologies and their applications • Innovative online learning systems • Intelligent tutors • Educational games • Simulation systems for education and training • Collaborative learning tools • Learning with mobile devices • Wearable devices and interfaces for learning • Personalized and adaptive learning systems • Tools for formative and summative assessment • Tools for learning analytics and educational data mining • Ontologies for learning systems • Standards and web services that support learning • Authoring tools for learning materials • Computer support for peer tutoring • Learning via computer-mediated inquiry, field, and lab work • Social learning techniques • Social networks and infrastructures for learning and knowledge sharing • Creation and management of learning objects	1
66	IEEE Transactions on Circuits and Systems for Video Technology (TCSVT) (fog: 2)	• Covers the circuits and systems aspects of all video technologies • General, theoretical, and application-oriented papers with a circuits and systems perspective • Image/video acquisition, representation, presentation and display • Processing, filtering and transforms • Analysis and synthesis • Learning and understanding • Compression, transmission, communication and networking • Storage, retrieval, indexing and search • Hardware and software design and implementation	1

67	Simulation Modelling Practice and Theory	• Theoretical aspects of modelling and simulation including
		  • Formal modelling
		  • Model-checking
		  • Random number generators
		  • Sensitivity analysis
		  • Variance reduction techniques
		  • Experimental design
		  • Meta-modelling
		  • Methods and algorithms for validation and verification
		  • Selection and comparison procedures
		• Methodology and application of modelling and simulation in any area including
		  • Computer systems
		  • Networks
		  • Real-time and embedded systems
		  • Mobile and intelligent agents
		  • Manufacturing and transportation systems
		  • Management, engineering
		  • Biomedical engineering
		  • Economics, ecology and environment, education, transaction handling, etc
		• Simulation languages and environments including
		  • Specific to distributed computing
			1

JID	Journal Name	Aims and Scopes	xID
		• Grid computing • High performance computers or computer networks • Distributed and real-time simulation • Simulation interoperability • Tools for high performance computing simulation including • Dedicated architectures • Parallel computing	
68	International Small Business Journal (ISBJ)	• Small business and entrepreneurship. • Theoretical, empirical, policy and practitioner issues within the fields of small business and entrepreneurship • Theory, critical understanding and policy formulation on small firms	1
69	IT Professional Journal	• Practical aspects of emerging and leading-edge digital technologies • Original ideas and guidance for IT applications • Novel IT solutions for the enterprise	1
70	Journal of Intelligent Information Systems (JIIS)	• Foundations and principles of data, information, and knowledge models • Methodologies for IIS analysis, design, implementation, validation, maintenance and evolution • User models, intelligent and cooperative query languages and interfaces • Knowledge representation, integration, fusion, interchange and evolution • Intelligent information retrieval, digital libraries, and networked information retrieval • Distributed multimedia and hypermedia information space design, implementation and navigation • Visual interfaces, visual query languages, and visual expressiveness of IIS • Machine learning, knowledge discovery, and data mining • Uncertainty management and reasoning under uncertainty • Applications and case studies in novel applications (e.g., global change, scientific databases, Human Genome project, Earth Observing System, manufacturing, telemedicine, education, etc.)	1
71	Philosophical Transactions of The Royal Society: A Mathematical, Physical and Engineering Sciences	• Physical, mathematical and engineering sciences	1
72	Nucleic Acids Research (NAR)	• Chemistry and synthetic biology • Computational biology • Gene regulation, chromatin and epigenetics • Genome integrity, repair and replication • Genomics • Molecular biology • Nucleic acid enzymes • RNA and Structural biology	1
73	Genome Biology	• Publishes articles from the full spectrum of biology • Any aspect of molecular, cellular, organismal or population biology include • Genomic perspective • Genomics • Proteomics • Bioinformatics • Genomic methods (including structure prediction) • Computational biology • Sequence analysis (including large-scale and cross-genome analyses) • Comparative biology and evolution	1
74	Astronomy and Computing	• Scientific software engineering • Computational infrastructure	1

JID	Journal Name	Aims and Scopes	xID
		• Computational techniques used for astrophysical simulations • Visualization • Data management, archives, and virtual observatory • Data analysis, data mining and statistics • Data processing pipeline and automated systems • Semantics, data citation and data preservation	
75	IEEE Transactions on Intelligent Transportation Systems	• The theoretical, experimental and operational aspects of electrical and electronics engineering and Information technologies as applied to Intelligent Transportation Systems (ITS) • utilizing synergistic technologies and systems engineering concepts to develop and improve transportation systems of all kinds • The promotion, consolidation and coordination of ITS technical activities among IEEE entities • Providing a focus for cooperative activities, both internally and externally	1
76	Frontiers in Human Neuroscience Journal	• Advances human understanding of the brain mechanismssupporting cognitive and social behavior in humans, in both healthy and diseased states. • Mthods and the theoretical constructs available to study the human brain • Mechanisms of human behaviors in both health and disease in electrophysiological, neuroimaging, neuropsychological, psychophysical, neuropharmacological • Human neuroscience ranges from the cognitive domain, including areas such as memory, attention, language and perception to the social domain, with this last subject addressing topics such as interpersonal interactions, social discourse and emotional regulation. • Human research spanning all areas of human cognitive, social, developmental and translational neuroscience using any research approach. • Manuscripts reporting MRI data	1
77	IEEE Transactions on Knowledge and Data Engineering (1)	• Knowledge and data engineering aspects of knowledge-based and expert systems • Artificial Intelligence techniques relating to knowledge and data management • Knowledge and data engineering tools and techniques • Distributed knowledge-base and database processing • Real-time knowledge bases and databases • Architectures for knowledge and databased systems • Data management methodologies • Database design and modeling • Query, design, and implementation languages • Integrity, security, and fault tolerance • Distributed database control • Statistical databases • System integration and modeling of these systems • Algorithms for these systems • Performance evaluation of these algorithms • Data communications aspects of these systems • Applications of these systems	1
78	IEEE Design and Test	• Describing the models, methods, and tools used to design and test microelectronic systems from devices and circuits to complete systems-on-chip and embedded software • Semiconductor IC design • Semiconductor intellectual property blocks • Design, verification and test technology • Design for manufacturing and yield • Embedded software and systems • Low-power and energy-efficient design • Electronic design automation tools • Practical technology • Standards	1

JID	Journal Name	Aims and Scopes	xID
79	IEEE Technology and Society Magazine	• Health and safety implications of technology • Engineering ethics and professional responsibility • Engineering education in social implications of technology • History of electrotechnology • Technical expertise and public policy Social issues related to energy • Social issues related to information technology • Social issues related to telecommunications • Systems analysis in public policy decisions • Economic issues related to technology • Peace technology • Environmental implications of technology • Broad area of the social implications of technology, especially electrotechnology	1
80	Journal of Network and Systems Management	• Network and system management • New information on both the telecommunications and computing aspects of these fields, as well as their evolution and emerging integration • Architecture • Analysis • Design • Software • Standards • Migration issues related to the operation, management, and control of distributed systems and communication networks for voice, data, video, and networked computing	1

81	IEEE Transactions on Power Systems	• Power Engineering Education
		  • New instruction methods (software/internet/laboratory/combined with research)
		  • Virtual classrooms/laboratories
		  • Distance education
		  • Life-long learning
		• Power System Analysis, Computing, and Economics
		  • Computational techniques and analytical methods for planning, operations and control
		  • Computing applications
		  • Distribution system analysis
		  • Economics, market organization, cost structures, pricing and risk management
		  • Intelligent system applications
		  • Reliability, uncertainty and probability and stochastic system applications
		• Power System Dynamic Performance
		  • Power system dynamic modeling: components and systems
		  • Power system stability: phenomena, analysis, and techniques
		  • Power system stability controls: design and applications
		  • Power system dynamic measurements
		  • Power system interaction with turbine generators
		  • Dynamic security assessment: techniques and applications, risk-based methods
		• Power System Operations
		  • Emerging methods for restructured systems
		  • Transmission operations and security
		  • Energy control centers
		  • Distribution operation, System control
		  • Operating economics and pricing
		• Power System Planning & Implementation
		  • Generation system resource planning
		  • Transmission system planning
		  • Distribution system planning
		  • Integrated resource planning and distributed resource planning
		  • Load forecasting
			1

JID	Journal Name	Aims and Scopes	xID
		• Customer products and services planning and implementation • Industry restructuring planning and policy issue	

82	IEEE Transactions on Dependable and Secure Computing (TDSC)	• System Design
		  • Architecture for secure and fault-tolerant systems
		  • Trusted/survivable computing
		  • Intrusion and error tolerance, detection and recovery
		  • Fault- and intrusiontolerant middleware
		  • Firewall and network technologies
		  • System management and administration
		• Evaluation
		  • Modeling and prediction
		  • Survivability and performability modeling
		  • Solution techniques
		  • Experimental methods including
		  • Test-bed design
		  • Automated fault/attack generation
		  • Monitoring, measurement and analysis
		  • Workload characterization
		  • Benchmarking
		  • Quality of service assessment
		• Applications
		  • Transaction processing
		  • Distributed and pervasive systems
		  • Electronic commerce
		  • Real-time systems
		  • Safety-critical systems
		  • Embedded systems
		  • Internet applications
		• Software Design
		  • Operating system support for detection and recovery
		  • Selfchecking; fault tolerance techniques
		  • Network interfaces and protocols
		  • Testing, validation, verification; aging and rejuvenation
		  • Reliability and performance
		• Emerging Technologies
		  • Nanoscale computing
		  • Mobile computing
		  • Wireless telephony
		  • Satellite networks
		  • Data mining
		  • Wearable computers
		  • Multimedia applications
		  • Signal processing
		  • Quantum computing
			1

83	Vehicular Communications	• Vehicle to vehicle and vehicle to infrastructure communications • Channel modelling, modulating and coding • Congestion Control and scalability issues • Protocol design, testing and verification • Routing in vehicular networks • Security issues and countermeasures • Deployment and field testing • Reducing energy consumption and enhancing safety of vehicles • Wireless in–car networks	1

JID	Journal Name	Aims and Scopes	xID
		• Data collection and dissemination methods • Mobility and handover issues • Safety and driver assistance applications • Standardization of protocols	

84	The Journal of China University of Posts and Telecommunications (fog:1) (+)	• Publishes academic papers, research reports, surveys, research briefings, and degree theses in
		  • The field of communications and information systems
		  • Signal and information processing
		  • Computer software and computer theory
		  • Computer application technology
		  • Electromagnetism and microwave technology
		  • Microelectronics and solid electronics
		  • Control theory and control engineering
		  • Management science and engineering
		• Other related basic theories and technologies
			1

85	IEEE Transactions on Smart Grid	• Disseminating results of research on smart grid arises from or deliberately influences
		  • Energy generati
		  • Transmission
		  • Distribution
		  • Delivery
		• Theories and development on principles of smart grid technologies and systems
		• Design, implementation and evaluation of power systems in smart grid
		• Surveys of existing work on smart grid
		• Challenging perspective on the future of smart grid
			1

86	IBM Journal of Research and Development	• Science, technology and engineering of information systems	1
87	IEEE Transactions on Signal Processing	• Novel theory, algorithms, performance analyses and applications of techniques for the processing, understanding, learning, retrieval, mining, and extraction of information from signals • The term "signal" includes, among others, audio, video, speech, image, communication, geophysical, sonar, radar, medical and musical signals. • Information processing • The theory and application of filtering, coding, transmitting, estimating, detecting, analyzing, recognizing, synthesizing, recording, and reproducing signals	1

88	IEEE Transactions on Information Theory	• Theoretical and experimental papers concerned with the
		  • Transmission
		  • Processing
		  • Utilization of information
			1

89	EPJ Data Science	• Human behavior • Social interaction (including animal societies) • Economic and financial systems • Management and business networks • Socio-technical infrastructure • Health and environmental systems • The science of science • General risk • Crisis scenario forecasting up to and including policy advice	1
90	IET Communications	• Theory and practice of systems, networks and applications involving line, mobile radio, satellite and optical technologies for telecommunications, and Internet and multimedia communications • Applications of signal processing, equalisation, coding, error detection and error correction • Videotelephony, videoconferencing and multimedia communications	1

JID	Journal Name	Aims and Scopes	xID
		• Communications layers, Internet Protocols, Internet telephony and VoIP • Fading channel, mobile systems, services and applications • Indoor communications and WLAN • Superhighways, Interworking and broadband VPN	
91	Life Science Jounal	• The molecular, cellular, and functional basis of therapy • The understanding of mechanism that is relevant to all aspects of human disease and translation to patients • Modern scientific technologies that explain molecular, cellular and physiological mechanisms. • Articles that merely report observations are rarely accepted. • Reviews on topics of wide interest to investigators in the life sciences • Novel preclinical findings addressing questions of biological significance to human disease	1

92	International Journal of Ad Hoc and Ubiquitous Computing	• Hardware and architecture
		• Algorithm and protocol designs
		• Quality of service
		• Power-aware and energy-efficient designs
		• Middleware service
		• Physical interaction and human experience
		• Service, application, and system
		• Simulation, modelling, and analysis
		• Security, privacy, and trust
		• Emerging technologies
		• Ad Hoc Computing
		  • Addressing and location management
		  • Architectures, protocols, and algorithms
		  • Data management issues
		  • Distributed technology
		  • Network design and planning
		  • Power-aware and energy-efficient designs
		  • Quality of service
		  • Resource allocation
		  • Security and privacy
		  • Self-configuring and self-healing schemes
		  • Services and applications
		  • Traffic analysis and control
		  • Mobile ad hoc networking
		  • Wireless sensor network
		  • Mobile ad hoc learning
		• Ubiquitous Computing
		  • System support infrastructures and services
		  • Middleware services and agent technologies
		  • Architectural structure, design decisions and philosophies
		  • Interoperability and wide scale deployment
		  • Context and location awareness, context based and implicit computing
		  • User interfaces and interaction models
		  • Software infrastructures
		  • Service discovery mechanisms and protocols
		  • Intelligent devices and environments
		  • Wireless/mobile service management and delivery
		  • Wearable computers and technologies
		  • Personalised applications
			1

93	Peer-To-Peer Networking and	• P2P ad hoc and sensor networks	1

JID	Journal Name	Aims and Scopes	xID
	Applications Journal	• P2P application and services • P2P content access and distribution • P2P economics • P2P enabled technologies • P2P file sharing • P2P media streaming • P2P multicasting and multimedia delivery • P2P overlay networks • P2P security issues • P2P wireless and mobile networks • Architectures and protocols • Convergence/co-existence of P2P and other networks • Data and index structures • Modeling, performance and robustness • QoS • Replication and load-balancing strategies • Semantic routing and search	
94	Computers and Electrical Engineering Journal	Applications of high-performance computing and novel computing systems Internet-based, multimedia, and wireless networks and applications Communications, especially wireless Signal processing architectures, algorithms, and applications Green technologies in information, computing, and communication systems Multi-disciplinary areas, including robotics, embedded systems, and security	1
95	IEEE Journal of Biomedical and Health Informatics	• Biomedical and health informatics where information and communication technologies intersect with health, healthcare, life sciences and biomedicine • Theoretical analysis, methods, technical development, and/or novel clinical applications of information systems • Acquisition, transmission, storage, retrieval, management, processing and analysis of biomedical and health information • Applications of information and communication technologies in the practice of healthcare, public health, patient monitoring, preventive care, early diagnosis of diseases, discovery of new therapies, and patient specific treatment protocols leading to improved outcomes • The integration of electronic medical and health records, methods of longitudinal data analysis, data mining and discovery tools • Applications and their integration, such as clinical information systems, decision support systems, medical and biological imaging informatics, wearable systems, body area/sensor networks, informatics in biological and physiological systems, personalized and pervasive health technologies (u-, p-, m- and e-Health), telemedicine, home healthcare and wellness management • Topics related to integration include interoperability, protocol-based patient care, evidence-based medicine, and methods of secure patient data.	1

96	IEEE Journal of Selected Topics in Signal Processing (JSTSP)	• The theory and application of filtering, coding, transmitting, estimating, detecting, analyzing, recognizing, synthesizing, recording, and reproducing signals by digital or analog devices or techniques
		• The term “signal” includes audio, video, speech, image, communication, geophysical, sonar, radar, medical, musical, and other signals
		• Review issues on more mature signal processing
		• Explore new areas
		  • Those that are dependent upon signal processing (e.g., biomedical engineering; language)
		  • Those not traditionally part of the engineering landscape (e.g., genetics; security; atmospheric prediction)
			1

97	Performance Evaluation Journal	• Define new performance evaluation tools, including • Measurement	1

JID	Journal Name	Aims and Scopes	xID
		• Monitoring tools • Modeling • Analytic techniques • New insights into the performance of computing and communication systems • New application areas where performance evaluation tools can play an important role and creative new uses for performance evaluation tools • Resource allocation and control methods and algorithms (e.g. routing and flow control in networks, bandwidth allocation, processor scheduling, memory management) • System architecture, design and implementation • Cognitive radio • VANETs • Social networks and media • Energy efficient ICT • Energy harvesting • Data centers • Data centric networks • System reliability • System tuning and capacity planning • Wireless and sensor networks • Autonomic and self-organizing systems • Embedded systems • Network science • Queueing theory • Scheduling theory • Simulation methods • data analysis • Measurement techniques (e.g. software and hardware monitors) and workload characterization • Stochastic geometry • Large deviations • Mean-field theory • Game theory and equilibrium analysis	
98	Journal of Ambient Intelligence and Humanized Computing	• Pervasive/Ubiquitous Computing and Applications • Cognitive wireless sensor network • Embedded Systems and Software • Mobile Computing and Wireless Communications • Next Generation Multimedia Systems • Security, Privacy and Trust • Service and Semantic Computing • Advanced Networking Architectures • Dependable, Reliable and Autonomic Computing • Embedded Smart Agents • Context awareness, social sensing and inference • Multi modal interaction design • Ergonomics and product prototyping • Intelligent and self-organizing transportation networks & services • Healthcare Systems • Virtual Humans & Virtual Worlds • Wearables sensors and actuators	1
99	EURASIP Journal on Wireless Communications and Networking (EURASIP JWCN)	• The Science and applications of wireless communications and networking technologies with emphasis on signal processing techniques and tools • The continued growth and new challenges in wireless technology, for both application development and basic research.	1

JID	Journal Name	Aims and Scopes	xID
		• Theory and/or applications of wireless communications and networking • Review articles, especially those emphasizing multidisciplinary views of communications and networking	
100	IEEE Security Privacy Journal	• Stimulate and track advances in security, privacy, and dependability • Practical and research in the field of security and privacy • Case studies, surveys, tutorials, columns, and in-depth interviews and podcasts for the information security industry • Usable security • The internet of things • Cloud computing • Cryptography • Big data • Software, hardware, network, and systems security • Privacy-enhancing technologies • Data analytics for security and privacy • Wireless/mobile and embedded security • Security foundations, security economics • Privacy policies, integrated design methods • Sociotechnical aspects • Critical infrastructure	1

101	IEEE Transactions on Microwave Theory and Techniques	• Engineering and theory associated with
		  • Microwave/millimeter-wave components
		  • Devices, circuits, and systems involving the generation, modulation, demodulation, control, transmission
		  • Detection of microwave signals
		• Scientific, technical, and industrial, activities
		  • Microwave theory and techniques relates to electromagnetic waves usually in the frequency region between a few MHz and a THz
		  • Other spectral regions and wave types are included within the scope of the Society whenever basic microwave theory and techniques can yield useful results
		  • theory of wave propagation in structures with dimensions comparable to a wavelength, and in the related techniques for analysis and design.
			1

102	Computers and Operations Research Journal (COR)	• Many scientific fields of vital importance to our society
		  • Among others, transportation, economics, investment strategy, inventory control, logistics, safety, reliability, urban planning, and ecology
		• Optimization methodology and application for determining viable solutions to problems, using computers and the techniques of operations research
		• (Meta)heuristics (other than well-established algorithms such as evolutionary algorithms or ant colony optimization) must be described in metaphor-free language.
		• State-of-the-art surveys and best practice guides in analytics, operations research, and management science
		  • Theory or applications of OR/MS
		  • Results that are considered standards by experts in the community but which have not been documented in textbooks
		  • Standard results which have been, in some way, streamlined such as, for example, new proof techniques leading to more elegant derivations of known results
		  • New developments in methodology, or new application areas ('hot topics')
		  • Focused issues on topics of interest related to its editorial mission
			1

103	Journal of Communications and Networks	• The state-of-the-art and practical applications of communications and information networks
		  • Theoretical research contributions presenting new techniques, concepts, or analyses
		  • Applied contributions reporting on experiences and experiments
		  • Tutorial expositions of permanent reference value are welcome
		• All topics in communication theory and techniques
			1

JID	Journal Name	Aims and Scopes	xID
		• Communication systems • Information networks	
104	Physical Communication Journal	• Physical layer issues of Wireless Local Area Networks, WiMAX, Wireless Mesh Networks, Sensor and Ad Hoc Networks, PCS Systems • Radio access protocols and algorithms for the physical layer • Spread Spectrum Communications • Channel Modeling; Detection and Estimation • Modulation and Coding • Multiplexing and Carrier Techniques • Broadband Wireless Communications • Wireless Personal Communications • Multi-user Detection • Signal Separation and Interference rejection • Multimedia Communications over Wireless • DSP Applications to Wireless Systems • Experimental and Prototype Results • Multiple Access Techniquesa • Space-time Processing • Synchronization Techniques • Error Control Techniques; Cryptography • Software Radios • Tracking • Resource Allocation and Inference Management • Multi-rate and Multi-carrier Communications • Cross layer Design and Optimization • Propagation and Channel Characterization; OFDM Systems; MIMO Systems • Ultra-Wideband Communications • Cognitive Radio System Architectures • Platforms and Hardware Implementations for the Support of Cognitive, Radio Systems • Cognitive Radio Resource Management and Dynamic Spectrum Sharing	1
105	IEEE Transactions on Multimedia	• Various aspects of research in multimedia technology • Applications of multimedia • Circuits, networking, signal processing, systems, software, and systems integration	1
106	Canadian Journal of Electrical and Computer Engineering (CJECE)	• All areas of electrical and computer engineering	1
107	Engineering Applications of Artificial Intelligence Journal	• Real-time intelligent automation, and their associated supporting methodologies and techniques, including control theory and industrial informatics • Architectures, algorithms and techniques for distributed AI systems, including multi-agent - based control and holonic control • Decision-support systems • Aspects of reasoning • Abductive, case-based, model-based, non-monotonic, incomplete progressive and approximate reasoning • Applications of chaos theory and fractals • Metaheuristics and their applications in intelligent automation and global optimization • Evolutionary Algorithms, swarm intelligence, nature and biologically inspired metaheuristics, etc • Knowledge processing, knowledge elicitation and acquisition, knowledge representation, knowledge compaction, knowledge bases, expert systems • Neural networks, fuzzy systems, neuro-fuzzy systems • Deep learning and real-world applications • Perception, e.g. image processing, pattern recognition, vision systems, tactile systems, speech	1

JID	Journal Name	Aims and Scopes	xID
		recognition and synthesis • Aspects of software engineering, e.g. intelligent programming environments, verification and validation of AI-based software, software and hardware architectures for the real-time use of AI techniques, safety and reliability • Intelligent fault detection, fault analysis, diagnostics and monitoring • Self-organizing, emerging or bio-inspired system • Big data analytics, Understanding complex networks, Internet-of-things and cyber-physical systems, Intelligent transportation systems & smart vehicles • Industrial experiences in the application of the above techniques, e.g. case studies or benchmarking exercises	
108	IEEE Sensors Journal	• Theory, design, fabrication, manufacturing and application of devices for sensing and transducing physical, chemical, and biological phenomena, with emphasis on the electronics and physics aspects of sensors and integrated sensor-actuator • Sensor technologies spanned by the IEEE • Emerging sensor technologies	1
109	Robotica Journal	• Activities in hostile environments • Applications in the service and manufacturing industries • Biological robotics • Dynamics and kinematics involved in robot design and uses • Online robots • Robot task planning • Rehabilitation robotics • Sensory perception • Software in the widest sense • Particularly in respect of programming languages and links with CAD/CAM systems telerobotics and various other areas • Various Artificial Intelligence topics of theoretical and practical interest • Emphasis on sound theory and realistic applications of robotics and AI	1
110	Annals of Mathematics and Artificial Intelligence	• Quantitative, combinatorial, logical, algebraic and algorithmic methods to diverse areas of Artificial Intelligence • Decision support • Automated deduction • Reasoning • To knowledge-based systems • Machine learning • Computer vision • Robotics • Planning	1
111	IEICE Transactions on Communications	• Fundamental Theories for Communications • Fiber-Optic Communications • Networking • Antennas and Propagation • Wireless Communications, and so on	1
112	Journal of Economic Perspectives	• To synthesize and integrate lessons learned from active lines of economic research • To provide economic analysis of public policy issues • To encourage cross-fertilization of ideas among the fields of thinking • To offer readers an accessible source for state-of-the-art economic thinking • To suggest directions for future research • To provide insights and readings for classroom use • To address issues relating to the economics profession	1
113	Pervasive and Mobile Computing	• Pervasive/Ubiquitous computing and communications architectures and protocols • Autonomic computing and communications	1

JID	Journal Name	Aims and Scopes	xID
		• Mobile computing systems and services • Ambient, invisible, implicit, and adaptive computing • Mobile grid and peer-to-peer computing • Algorithmic paradigms, models and analysis of pervasive computing systems • Smart spaces and intelligent environments • Enabling technologies (e.g., Bluetooth, BANs, PANs, 802.11 wireless LANs) • Embedded systems and wearable computers • Wireless sensors networks and RFID technologies • Virtual immersion communications • Multiple inter-connected networking technologies (e.g., cellular, ad hoc, hybrid) • Positioning and tracking technologies • Auto-configuration and authentication • Context-aware computing and location-based services and applications • Service creation, discovery, management, and delivery mechanisms • Middleware and agent technologies • Application layer protocols and services • Programming paradigms for pervasive and ubiquitous computing applications • User interfaces and interaction models • Runtime support for intelligent, adaptive agents • (Innovative) applications requirements, performance, and benchmarking • Security, privacy, fault-tolerance and resiliency issues.	
114	IEEE Computer	• Peer-reviewed articles representing the full spectrum of computing and information technology, from hardware to software and from emerging research to new applications • Seeks to deliver useful information for all computing professionals and students, including computer scientists, engineers, and practitioners of all levels	1
175	IEEE Computer Graphics and Applications	• From specific algorithms to full system implementations	2
176	International Journal of Computer Vision	• Mathematical, physical and computational aspects of computer vision: image formation, processing, analysis, and interpretation • Machine learning techniques • Statistical approaches • Sensors • Applications: image-based rendering, computer graphics, robotics, photo interpretation, image retrieval, video analysis and annotation, multi-media, and more • Connections with human perception: computational and architectural aspects of human vision • The journal also features book reviews, position papers, editorials by leading scientific figures, as well as additional on-line material, such as still images, video sequences, data sets, and software	1
177	IEEE Transactions on Visualization and Computer Graphics	• Rendering technologies • Geometric modeling and processing • Shape analysis; graphics hardware • Animation and simulation • Perception, interaction and user interfaces • Haptics • Computational photography • High-dynamic range imaging and display • User studies and evaluation • Biomedical visualization; volume visualization and graphics • Visual analytics for machine learning • Topology-based visualization • Visual programming and software visualization	1

JID	Journal Name	Aims and Scopes	xID
		• Visualization in data science • virtual reality, augmented reality and mixed reality • Advanced display technology, (e.g., 3d, immersive and multi-modal displays) • Applications of computer graphics and visualization.	
178	IEICE Transactions on Information and Systems	• Computer Science • Artificial Intelligence • Computer Vision and Pattern Recognition • Hardware and Architecture • Software	2
179	Bulletin of The American Mathematical Society	• Expository articles on contemporary mathematical research • Written in a way that gives insight to mathematicians who may not be experts in the particular topic	1
180	Journal of Power Sources	• Original research and reviews about the science and applications of primary and secondary batteries, fuel cells, supercapacitors and photo-electrochemical cells. • Portable electronics • Electric and Hybrid Electric Vehicles • Uninterruptible Power Supply (UPS) systems • Storage of renewable energy • Satellites and deep space probes • Boats and ships, drones and aircrafts • Wearable energy storage systems	1
181	Digital Investigation	• Research and development • Cyber-criminal investigation • Cyber-risk management • Case Notes • Scientific practices • Effective practices • Survey papers • Application analysis • Tool reviews • Future challenges • Registered reports • Legal analysis and updates • Evidence accessibility	5
182	Canadian Medical Association Journal	•	1
183	ACM Transactions on Software Engineering and Methodology	• Requirements engineering: acquisition, modelling, specification, analysis, and prototyping • Design engineering: software architectures, specification, refinement, design methods, strategies, and styles; documentation of design rationales • Software testing, analysis and verification: algorithms, techniques and processes for assuring or assessing software with respect to functional or non-functional requirements • Configuration management: version control and system evolution • Software understanding and reengineering • Reuse: techniques for reusing components such as specifications, designs, or code, and for making such products reusable • Software process engineering: modeling, analysis, customization, enactment, evolution • Software engineering environments: organization, tool integration and interoperability; object management, language-directed tools, knowledge-based tools, dedicated tools; software visualization • Measurement, metrics, estimation methods, and empirical studies • Human-Software interaction • Collaborative software engineering	2

JID	Journal Name	Aims and Scopes	xID
		• Special software engineering techniques for: distributed systems, real-time systems, safety-critical systems, secure systems, multimedia systems, and mobile computing • Adaptation of techniques from programming languages, artificial intelligence, or databases • Domain-specific software engineering techniques	
184	IEEE-ACM Transactions on Audio Speech and Language Processing	• Audio processing: transducers, room acoustics, active sound control, human audition, analysis/synthesis/coding of music, and consumer audio. • Speech processing: areas such as speech analysis, synthesis, coding, speech and speaker recognition, speech production and perception, and speech enhancement. • Language processing: speech and text analysis, understanding, generation, dialog management, translation, summarization, question answering and document indexing and retrieval, as well as general language modeling.	1

185	ACM Transactions on Multimedia Computing Communications and Applications	• Multimedia computing
		  • I/O devices
		  • OS
		  • Storage systems
		  • Streaming media middleware
		  • Continuous media representations
		  • Media coding, media processing, etc.
		• Multimedia communications
		  • Real-time protocols
		  • End-to-end streaming media
		  • Resource allocation
		  • Multicast protocols, etc.
		• Multimedia applications
		  • Databases
		  • Distributed collaboration
		  • Video conferencing
		  • 3D virtual environments, etc.
			2

186	Latin American Economic Review	• Inflation • Informal sector • Corruption • Crime • Drug policy • Unions • Social exclusion • Price controls • Energy and environmental policy • Natural resources • Technology transfer	5

187	Logical Methods in Computer Science	• Theoretical and practical areas in computer science involving logical methods like:
		  • Algebraic methods
		  • Automata and logic
		  • Automated deduction
		  • Categorical models and logic
		  • Coalgebraic methods
		  • Computability and Logic
		  • Computer-aided verification
		  • Concurrency theory
		  • Constraint programming
		  • Cyber-physical systems
		  • Database theory
		  • Defeasible reasoning
			3

JID	Journal Name	Aims and Scopes	xID
		• Domain theory • Emerging topics: Computational systems in biology • Emerging topics: Quantum computation and logic • Finite model theory • Formalized mathematics • Functional programming and lambda calculus • Inductive logic and learning • Interactive proof checking • Logic and algorithms • Logic and complexity • Logic and games • Logic and probability • Logic for knowledge representation • Logic programming • Logics of programs • Modal and temporal logics • Program analysis and type checking • Program development and specification • Proof complexity • Real time and hybrid systems • Reasoning about actions and planning • Satisfiability • Security • Semantics of programming languages • Term rewriting and equational logic • Type theory and constructive mathematics	
188	SIAM Journal on Computing	• Analysis and design of algorithms • Algorithmic game theory • Data structures • Computational complexity • Computational algebra • Computational aspects of combinatorics and graph theory • Computational biology • Computational geometry • Computational robotics • The mathematical aspects of programming languages • Artificial intelligence • Computational learning • Databases • Information retrieval • Cryptography • Networks • Distributed computing • Parallel algorithms • Computer architecture	5
189	Geoinformatica	• Spatial modeling and databases • Human-computer interfaces for gis • Digital cartography • Space imagery • Parallelism, distribution and communication through gis • Spatio-temporal reasoning	3
190	Advances in Data Analysis and	• Statistical Theory and Methods	5

JID	Journal Name	Aims and Scopes	xID
	Classification	• Statistics for Business, Management, Economics, Finance, Insurance • Statistics for Life Sciences, Medicine, Health Sciences • Statistics for Engineering, Physics, Computer Science, Chemistry and Earth Sciences • Statistics for Social Sciences, Humanities, Law • Data Mining and Knowledge Discovery	
191	Quantum Information Processing	• Quantum information technology, spintronics • Quantum computing • Data structures and information theory • Quantum physics • Mathematical physics	6
192	Operations Research	• Underlying data-based principles of operational science • Observations and modeling of operating systems • Contributions to the methods and models of or • Case histories of applications • Review articles and discussions of the administrative environment, history, policy, practice, future, and arenas of application of operations research • Complete studies that contain data, computer experiments, and model validation, and that integrate theory, methods, and applications	3
193	Numerische Mathematik	• The conception and mathematical analysis of efficient numerical schemes actually used on computers (the "core" of Numerical Analysis) • Optimization and Control Theory • Mathematical Modeling • The mathematical aspects of Scientific Computing	2
194	Journal of The Royal Statistical Society Series C-Applied Statistics	• Statistical methods for real life problems	2
195	Theoretical and Applied Genetics	• Original research and review articles in all key areas of modern plant genetics, plant genomics and plant biotechnology	1
196	Annals of Mathematics	• Decision sciences • Statistics, probability and uncertainty • Mathematics • Statistics and probability	3

197	ACM Transactions on Mathematical Software	• Methodology
		  • Design, development and implementation of algorithms
		  • Design of user and system interfaces
		  • Analysis, testing and evaluation of algorithms and computer programs
		  • Documentation, dissemination, and maintenance of computer programs
		• Environment
		  • Machine arithmetic
		  • Parallel and vector processing
		  • Error handling
		  • Languages
		  • Software tools
		• Paradigms
		  • Numeric computation
		  • Symbolic computation
		  • Computational science
		  • Problem solving environments
		  • Knowledge-based approaches
		  • Object-oriented computing
		• Applications
		  • Mathematical function evaluation
			5

JID	Journal Name	Aims and Scopes	xID
		• Linear algebra • Nonlinear equations • Interpolation and approximation • Data handling • Transforms • Statistical analysis • Quadrature • Differential and integral equations • Optimization • Computational geometry • Discrete and symbolic mathematical algorithms • Pattern recognition • Sorting, searching, and classifying	
198	Multimedia Tools and Applications	• Multimedia Tools • Multimedia Applications • Prototype multimedia systems and platforms • Home • Education and Training • Operations • Public • Business Office • Visual Information Systems	5
199	Combinatorica	• Combinatorial structures (graphs, hypergraphs, matroids, designs, permutation groups) • Combinatorial optimization • Combinatorial aspects of geometry and number theory • Algorithms in combinatorics and related fields • Computational complexity theory	3
200	Computers and Security	• Computer security, audit, control and data integrity in all sectors - industry, commerce and academia	3

201	Solar Energy Materials and Solar Cells	• Solar Cells
		  • Single crystal
		  • Polycrystalline and amorphous materials utilising homojunctions and heterojunctions
		  • Schottky barriers
		  • Liquid junctions and their applications
		  • Analysis of component materials
		  • Individual cells and complete systems, including their economic aspects
		• Photothermal Devices
		  • Solar absorber devices
		  • Heat storage materials
		  • Radiative cooling systems and their applications
		• Photoelectrochemical and Photochemical Devices
		  • Photoelectrodes
		  • Photocatalysis
		  • Photoconversion and solar desalination systems and their applications
		• Optical Properties of materials
		  • Light trapping, texturizing
		  • Solar concentrators which include imaging and non-imaging optical collectors
		• Light Control
		  • Systems for energy efficient architecture and daylighting
		  • Chromogenics and smart windows
			2

202	Business Horizons	• Business academicians and practitioners	5

JID	Journal Name	Aims and Scopes	xID
		• Wide range of topical areas within the general field of business	
203	American Journal of Clinical Nutrition	• Nutrition, such as obesity, vitamins and minerals, nutrition and disease, and energy metabolism	6
204	Artificial Intelligence in Medicine	• AI-based clinical decision making; • Medical knowledge engineering; • Knowledge-based and agent-based systems; • Computational intelligence in bio- and clinical medicine; • Intelligent and process-aware information systems in healthcare and medicine; • Natural language processing in medicine; • Data analytics and mining for biomedical decision support; • New computational platforms and models for biomedicine; • Intelligent exploitation of heterogeneous data sources aimed at supporting decision-based and data-intensive clinical tasks; • Intelligent devices and instruments; • Automated reasoning and meta-reasoning in medicine; • Machine learning in medicine, medically-oriented human biology, and healthcare; • AI and data science in medicine, medically-oriented human biology, and healthcare; • AI-based modeling and management of healthcare pathways and clinical guidelines; • Models and systems for AI-based population health; • AI in medical and healthcare education; • Methodological, philosophical, ethical, and social issues of AI in healthcare, medically-oriented human biology, and medicine.	6
205	Computers in Human Behavior	• Examining the use of computers from a psychological perspective • The use of computers in psychology, psychiatry and related disciplines • The psychological impact of computer uses on individuals, groups and society • The use of computers for professional practice, training, research and theory development • The psychological effects of computers on phenomena such as human development, learning, cognition, personality, and social interactions	3
206	Applied Thermal Engineering	• Components and equipment such as heat exchangers, heat pumps and refrigeration plants, heat pipes, combined heat and power and advanced alternative cycles, polygene ration, combustion processes applied in thermal systems, heat transfer enhancement as applied to the above, and other unit operations involving thermal engineering processes. • Renewable and clean energy technologies such as solar thermal power plants, the integration of renewable energy with conventional processes, thermal management of fuel cells and batteries, and other alternative solutions for improving resource efficiency and reducing emissions. • Component through to system design covering energy use in both the process and power industries, and in buildings, including passive thermal design techniques. • Economic assessments of thermal engineering projects, and the financial implications of component, equipment, technological and system design	1
207	Journal of Computational Mathematics	• Branches of modern computational mathematics • Numerical linear algebra • Numerical optimization • Computational geometry • Numerical PDEs • Inverse problems	5
208	Energy and Buildings	• Energy demands and consumption in existing and future buildings - prediction and validation • Indoor environment quality, including health and thermal comfort vis-à-vis energy • Natural, mechanical and mixed ventilation • Air distribution in buildings • Application of solar and other renewable energy sources in buildings	5

JID	Journal Name	Aims and Scopes	xID
		• Energy balances in building complexes • Residential • Commercial • Industrial • Public and other buildings • Energy efficiency improvement measures of HVAC&R • Residential • Commercial • Industrial • Public and other buildings • Semi open built spaces • Heat recovery systems in buildings • Buildings and district heating and cooling • Energy conservation in built environment • Energy efficient buildings • Building physics • Energy sustainability, resilience and climate adaptability of buildings • Evaluation and control of indoor thermal and lighting systems • Building's total performance and intelligent buildings • Links between architectural design, mechanical and lighting systems • New materials in buildings and their impact on energy demands • External and internal design conditions for energy efficient buildings • Building envelope materials and structure energy performance • Thermal energy storage and thermally active building systems - TABS • Energy performance of buildings and modeling predictive control • Zero CO2 emission • Residential/municipal energy refurbishment and renovation • Life cycle energy efficiency of buildings and embodied energy • Architectural structure - construction energy efficiency • Energy related aspects of buildings after catastrophic events	
209	Journal of Cluster Science	• Cluster Chemistry and Nanomaterials • Cluster Physics and Astrophysics • Cluster Biology and Life Sciences • Cluster Mathematics and Analysis • Cluster-related Earth Science • Cluster-based energy production • New instrumentation or novel experimental techniques for cluster research	6
210	Bioinformatics	• New developments in genome bioinformatics and computational biology • The former reporting biologically interesting discoveries • Exploring the applications used for experiments	5
211	Neural Computation	• Important, multidisciplinary research in theory, modeling, computation • Statistics in neuroscience • Design and construction of neurally inspired information processing systems	1
212	Telemedicine and E-Health	• Clinical telemedicine practice • Technical advances • Medical connectivity • Enabling technologies • Education • Health policy and regulation • Biomedical and health services researchs	6
213	IEEE Transactions on Circuits and Systems Ii-Express Briefs	• Circuits: Analog, Digital and Mixed Signal Circuits and Systems • Nonlinear Circuits and Systems, Integrated Sensors, MEMS and Systems on Chip, Nanoscale	6

JID	Journal Name	Aims and Scopes	xID
		Circuits and Systems, Optoelectronic • Circuits and Systems, Power Electronics and Systems • Software for Analog-and-Logic Circuits and Systems • Control aspects of Circuits and Systems.	
214	ACM Transactions on Privacy and Security	• Security Technologies • Fundamentals • Secure Systems • Privacy Methods • Security and Privacy Applications • Privacy and Security Policies	5
215	Computers and Operations Research	• Scientific fields of vital importance to our society. These include, among others, transportation, economics, investment strategy, inventory control, logistics, safety, reliability, urban planning, and ecology • State-of-the-art surveys and best practice guides in analytics, operations research, and management science, in a special Surveys section	6
216	Mathematical Problems in Engineering	• Results of rigorous engineering research carried out using mathematical tools in any scope like: • Aerospace engineering • Bioengineering • Chemical engineering • Computer engineering • Electrical engineering • Industrial engineering and manufacturing systems • Mechanical engineering	3
217	Eurasip Journal on Advances in Signal Processing	• Highlight the theoretical and practical aspects of signal processing in new and emerging technologies	2
218	International Journal of Medical Informatics	• Information systems, including national or international registration systems, hospital information systems, departmental and/or physician's office systems, document handling systems, electronic medical record systems, standardization, systems integration etc.; • Computer-aided medical decision support systems using heuristic, algorithmic and/or statistical methods as exemplified in decision theory, protocol development, artificial intelligence, etc. • Educational computer-based programs pertaining to medical informatics or medicine in general; • Organizational, economic, social, clinical impact, ethical and cost-benefit aspects of IT applications in health care.	1
219	Applied Soft Computing	• Ant Colony • Chaos Theory • Evolutionary Computing • Fuzzy Computing • Hybrid Methods • Immunological Computing • Morphic Computing • Neuro Computing • Particle Swarm • Probabilistic Computing • Rough Sets • Wavelet • Agricultural Machinery and Produce • Autonomous Reasoning	1

JID	Journal Name	Aims and Scopes	xID
		• Bio-inspired Systems • Biomedical Engineering • Condition Monitoring • Consumer Electronics • Data Mining • Data Visualisation • Decision Support • Engineering Design Optimisation • Fault Diagnosis • Human-Machine Interface • Industrial Electronics • Intelligent Agents • Intelligent Information Retrieval • Internet Tools • Manufacturing Systems • Motion Control and Power Electronics • Multi-objective Optimisation • Nano and Micro-systems • Power and Energy • Process and System Control • Process Optimisation • Reactive Distributed AI • Robotics • Signal or Image Processing • System Identification and Modelling • Systems Integration • Telecommunications • Time Series Prediction • Virtual Reality • Vision or Pattern Recognition	
220	Journal of Intelligent and Robotic Systems	• Theoretical side • Intelligent systems engineering, distributed intelligence systems, multi-level systems, intelligent control, multi-robot systems, cooperation and coordination of unmanned vehicle systems, etc • Application side • Autonomous systems, industrial robotic systems, multi-robot systems, aerial vehicles, mobile robot platforms, underwater robots, sensors, sensor-fusion, and sensor-based control	1
221	Advances in Engineering Software	• Innovative computational strategies and numerical algorithms for large-scale engineering problems • Analysis and simulation techniques and systems • Model and mesh generation • Control of the accuracy, stability and efficiency of computational process • Exploitation of new computing environments (e.g. distributed heterogeneous and collaborative computing) • Advanced visualization techniques, virtual environments and prototyping • Applications of AI, knowledge-based systems, computational intelligence, including fuzzy logic, neural networks and evolutionary computations • Application of object-oriented technology to engineering problems • Intelligent human computer interfaces • Design automation, multidisciplinary design and optimization • CAD, CAE and integrated process and product development systems • Quality and reliability	3
222	Integrated Computer-Aided	• Object-oriented manufacturing systems	3

JID	Journal Name	Aims and Scopes	xID
	Engineering	• Artificial intelligence in manufacturing and robotics • Intelligent information systems • Multidatabase and interoperable systems • Real-time intelligent control systems • Integrated product and process data management • Faults in automated manufacturing • Massively parallel computing • Intelligent manufacturing systems • Design of embedded computer systems • Real-time engineering systems • Neutral techniques for industrial applications • Intelligent autonomous vehicles • Architectural trends for image processing and machine vision • Industrial applications of the wavelet transform • Distributed computing and networking • Agent-based manufacturing • Evolutionary computing and neutral networks	
223	Clinical Medicine	• Broad range of content, including original research, review, guidance, and opinion, for the continuing medical and professional education of physicians. • Balanced and responsible debate on a variety of subjects, including the latest developments in medicine, healthcare, ethics and clinical leadership. • High levels of editorial integrity and to engage, inform and support the life-long learning of doctors of all grades	1
224	International Journal of Game Theory	• Game theory and its applications • Survey articles may also be considered if especially useful for the field	6
225	IEEE Transactions on Software Engineering	• Ranges from the mechanisms through the development of principles to the application of those principles to specific environments. • Development and maintenance methods and models, e.g., techniques and principles for the specification, design, and implementation of software systems, including notations and process models • Assessment methods, e.g., software tests and validation, reliability models, test and diagnosis procedures, software redundancy and design for error control, and the measurements and evaluation of various aspects of the process and product • Software project management, e.g., productivity factors, cost models, schedule and organizational issues, standards • Tools and environments, e.g., specific tools, integrated tool environments including the associated architectures, databases, and parallel and distributed processing issues • System issues, e.g., hardware-software trade-off • State-of-the-art surveys that provide a synthesis and comprehensive review of the historical development of one particular area of interest	2
226	Journal of Chemometrics	• Rapid publication of original scientific papers • Reviews and short communications on fundamental and applied aspects of chemometrics	1
227	Journal of Applied Research in Memory and Cognition	• Memory and cognition	2
228	Advances in Materials Science and Engineering	• Chemistry and fundamental properties of matter • Material synthesis, fabrication, manufacture, and processing • Magnetic, electrical, thermal, and optical properties of materials • Strength, durability, and mechanical behaviour of materials • Consideration of materials in structural design, modelling, and engineering • Green and renewable materials, and consideration of materials' life cycles • Materials in specialist applications (such as medicine, energy, aerospace, and nanotechnology)	6

JID	Journal Name	Aims and Scopes	xID
229	Chemometrics and Intelligent Laboratory Systems	• Development of new statistical, mathematical and chemometrical methods for chemistry and related fields (environmental chemistry, biochemistry, toxicology, system biology, -omics, etc.) • Novel applications of chemometrics to all branches of chemistry and related fields • Development of new software that provides novel tools or truly advances the use of chemometrical methods • Well characterized data sets to test performance for the new methods and software	3
230	American Statistician	• Statistical Practice • History Corner • Interdisciplinary • Statistical Computing and Graphics • Reviews of Books • Teaching Materials	5

231	Computers in Industry	• New trends of Information and Communication Technology in industry
		• Link or integrate different technology fields in the broad area of computer applications for industry
		• Link or integrate different application areas of ICT in industry
		• The unique application of ICT in business processes
		  • Design
		  • Engineering
		  • Manufacturing
		  • Purchasing
		  • Physical distribution
		  • Production management
		  • Supply chain management
		• Research in integration of business process support
		  • Enterprise modelling
		  • ERP
		  • EDM
		• The industrial use of ICT in knowledge intensive fields
		  • Quality control
		  • Logistics
		  • Engineering data management
		  • Product documentation
		• Demonstration of enabling capabilities of new or existing technologies
		  • Hard real time systems
		  • Knowledge engineering
		  • Applied fuzzy logic
		  • Collaborative work systems
		  • Intelligence agents
			5

232	Journal of Computational Physics	• Numerical solution of problems in all areas of physics. • Interdisciplinary in nature and span several areas of physics, mechanics, mathematics, statistics, applied geometry, computer science and other scientific disciplines as well	6
233	Computers and Geosciences	• Mineralogy • Petrology • Geochemistry • Geomorphology • Paleontology • Stratigraphy • Structural geology • Sedimentology • Hydrology	1

JID	Journal Name	Aims and Scopes	xID
		• Hydrogeology • Oceanography • Atmospheric sciences • Climatology • Meteorology • Geophysics • Geomatics • Seismology • Geodesy • Paleogeography • Environmental science • Soil science • Glaciology	
234	Applied Mathematical Modelling	• Research related to the mathematical modelling of engineering and environmental processes, manufacturing, and industrial systems • Heat transfer, fluid mechanics, CFD, and transport phenomena • Solid mechanics and mechanics of metals • Electromagnets and mhd • Reliability modelling and system optimization • Finite volume, finite element, and boundary element procedures • Modelling of inventory, industrial, manufacturing and logistics systems for viable decision making • Civil engineering systems and structures • Mineral and energy resources • Relevant software engineering issues associated with cad and cae • Materials and metallurgical engineering	1
235	Data Mining and Knowledge Discovery	• Theory and Foundational Issues • Data Mining Methods • Algorithms for Data Mining • Knowledge Discovery Process • Application Issues	2
236	IEEE Circuits and Systems Magazine	• Analog, passive, switch capacitor, and digital filters • Electronic circuits, networks, graph theory, and rf communication circuits • System theory • Discrete, ic, and vlsi circuit design • Multidimensional circuits and systems • Large-scale systems and power networks • Nonlinear circuits and systems, wavelets, filter banks, and applications • Neural networks • Signal processing	3
237	Applied Sciences-Basel	• Nanotechnology and Applied Nanoscience • Optics and Lasers • Acoustics and Vibrations • Chemistry • Materials • Energy • Mechanical Engineering • Computer Science and Electrical Engineering • Applied Biosciences and Bioengineering • Environmental and Sustainable Science and Technology • Quantum Science and Technology • Applied Physics	2

JID	Journal Name	Aims and Scopes	xID

238	Computers and Chemical Engineering	• Modeling, numerical analysis and simulation
		• Mathematical programming (optimization)
		• Cyberinfrastructure, informatics and intelligent systems
		• Process and product synthesis/design
		• Process dynamics, control and monitoring
		• Abnormal events management and process safety
		• Plant operations, integration, planning/scheduling and supply chain
		• Enterprise-wide management and technology-driven policy making
		• Domain applications
		  • Molecular
		  • Biological
		  • Pharmaceutical
		  • Food
		  • Energy
		  • Environmental systems engineering
			2

239	Journal of The Association for Information Systems	• All aspects of Information Systems globally	6

240	Journal of The American Dental Association	• Peer-reviewed research on current and developing topics in dentistry
		• Clinical information
		  • Biomaterials
		  • Pharmacology
		  • Cosmetic
		  • Esthetic dentistry as well as general dental practice
		• Reports on the increasingly important relationship between dental health and overall health
		• News and views on the issues of the day
		• Explorations of practice building and legal topics
		• A continuing education program
			2

241	Information Systems Frontiers	• Computer science • Telecommunications • Operations research • Economics • Cognitive sciences • Enterprise modeling and integration • Object/web technologies • Information economics • IT integrated manufacturing • Medical informatics • Digital libraries • Mobile computing • Electronic commerce	5
242	Applied Mathematics Letters	• A novel application or utilization of mathematics • A development in the methodology of applied • Applied mathematics topics based on differential equations and linear algebra	3
243	IEEE Journal of Translational Engineering in Health and Medicine	• Medical devices, healthcare delivery systems, global healthcare initiatives, and ICT based services • Technological relevance to healthcare cost reduction • Technology affecting healthcare management, decision-making, and policy • Advanced technical work that is applied to solving specific clinical needs	1
244	Automation in Construction	• Computer-aided design • Product modeling • Decision support systems	5

JID	Journal Name	Aims and Scopes	xID
		• Classification and standardization • Product data interchange • Computer-aided engineering • Process simulation models • Graphics • Robotics • Metrology • Logistics • Automated inspection • Demolition/remediation • Facilities management • Management information systems • Intelligent control systems	
245	Military Medicine	• Ideas and problems relevant to federal healthcare	6
246	R and D Management	• Practicing managers and academic researchers in R&D and innovation management • Full range of topics in research, development, design and innovation, and related strategic and human resource issues	1
247	Transactions of The Institute of Measurement and Control	• Systems and control theory • Sensors and signal processing • Advanced manufacturing systems • Management systems • Standards policy • Man/machine interface and human factors • Computing for measurement, control and automation • Adaptive control • Advanced robotics • Dynamic simulation • Education and training • Safety systems and reliability engineering • Artificial intelligence and applications	3
248	Sensors	• Physical sensors • Chemical sensors • Biosensors • lab-on-a-chip • Remote sensors • Sensor networks • Smart/Intelligent sensors • Sensor devices • Sensor technology and application • Sensing principles • Optoelectronic and photonic sensors • Optomechanical sensors • Sensor arrays and Chemometrics • Micro and nanosensors • Internet of Things • Signal processing, data fusion and deep learning in sensor systems • Sensor interface • Human-Computer Interaction • Advanced materials for sensing • Sensing systems • MEMS/NEMS • Localization and object tracking	5

JID	Journal Name	Aims and Scopes	xID
249	Chest	• Chest	6
250	Lms Journal of Computation and Mathematics	• Computational Theory and Mathematics • Mathematics	2
251	Social Choice and Welfare	• Preference aggregation • Welfare criteria • Fairness • Justice and equity • Rights • Inequality and poverty measurement • Voting and elections • Political games • Coalition formation • Public goods • Mechanism design • Networks • Matching • Optimal taxation • Cost-benefit analysis • Computational social choice • Judgement aggregation • Market design • Behavioral welfare economics • Subjective well-being studies and experimental investigations related to social choice and voting	1

252	Sensors and Actuators A-Physical	• Fundamentals and Physics
		  • Classification of effects
		  • Physical effects
		  • Measurement theory
		  • Modelling of sensors
		  • Measurement standards
		  • Measurement errors
		  • Units and constants
		• Time and frequency measurement
		• Materials and their Processing
		• Optoelectronic sensors
		• Mechanical sensors
		• Thermal sensors
		• Magnetic sensors
		• Micromechanics
		• Interface electronics
		• Sensor Systems and Applications
			6

253	Indian Journal of Chemical Technology	• The areas related to Chemical Engineering, Catalysis, Leather Processing, Polymerization, Membrane Separation, Pharmaceuticals and Drugs, Agrochemicals, Reaction Engineering, Biochemical Engineering, Petroleum Technology, Corrosion & Metallurgy and Applied Chemistry	1
254	Pattern Recognition	• Theory, methodology and application of pattern recognition in any area	1
255	IET Signal Processing	• Advances in single and multi-dimensional filter design and implementation • Linear and nonlinear, fixed and adaptive digital filters and multirate filter banks • Statistical signal processing techniques and analysis • Classical, parametric and higher order spectral analysis • Signal transformation and compression techniques, including time-frequency analysis	1

JID	Journal Name	Aims and Scopes	xID
		• System modelling and adaptive identification techniques • Machine learning based approaches to signal processing • Bayesian methods for signal processing, including monte-carlo markov-chain and particle filtering techniques • Theory and application of blind and semi-blind signal separation techniques • Signal processing techniques for analysis, enhancement, coding, synthesis and recognition of speech signals • Direction-finding and beamforming techniques for audio and electromagnetic signals • Analysis techniques for biomedical signals • Baseband signal processing techniques for transmission and reception of communication signals • Signal processing techniques for data hiding and audio watermarking • Sparse signal processing and compressive sensing	
256	Personal and Ubiquitous Computing	• Personal and ubiquitous technologies and services • User experience for advanced digital technologies, the internet of things, big data, social technologies and mobile and wearable devices	3
257	Public Choice	• Public Finance • Political Science	2
258	Machine Learning	• Learning Problems • Learning Methods	5
259	IEEE Latin America Transactions	• Enable the publication of non-published and technically excellent papers from Latin American engineers, in Spanish or Portuguese languages	1

260	Journal of Optimization Theory and Applications	• Mathematical optimization techniques and their applications to science and engineering
		• Linear, nonlinear, mathematical, and dynamic programming among the areas of:
		  • Mathematical economics
		  • Mathematical physics and biology
		  • Aerospace
		  • Chemical
		  • Civil
		  • Electrical
		  • Mechanical engineering
			3

261	Journal of Cardiovascular Nursing	• The physiologic, psychologic, and social needs of cardiovascular patients and their families in a variety of environments	6

262	International Journal of Production Economics	• Treating the interface between engineering and management
		• Manufacturing and process industries
		• Production in general
		• Cycles of activities
		  • Product life cycle
		  • Research
		  • Design
		  • Development
		  • Test
		  • Launch
		  • Disposal
		  • Material flow cycle
		• Supply
		• Production
		• Distribution
			2

263	Nature Reviews Microbiology	• Biochemistry, physiology and molecular biology	2

JID	Journal Name	Aims and Scopes	xID
		• Genetics and genomics • Ecology, evolution and biodiversity • Cellular microbiology • Environmental microbiology • Pathogenesis and host defence • Clinical and diagnostic microbiology • Infectious diseases • Antimicrobial therapies and vaccines • Epidemiology and public health microbiology • Applied and industrial microbiology • Microbiology education • Microbiology and society	
264	Genomics Proteomics and Bioinformatics	• Genomics, Proteomics and Bioinformatics (GPB) • Epigenomics (DNA modifications, nucleosome positioning, histone modifications, chromosome conformation and 3-D structures, etc.) • Ribogenomics (transcriptomics, long-non-coding RNA, antisense transcriptomics, mirnas, etc.) • Proteomics (protein structures, proteomics technology developments, protein expression profiling, protein complexes in terms of structure, function, properties and interactions metabolomics, homeostasis of macromolecules) • Bioinformatics	3
265	Cognitive Computation	• Neurosciences • Computation by Abstract Devices • Artificial Intelligence • Computational Biology/Bioinformatics	6
266	International Arab Journal of Information Technology	• Image processing • Computer networks • Software engineering • Information security • Algorithms & applications • Data mining • AI & expert systems • Database systems • Machine learning • Arabic language processing • Natural language processing • Neural networks • Parallel & distributed systems • Human computer interaction • Multimedia & visual programming • Geographical information systems • Pattern recognition • Cloud computing	3
267	Optics Communications	• Classical and quantum optics • Optical physics and light-matter interactions • lasers • Imaging • Guided-wave optics • Optical information processing	5
268	ACM Transactions on Algorithms	• Combinatorial searches and objects • Counting • Discrete optimization and approximation	5

JID	Journal Name	Aims and Scopes	xID

		• Randomization and quantum computation
		• Parallel and distributed computation
		• Algorithms for
		  • Graphs
		  • Geometry
		  • Arithmetic
		  • Number theory
		  • Strings
		• On-line analysis
		• Cryptography
		• Coding
		• Data compression
		• Learning algorithms
		• Methods of algorithmic analysis
		• Discrete algorithms for application areas such as
		  • Biology
		  • Economics
		  • Game theory
		  • Communication
		  • Computer systems and architecture
		  • Hardware design
		• Scientific computing	

269	International Journal of Applied Mathematics and Computer Science	• Control theory
		  • Optimal control
		  • System identification
		  • Adaptive and robust control
		  • Multivariable control
		  • Non-linear systems
		• Dynamical systems
		  • Spatiotemporal processes
		  • Control problems
		  • State and parameter estimation
		  • Sensor networks
		• Fault detection and diagnosis
		• Fault-tolerant control
		• Robotics
		  • Modelling and simulation
		  • Mobile robots
		  • Optimal trajectory planning
		• Mathematical modelling and simulation
		  • Numerical algorithms
		• Optimization
		  • Mathematical optimization techniques
		  • Global optimization
		  • Evolutionary algorithms
		• Classification and pattern recognition
		• Artificial intelligence
		  • Neural networks
		  • Knowledge engineering
		  • Reasoning and learning models
		  • Expert and decision support systems
		  • Fuzzy systems
		  • Search methods
			5

JID	Journal Name	Aims and Scopes	xID
		• Mathematical biology • Applications in engineering and medicine	
270	Electrical Engineering	• Electric power systems • Smart grid approaches to power transmission and distribution • Power system planning • Operation and control • Electricity markets • Renewable power generation • Microgrids • Power electronics • Electrical machines and drives • Electric vehicles • Railway electrification systems and electric transportation infrastructures • Energy storage in electric power systems and vehicles • High voltage engineering • Electromagnetic transients in power networks • Lightning protection • Electrical safety • Electrical insulation systems • Apparatus devices and components	5
271	Journal of Advanced Nursing (JAN)	• High quality research scholarship of contemporary relevance and with potential to advance knowledge for practice, education, management or policy	1
272	Nature Reviews Neuroscience	• Cellular and molecular neuroscience • Development of the nervous system • Sensory, motor systems and behaviour • Regulatory systems • Higher cognition and language • Computational neuroscience • Disorders of the brain	3
273	ACM Transactions on Intelligent Systems and Technology	• Intelligent systems • Applicable algorithms and technology with a multi-disciplinary perspective	5
274	Annals of Applied Probability	• Applied Probability	6
275	IEEE Photonics Technology Letters	• photonic/light wave components and applications • laser physics and systems • laser/electro-optics technology	5
276	Universal Access in The Information Society	• User Interfaces and Human Computer Interaction • Computer Communication Networks • Information Storage and Retrieval • Information Systems Applications (incl. Internet) • Computers and Society • IT in Business • Accessibility guidelines • Accessible games • Adaptable and adaptive interfaces • Alternative and augmented Input /Output techniques • Applications of assistive technologies in the mainstream • Architectures, development methods and tools for universal access • Assistive applications and environments • Context awareness • Design good practice for Universal Access • Design for All and accessibility education and training	6

JID	Journal Name	Aims and Scopes	xID
		• Design methods, techniques and tools for Universal Access • Design theory and design support tools • Economics of universal access • Evaluation of Accessibility, Usability, and User Experience • Human activity modeling and support • Infrastructures and protocols supporting universal access • Modality independent and multimodal interaction • Multilingual and multicultural issues • Novel designs for the very young, the elderly, and people with different types of disabilities • Novel interaction techniques, platforms, metaphors and devices • Participatory design approaches involving diverse target user groups • Personalization techniques and personalized products and services • Policy measures, legislation, standardization and certification • Security and privacy issues in sensor-augmented environments • Smart artifacts and smart environments • Social and psychological issues • Tangible and Implicit Interaction • Technology assessment and impact of ICT on Universal Access • Universal Access to Ambient Intelligence and Augmented Environments • Universal Access to mobile interaction • Universal Access to online communities and eServices • Universal Access to the Web • User and context modeling and monitoring • User requirements elicitation and analysis for diverse target user groups	
277	IEEE Transactions on Neural Networks and Learning Systems	• Theory, design, and applications of neural networks and related learning systems	5
278	Chinese Journal of Physiology	• Physiology	6

279	Presence: Teleoperators and Virtual Environments	• Computer scientists
		• High-tech artists and media professionals
		  • Psychologists
		  • Human-machine interfaces
		  • Sensorimotor/cognitive behavior
		  • Mechanical and electrical engineers
			5

280	Neural Networks	• All aspects of neural networks and related approaches to computational intelligence
		• The full range of neural networks research
		  • Behavioral and brain modeling
		  • Learning algorithms
		  • Mathematical and computational analyses
			5

281	Briefings in Bioinformatics	• Genetic studies of phenotypes and genotypes • Mapping • DNA sequencing • Expression profiling • Gene expression studies • Microarrays • Alignment methods • Protein profiles and HMMs • Lipids • Metabolic and signalling pathways • Structure determination and function prediction • Phylogenetic studies and education and training	2
282	Journal of Combinatorial	• Combinatorics	2

JID	Journal Name	Aims and Scopes	xID
	Optimization	• Convex and Discrete Geometry • Mathematical Modeling and Industrial Mathematics • Theory of Computation • Optimization • Operations Research/Decision Theory	
283	Analytical Chemistry	• New and original knowledge in all branches of analytical chemistry • Fundamental articles that address the general principles of chemical measurement science • Any phase of analytical operations, including sampling, bioanalysis, electrochemistry, mass spectrometry, microscale and nanoscale systems and structures, environmental analysis, separations, spectroscopy, chemical reactions and selectivity, instrumentation, imaging, surface analysis, and data processing	1

284	Microprocessors and Microsystems	• Different embedded system hardware platforms ranging from custom hardware
		  • Reconfigurable systems and application specific processors
		  • General purpose embedded processors
		  • Novel complex embedded architectures
		  • Systems on chip (SoC)
		  • Systems on a programmable/reconfigurable chip (SoPC)
		  • Multi-processor systems on a chip (MPSoC)
		  • Memory and communication methods and structures
		  • Network-on-chip (NoC)
		• Design automation of such systems
		  • Methodologies
		  • Techniques
		  • Flows and tools for their design
		  • Novel designs of hardware components
		  • Novel cyber-physical applications that use embedded systems
			2

285	Data and Knowledge Engineering	• Representation and Manipulation of Data & Knowledge • Architectures of database, expert, or knowledge-based systems • Construction of data/knowledge bases • Applications, case studies, and management issues • Tools for specifying and developing Data and Knowledge Bases using tools based on Linguistics or Human Machine Interface principles • Communication aspects involved in implementing, designing and using KBSs in Cyberspace	6
286	Queueing Systems	• Queueing systems • Storage and logistics • Traffic and transportation • Computer and communication systems	3
287	International Journal of Hematology	• All aspects of hematology • Erythrocytes, leukocytes and hematopoiesis, hemostasis, thrombosis and vascular biology, hematological malignancies, transplantation, and cell therapy	1
288	Operations Research Letters	• Approximation and heuristics • Continuous optimization • Financial engineering • Game theory • Graphs and networks • Inventory control • Life sciences and healthcare • Linear and stochastic optimization • Logistics and revenue management • Mixed integer optimization • Reliability and maintenance optimization	3

JID	Journal Name	Aims and Scopes	xID
		• Scheduling • Stochastic networks and queues	
289	Foundations of Computational Mathematics	• The creative tension among mathematics, computer science and application areas unencumbered by any external criteria such as the pressure for applications	6
290	Advances in Applied Mathematics	• Original and survey articles on rigorous methods and results in applied mathematics • Discrete mathematics • Discrete probability theory • Theoretical statistics • Mathematical biology and bioinformatics • Applied commutative algebra and algebraic geometry • Convexity theory • Experimental mathematics • Theoretical computer science	1
291	ACM Transactions on Autonomous and Adaptive Systems	• ICT systems • Dynamic socio-technico-physical environments	2
292	Gigascience	• ALL research objects (data, software tools and workflows) from 'big data' studies across the entire spectrum of life and biomedical sciences	1
293	Enterprise Information Systems	• Enterprise Information Systems (EIS) design, applications, implementation, and impact in industrial sectors including manufacturing, service, healthcare, environment, energy and government • EIS and e-logistics, global e-supply chain management, Supplier Relationship Management (SRM), and customer relationship management (CRM) • Enterprise Resource Planning (ERP) • Business intelligence, business process and workflow modelling, analysis, integration, monitoring, and management • Enterprise modelling and simulation, integration, and enterprise engineering • Enterprise computing concepts for Internet of Things (IoT), RFID, electronic and mobile commerce, e-finance, e-payment, telecommunications, automotive, aerospace, command and control, defence, healthcare, and government • Inter-enterprise collaboration and virtual enterprises • Enterprise architecture design and modelling, cloud computing and Big Data Analytics (BDA), Model-Driven Architecture (MDA), component-oriented architecture, Service-Oriented Architecture (SOA), collaborative development, and co-operative engineering • Integration of (legacy) enterprise applications and information, integrated systems, e-factories, integrated manufacturing systems, and industrial informatics • Evolution, Innovation and management of enterprise computing systems • Realization technologies for enterprise computing, including ontologies and semantic web support, middleware standards and systems, such as CORBA and J2EE, modelling and description languages, such as XML, RDF, OWL, and UML • Enterprise computing tools and methodologies. • Principles of data, information and knowledge management models in EIS • Trust, security and privacy issues in enterprise computing • Quality assurance and maintenance issues in enterprise computing • Systems research, systems engineering and IoT strategies for enterprises	3
294	ACM Transactions on The Web	•Browsers and Web Interfaces •Electronic Commerce •Electronic Publishing •Hypertext and Hypermedia •Semantic Web •Web Engineering •Web Services	6

JID	Journal Name	Aims and Scopes	xID
		• Service-Oriented Computing XML •Accessibility •Business Services Education •Knowledge Management and Representation •Mobility and pervasive computing •Performance and scalability •Recommender systems •Searching, Indexing, Classification, Retrieval and Querying, Data Mining and Analysis •Security and Privacy •User Interfaces	
295	Science China Information Sciences	• High-quality, original results in both basic and applied research • Reviews summarize representative results and achievements in a particular topic or an area • Comment on the current state of research, and advise on the research directions • Report on important original results in all areas of information sciences	1
296	Annals De Psicologia	• Covering all aspects related to basic and applied scientific psychology	2
297	Nature	• Research in all fields of science and technology on the basis of its originality, importance, interdisciplinary interest, timeliness, accessibility, elegance and surprising conclusions	3

298	SIAM Journal on Applied Mathematics	• Physical
		• Engineering
		• Financial
		• Life sciences
		• Fluid mechanics
		  • Reaction-diffusion problems
		  • Sedimentation
		  • Combustion
		  • Transport theory
		  • Solid mechanics
		  • Elasticity
		  • Electromagnetic theory
		  • Optics
		  • Materials science
		• Mathematical biology
		  • Population dynamics
		  • Biomechanics
		  • Physiology
		  • Linear and nonlinear wave propagation, including scattering theory and wave propagation in random media
		  • Inverse problems
		  • Nonlinear dynamics
		  • Stochastic processes, including queueing theory
		• Mathematical techniques
		  • Asymptotic methods
		  • Bifurcation theory
		  • Dynamical systems theory
		  • Complex network theory
		  • Computational methods
		• Probabilistic and statistical methods
			5

299	Journal of Computational Science	• Modeling, Algorithms and Simulations (e.g. numerical and non-numerical, discrete and continuous) • Software developed to solve science (e.g., biological, physical, and social), engineering, medicine, and humanities problems	2

JID	Journal Name	Aims and Scopes	xID
		• Computer and information science that develops and optimizes the advanced system hardware, software, networking, and data management components (e.g. problem-solving environments)	
300	IEEE Consumer Electronics Magazine	• Video technology • Audio technology • White goods • Home care products • Mobile communications • Gaming, Air care products • Home medical devices • Fitness devices • Home automation & networking devices • Consumer solar technology • Home theater, Digital imaging • Vehicle technology • Wireless technology • Cable & satellite technology • Home security • Domestic lighting • Human interface • Artificial intelligence • Home computing • Video Technology • Consumer storage technology	1
301	Biometrika	• Original theoretical contributions of direct or potential value in applications • Papers in bordering fields are also published	1

302	Expert Systems with Applications	• The design, development, testing, implementation, and/or management of expert and intelligent systems
		• Expert and intelligent systems technology and application in the areas of:
		  • Finance
		  • Accounting
		  • Engineering
		  • Marketing
		  • Auditing
		  • Law
		  • Procurement and contracting
		  • Project management
		  • Risk assessment
		  • Information management
		  • Information retrieval
		  • Crisis management
		  • Stock trading
		  • Strategic management
		  • Network management
		  • Telecommunications
		  • Space education
		  • Intelligent front ends
		  • Intelligent database management systems
		  • Medicine
		  • Chemistry
		  • Human resources management
		  • Human capital
			6

JID	Journal Name	Aims and Scopes	xID
		• Business • Production management • Archaeology • Economics • Energy • Defense • Multi-agent systems • Knowledge management • Neural networks • Knowledge discovery • Data and text mining • Multimedia mining • Genetic algorithms	
303	AEU-International Journal of Electronics and Communications	• Circuit theory and applications • Analog and digital integrated circuit design • Electronic circuits • Electronic components and devices • Analog, digital, and mixed signal processing building blocks and systems (filters, oscillators, biomedical circuits and systems etc.) • Non-linear circuits and systems • Communication networks design, optimization, and operation • Integrated circuits for communications • Realization of optical communication systems • Realization of microwave, radar, and sonar systems • Realization of antenna systems	6
304	IEEE Instrumentation and Measurement Magazine	• Instrumentation • Measurement • Systems that measure or instrument equipment	3
305	Information Systems	• Design and implementation of languages, data models, process models, algorithms, software and hardware for information systems • Data management issues • Data-related issues • From the fields of data mining/machine learning • Information retrieval coordinated with structured data • Internet and cloud data management • Business process management • Web semantics • Visual and audio information systems • Scientific computing • Data science	1
306	Physical Review Letters	• General physics, including statistical and quantum mechanics and quantum information • Gravitation, astrophysics, and cosmology • Elementary particles and fields • Nuclear physics • Atomic, molecular, and optical physics • Nonlinear dynamics, fluid dynamics, and classical optics • Plasma and beam physics • Condensed matter and materials physics • Polymers, soft matter, biological, climate and interdisciplinary physics, including network	6
307	Lithuanian Mathematical Journal	• Probability theory and statistics • Differential equations (theory and numerical methods)	5

JID	Journal Name	Aims and Scopes	xID
		• Number theory • Financial and actuarial mathematics, econometrics	
308	Knowledge-Based Systems	• Big data techniques and methodologies, data-driven information systems, and knowledge acquisition • Cognitive interaction and intelligent human interfaces • Recommender systems and E-service personalization • Intelligent decision support systems, prediction systems and warning systems • Computational and artificial intelligence-based systems and uncertain information processes • Swarm intelligence and evolutionary computing • Knowledge engineering, machine learning-based systems and web semantics	1
309	Journal of Information Science and Engineering (JISE)	• Artificial Intelligence • Big Data & Cloud Computing • Audio, Speech, and Language Processing • Computer Architecture & Hardware Design • Computer Networks & Wireless Communication • Computer Security & Cryptography • Computer Vision & Pattern Recognition • Computer Systems • Data Mining & Analysis • Databases & Information Systems Evolutionary Computation • Fuzzy Systems • Human-Computer Interaction • Image Processing • Information Retrieval • Machine Learning • Multimedia • Natural Language Processing • Real-time & Embedded Systems • Sensor Networks • Signal Processing • Software Systems	6
310	Applied Economics	• Application of economic analysis to specific problems in both the public and private sectors • Contributions which make use of the methods of mathematics, statistics and operations research	1
311	Computers and Electronics in Agriculture	• Agronomy, horticulture (in both its food and amenity aspects), forestry, aquaculture, animal/livestock science, veterinary medicine, and food processing	2
312	Cochrane Database of Systematic Reviews	• Any topic relevant to health care, including health services	2

313	Circulation	• Manuscripts, review articles, and other content related to cardiovascular health and disease including
		  • Observational studies
		  • Clinical trials
		  • Epidemiology
		  • Health services and outcomes studies
		  • Advances in basic and translational research
			1

314	Smart Materials and Structures	• Intelligent systems, sensing and actuation, adaptive structures, and active control.	2
315	Netherlands Journal of Medicine	• Medicine • Internal medicine	3
316	International Journal of Infectious Diseases	• Epidemiology • Clinical diagnosis	3

JID	Journal Name	Aims and Scopes	xID
		• Treatment and control of infectious diseases with particular emphasis placed on those diseases that are most common in less-developed countries • Original clinical and laboratory-based research, together with reports of clinical trials, reviews and some case reports	
317	International Journal of Production Research	• Business, Management and Accounting • Strategy and Management • Manufacturing strategy, policy formulation and evaluation, and the contribution of technological innovation • Techniques developed in computer and mathematical sciences used in the design, measurement or operation of production systems	6
318	Genome Medicine	• Important advances in the application of genetics, genomics and multi-omics to understand, diagnose and treat disease	3
319	Science Translational Medicine	• Investigative studies of human biology with an emphasis on disease, including small clinical trials • Research on models of human disease with significant implications for disease treatment • Focus, Perspectives and Reviews that discuss medically related research from a basic science and a clinical point of view • Commentary on policy, funding, education and regulatory issues in translational medicine • Survey of recent noteworthy findings from other publications • Special issues that feature comprehensive reviews and analyses of current topics in translational medicine	5

320	Transportation Research Record	• All modes of passenger and freight transportation covering a wide array of disciplines, including:
		  • Policy
		  • Planning
		  • Administration
		  • Economics and financing
		  • Operations
		  • Construction
		  • Design
		  • Maintenance
		  • Safety
			3

321	Photonic Network Communications	• Computer Communication Networks • Electrical Engineering • Characterization and Evaluation of Materials	2
322	Transportation Research Part D-Transport and Environment	• All aspects of the interaction between transportation and the environment, from localized to global impacts. • Impacts on travel behavior, air quality, ecosystems, global climate, public health, land use, economic development, and quality of life	2
323	International Journal of Clothing Science and Technology	• All aspects of the science and technology of clothing-objective measurement techniques • Control of fibre and fabric • CAD systems • Product testing • Sewing, weaving and knitting • Inspection systems • Drape and finishing, etc	2
324	Chemical Society Reviews	• Chemical sciences	6
325	Informatica	• Mathematical simulation and optimization • Recognition and control • Programming theory and systems	3

JID	Journal Name	Aims and Scopes	xID
		• Automation systems and elements	
326	Tsinghua Science and Technology	• Scientific achievements with high creativity and great significance in computer and electronic engineering	5
327	Autonomous Agents and Multi-Agent Systems	• Agent decision-making architectures and their evaluation • Cooperation and teamwork • Organizational structuring and design for multi-agent systems • Multi-agent planning and planning for multi-agent systems • Coordination of multi-agent plans and activities. • Computational auction systems • Computational market systems • Algorithmic/automated mechanism design • Automated negotiation • Computational aspects of game theory • Computational social choice theory • Knowledge representation and reasoning • Autonomous agents and multi-agent systems. • Agent programming languages • Distributed constraint processing • Distributed constraint optimization. • Multi-agent argumentation and dialogue • Conflict detection and resolution. • Multi-agent learning • Co-learning, and evolutionary approaches in multi-agent systems • Learning agents • Agent communication languages • Conventions, commitments, norms, obligations, and social laws in multi-agent systems, and models of trust and reputation • Believable and synthetic agents and characters • Human-agent interaction. • Environments, testbeds, and programming languages for experimentation with, and analysis of, agent systems. • Ontologies for agent systems • Agents and the semantic web • Agents and semantic web services • Grid-based systems • Service-oriented computing. • Robotic agents • Agents as a software engineering paradigm • Exploration of relationships between agents and other disciplines • Significant, novel applications of agent technology • Comprehensive reviews and authoritative tutorials of research and practice in agent systems • Comprehensive and authoritative reviews of books dealing with agents and multi-agent systems	6
328	Textile Research Journal	• Design, development and measurement of natural and synthetic polymeric materials, fibers, engineered fabrics and textiles, including polymer mixtures and additives • The fabrication, developments in production processes, machinery, manufacture and testing of fibrous structures and fabricated products • Chemical applications to, and modifications of, fibers and fiber substrates, including dyeing (coloring), finishing and waste reduction • The management of product design, sourcing, economics, production, distribution and	1

JID	Journal Name	Aims and Scopes	xID
		consumption systems	
329	European Journal of Operational Research	• Continuous optimization • Discrete optimization • Production, manufacturing and logistics • Stochastics and statistics • Decision support • Computational intelligence and information management • Interfaces with other disciplines	3
330	Review of Economic Studies	• Theoretical and applied economics.	2
331	Theoretical computer science	• Algorithms, automata, complexity and games • Logic, semantics and theory of programming • Natural Computing	5
332	Thinking Skills and Creativity	• The theories, practices and possibilities of creativity and thinking skills	6
333	Journal of Clinical Nursing (JCN)	• Development of clinical research, evaluation, evidence-based practice and scientific enquiry • Patient and family experiences of health and health care; illness and recovery • Nursing research to enhance patient safety and reduce harm to patients • The nature of nursing need, intervention, social interaction and models of service delivery • Clinical nursing leadership • Examination of clinical decision-making • Exploration of organisational or systemic factors that enhance or impede the provision of effective, high-quality nursing care • Application and dissemination of clinical knowledge and theory • Role development and inter-disciplinary working, exploring the scope and changing boundaries of clinical nursing • Cultural comparisons and evaluations of nursing practice in different health sectors, social and geographical settings.	1
334	Teaching of Psychology	• Teaching and learning • Studies of teacher characteristics and student learning • Reviews for class use • Student, course, or teacher assessments • Discussions of professional challenges • Critical thinking exercises • Curriculum designs • Demonstrations and laboratory projects • News	6
335	Biomedical Signal Processing and Control	• Research on the use of methods and devices in clinical diagnosis, patient monitoring and management	5
336	Journal of The Korean Statistical Society	• Theory and methodology of statistics and probability • Applications of statistical methodology • Overview of current topic of statistical research with judgements about promising directions for future work	1
337	World's Poultry Science Journal	• Poultry science and an international forum for the exchange and dissemination of information	5
338	Energy Policy	• The policy implications of energy supply and use from their economic, social, planning and environmental aspects. • Energy and environmental regulation • Energy supply security • The quality and efficiency of energy services	6

JID	Journal Name	Aims and Scopes	xID
		• The effectiveness of market-based approaches and/or governmental interventions • Technological innovation and diffusion • Voluntary initiatives where the broader policy implications can be recognised	
339	Computers & Industrial Engineering	• The state-of-the-art of computer applications in various industrial engineering • Research in the utilization of computers in industrial engineering education	5
340	Biomedical Engineering Online	• Using tools of the physical sciences to advance and understand problems in the biological and medical sciences	2
341	Stochastic Processes and Their Applications	• Theory and applications of stochastic processes • Concepts and techniques, and is oriented towards a broad spectrum of mathematical, scientific and engineering interests. • Characterization, structural properties, inference and control of stochastic processes	1
342	Lancet	• Health and advance human progress	6
343	Environmental Modelling and Software	• Generic frameworks • Disciplines and sectors or apply across a range • Model development • model evaluation • process identification and applications in diverse sectors of the • Limitations of the modelling • Methods • Model application and/or the systems modelled • Development and application of environmental software • Information and decision support systems • Real-world applications of software technologies • Particularly state-of-the-art environmental software • Complex requirements • Conflicting user perspectives • Evolving data structures • Software usability • Reliability • Verification and validation with quantitative results • Development and maintenance costs • Adoption and penetration of the software • Licensing issues and open source access • Integrated modeling • Assessment and management of environmental systems • Relevant policy • Institutional analysis • Public participation principles and methods • Decision making methods • Model integration • Quality assurance and evaluation of models • Data and procedures	2
344	Advances in Electrical and Computer Engineering	• Electrical engineering • Electrotechnics • Electric machines modeling and design • Control of electric drive systems • Non-conventional energy conversion • Sensors • Electronics • Communications	3

JID	Journal Name	Aims and Scopes	xID
		• Data transmission • Energy converters • Transducers modeling and design • Electro-physics • Nanotechnology • Computer science • Artificial intelligence • Pattern recognition • Knowledge engineering • Process control theory and applications • Distributed systems • Computer networks and software engineering	
345	SIAM Journal on Optimization	• Analysis and partial differential equations • Applied geometry • Applied mathematics education • Classical applied mathematics • Computational science and numerical analysis • Control and systems theory • Data science • Discrete mathematics and theoretical computing • Dynamical systems, nonlinear waves • Financial mathematics and engineering • Geosciences and mathematics of planet earth • Imaging science • Life sciences • Linear algebra • Mathematical aspects of materials science • Optimization • Uncertainty quantification	3
346	Games and Economic Behavior	• Cover a wide range of subjects in social, behavioral, mathematical and biological sciences, and game theoretic methodologies draw on a large variety of tools from those sciences	2
347	Southern Economic Journal	• Economics, Econometrics and Finance	3
348	The Gerontologist	• Conceptual framework and testable hypotheses	5
349	Journal of Industrial Textiles	• Technology, processing, methodology, modelling and applications in technical textiles, • Nonwovens, coated and laminated fabrics, textile composites and nanofibers	6
350	Journal of Mathematics and Music	• Mathematical modelling and computation in music theory • Mathematical approaches to musical structures and processes	5
351	IEEE Transactions on Antennas and Propagation	• Antennas, including analysis, design, development, measurement, and testing • Radiation, propagation, and the interaction of electromagnetic waves with discrete and continuous media • Applications and systems pertinent to antennas, propagation, and sensing, such as applied optics • Millimeter- and sub-millimeter-wave techniques • Antenna signal processing and control • Radio astronomy • Propagation and radiation aspects of terrestrial and space-based communication, including wireless, mobile, satellite, and telecommunications	6
352		• New statistical methods	5

JID	Journal Name	Aims and Scopes	xID
	Statistics & Probability Letters	• Theoretical results • Innovative applications of statistics and probability to other scientific disciplines	
353	Nonlinear Analysis-Modelling and Control	• Nonlinear phenomena and processes in any field of science and technology	6
354	New Generation Computing	• Learning: Foundations and Models of Learning, Computational Learning Theory, Grammatical Inference, Inductive Logic Programming, Statistical Learning Methods, Bayesian Networks, Reinforcement Learning • Data Mining: Frequent pattern mining, Stream Data Mining, Graph and Network mining, Relational Data Mining, Text and Web Mining, Statistical methods for Data Mining, Machine learning methods for Data Mining, Visualization methods for Data Mining • Cognitive Computing: Modeling Human Knowledge, Modeling Human Problem Solving and Learning, Semantic Computing, Modeling and Analyzing Decision Making, Cognitive Architecture, Artificial General Intelligence, Human Level AI. • Programming and Semantics: Foundations and Models of Computation, Computational Logic, Programming Systems, Declarative Programming, Concurrency and Parallelism, Quantum Computing • Control Theory of Bio- and Nano-systems: Formal Models of Molecular Systems, Computation by Token-based Systems, Non-Boolean Representations of Signals in Nature, Cellular Automata Based on Mechanisms Found in Nature • Bio/Nano/Molecular Computing and Engineering: Molecular Robotics & Artificial Cells, DNA Nanoengineering, Molecular Computing/Programming, Self-organizing Systems. • Skill Science and Philosophy: Skills and Knowledge in Life, Communication and Social Skills, Learning of Embodied Skills and Knowledge, “Kansei" and Value Creation, Sports Science, Measurement and Analysis of Body Movements, Systems Theory of Body, Cognitive Approach of Skill Science, Subjective Verbalization of Proprioceptive Sense, Co-evolution of Body and Language, Symbol Grounding, Symbol Generation • Computational Social Science: Social Media, Web Services, Web Mining, Social Studies, Semantic Web, Crowdsourcing, Social Systems, Social Simulation, Virtual Lab	1

355	Journal of Inequalities and Applications	• Original research results and survey articles related to inequalities, such as:
		  • Inequalities in analysis
		  • Inequalities in approximation theory
		  • Inequalities in combinatorics
		  • Inequalities in economics
		  • Inequalities in geometry
		  • Inequalities in mechanics
		  • Inequalities in optimization
		  • Inequalities in stochastic analysis and applications
			3

356	European Radiology	• Strong original articles and state-of-the-art reviews written by leading radiologists	1

357	Complexity	• Concepts relevant to Complexity include:
		  • Adaptability, robustness, and resilience
		  • Complex networks
		  • Criticality
		  • Evolution and emergent behaviour
		  • Nonlinear dynamics
		  • Pattern formation
		  • Self-organization
		• Methods used within the scientific study of complex systems frequently include:
		  • Agent-based modelling
		  • Analytical methods
		  • Cellular automata
		  • Computational methods
		  • Data science
		  • Game theory
			2

JID	Journal Name	Aims and Scopes	xID
		• Machine learning • Statistical mechanics • Applications of complex systems may be related to the following disciplines, among others: • Computational social science • Digital epidemiology • Ecology • Economics • Engineering • Socio-technical systems • Statistical linguistics • Systems biology • Urban systems	
358	Electronics Letters	• Antennas and Propagation • Metamaterials and Metasurface Antennas • Antenna Design and Testing • Wearable/Implantable Antennas • Wave Propagation and Detection • Radiofrequency Identification • Biomedical and Bioinspired Technologies, Signal Processing and Applications • Healthcare Technologies • Biomedical Signal and Image Processing • Medical Instrumentation • Robotics for Healthcare Applications • Synthetic Biology • Biometrics • Control Engineering • Control Theory, Engineering and Practice • Robotic Control and Navigation • Control Networks and Algorithms • Support Vector Machines and Learning Systems • Motor and Robust Control • Electromagnetism: Theory, Materials and Devices • Magnetic Materials and Devices • Dielectric Materials and Devices • Superconducting Circuits and Systems • Electromagnetic Compatibility and Interference • Electromagnetic Theory and Wave Propagation • Electromagnetic Device Simulation and Measurement • Electronic Circuits and Systems • Organic and Inorganic Circuits and Devices • Analog and Digital Circuits • Cryptographic Circuits • Embedded and CMOS Integrated Circuit Systems • Circuit Theory and Modelling • Image, Video and Vision Processing and Applications • Display Technologies • Computer, Machine and Robot Vision • Human Visual System • Image Sensors • Color Coding and Analysis • Neural and Deep Learning Networks for Image and Video Processing • Information, Computing and Communications • Artificial Intelligence and Machine Learning	5

JID	Journal Name	Aims and Scopes	xID
		• Information and Graph Theory • Computing, Programming and Coding • Cyber Security • Communication Theory and Network Management • QPSK and Queueing Theory • Instrumentation and Measurement • Acoustical Engineering • Sensors • Automated Equipment and Measurement Processes • Industrial Device Applications • Microwave Technology • Microwave, Radio and Terahertz Circuits, Systems and Devices • Substrate Integrated Waveguides • Waveguide and Microwave Circuit Components • Micro and Nanotechnology • 'Lab-on-a-chip' Systems • Micro and Nanoscale Devices and Structures • Microelectronics and MEMS • Fabrication and Modelling of Micro and Nano-systems • Optical Communications • Optical Computing, Logic and Signal Processing • Optical Sensors • Fibre Optic Communication, Theory and Devices • Free-Space Optical Communications • Photonics and Opto-Electronics • Laser Design, Testing, Measurement and Applications • Optical Integrated Circuits and Components • Wave Control: Filters and Gratings • Photodetectors • Power Electronics, Energy and Sustainability • Smart Grid and Power Distribution • Energy Harvesting and Storage • Power Circuits and Devices • Photovoltaic and Renewable Power Systems • Radar, Sonar and Navigation • Transport and Traffic Management • Remote Sensing • Autonomous Vehicles • Target Tracking and Navigation • Radar and Sonar Image and Signal Processing • Semiconductor Technology • Lithography and Device Fabrication Techniques • Semiconductor Device Testing and Characterization • Semiconductor Circuit Components • Semiconductor Materials Production and Testing • Signal Processing • Speech and Audio Processing and Translation • Analogue and Digital Signal Processing • Processing Theory • Time-frequency Analysis and Signal Transforms • Wireless Communications • MIMO • Wireless Networks • Channel Fading and Optimization	

JID	Journal Name	Aims and Scopes	xID
		• Cognitive Radio • User Access, Management and Security	
359	Industrial and Engineering Chemistry Research	• Undamental research (in such areas as thermodynamics, transport phenomena, chemical reaction kinetics and engineering, catalysis, separations, interfacial phenomena, and materials) • Design and development (for example, synthesis and design methods, systems analysis, process control, schemes for data correlation, modeling and scale-up procedures, etc.) • Chemical and engineering aspects (for example, catalysts, plastics, elastomers, fibers, adhesives, coatings, paper, membranes, lubricants, ceramics, aerosols, etc.)	1
360	Canadian Water Resources Journal	• watershed planning and management, water economics, water policy, hydrological science, statistical hydrology, eco-hydrology, water quality, irrigation and drainage, and water education with a focus on Canada.	6
361	Measurement	• Measurement and metrology fundamentals • Sensors • Measurement instruments • Measurement and estimation techniques • Measurement data processing and fusion algorithms • Evaluation procedures and methodologies for plants and industrial processes • Performance analysis of systems • Processes and algorithms • Mathematical models for measurement-oriented purposes • Distributed measurement systems in a connected world	3
362	Science China-Physics Mechanics and Astronomy	• Physics • Mechanics and astronomy	2
363	Energies	• Energy Fundamentals • Primary Energy Sources • Secondary Energy Sources and Energy Carriers • Energy Exploration and Exploitation Intermediate and Final Energy Use • Energy Conversion Systems • Energy Policy • Exergy • Energetics • Energy Research and Development	6
364	Scientific Reports	• Scientific Reports publishes original research in all areas of the natural and clinical sciences	2
365	Journal of Zhejiang University-Science B	• Biomedicine and Biotechnology and Biochemistry • Topics related to life science subjects, such as Plant and Animal Sciences, Environment and Resource etc	2
366	ACM Transactions on Computer Systems	• Presents research and development results on the design, specification, realization, behavior, and use of computer systems. • Systems architectures, operating systems, distributed systems, and computer networks	2
367	Journal of The American Medical Informatics Association	• The full spectrum of activities in the field of biomedical and health informatics including: • Of clinical care • Clinical research • Translational science • Implementation science • Imaging • Education • Consumer health • Public health	3

JID	Journal Name	Aims and Scopes	xID
		• Policy	
368	Journal of Process Control	• Control applications • Process monitoring • Plant-wide control • Process control systems • Control techniques and algorithms • Process modelling and simulation • Design methods	5
369	Tunnelling and Underground Space Technology	• Geo-investigation • Geomechanics analysis, design and modelling, construction and monitoring • Maintenance and rehabilitation of tunnels and large underground and earth-sheltered structures. • Planning, development, and operation of underground space and underground space environment such as architecture, safety and comfort, and human-space interaction. • Installation and rehabilitation of underground pipelines, ducts, and cables using pipe jacking, microtunnelling, and other forms of trenchless technologies	6
370	CIRP Annals-Manufacturing Technology	• Assembly, Cutting, Design, Electro-Physical and Chemical Processes, Forming, Abrasive processes, Surfaces, Machines, Production Systems and Organizations, Precision Engineering and Metrology, Life-Cycle Engineering, Microsystems Technology (MST), Nanotechnology	1
371	Scientific Data	• Descriptions of data systems, their implementations and their publication, applications, infrastructures, software, legal, reproducibility and transparency issues • The availability and usability of complex datasets • Particular focus on the principles, policies and practices for open data	5
372	Technological Forecasting and Social Change	• Methodology and practice of technological forecasting and future studies as planning tools as they interrelate social, environmental and technological factors	1
373	International Journal of Automotive Technology	• Thermal engineering • Flow analysis • Structural analysis • Modal analysis • Control • Vehicular electronics • Mechatronis • Electro-mechanical engineering • Optimum design methods • ITS • Recycling	2
374	International Journal on Semantic Web and Information Systems	• Beyond semantic web (e.g., extending meaning with perception and experience) • Enterprise application integration • From e-government to e-democracy • Integration with other disciplines • Intelligent systems • Metadata-driven (bottom-up) versus ontology-driven (top-down) sw development • New semantic web enabled business models • New semantic web enabled information systems • New semantic web enabled tools for the citizen/ learner/ organization/ business • Ontologies, folksonomies, and associated knowledge representation issues • Real world applications towards the development of the knowledge society • Semantic enabled business intelligence • Semantic web applications on the web, enterprises, desktops, personal and mobile devices, e-science and e-government applications, and associated issues of provenance, trust, privacy, security, quality,	3

JID	Journal Name	Aims and Scopes	xID
		scalability, and performance • Semantic web data management • Semantic web issues, challenges, and implications in each of the is research streams • Semantics and human computer interfaces including visualization and mashups • Semantics in business processes and distributed computing and services • Social semantic web and people web • Standards	
375	Utilities Policy	• Industry structures and ownership • Market design and dynamics • Economic development • Resource planning • System modeling • Accounting and finance • Infrastructure investment • Supply and demand efficiency • Strategic management and productivity • Network operations and integration • Supply chains • Adaptation and flexibility • Service-quality standards • Benchmarking and metrics • Benefit-cost analysis • Behavior and incentives • Pricing and demand response • Economic and environmental regulation • Regulatory performance and impact • Restructuring and deregulation • Policy institutions	3
376	Nonlinear Dynamics	• All nonlinear dynamic phenomena associated with mechanical, structural, civil, aeronautical, ocean, electrical and control systems • Perturbation and computational methods • Symbolic manipulation • Dynamic stability • Local and global methods • Bifurcations • Chaos • Deterministic and random vibrations • Lie groups • Multibody dynamics • Robotics • Fluid-solid interactions • System modelling and identification • Friction and damping models • Signal analysis • Measurement techniques	6
377	IEEE Intelligent Transportation Systems Magazine (ITSM)	• Innovative research ideas and application results, report significant application case studies, and raise awareness of pressing research and application challenges in all areas of intelligent transportation systems • High quality tutorials, surveys, successful implementations, technology reviews, lessons learned, policy and societal impacts, and ITS educational issues	1

JID	Journal Name	Aims and Scopes	xID
378	Environmental Science and Pollution Research	• Environment, general • Environmental Chemistry • Ecotoxicology • Environmental Health • Atmospheric Protection/Air Quality Control/Air Pollution • Waste Water Technology / Water Pollution Control / Water Management / Aquatic Pollution	2
379	Frontiers in Microbiology	• Identify the rules by which microorganisms interact with co-evolving viruses and macroorganisms in health and disease • Strategies to mitigate the detrimental effects of anthropogenic activities on the abundance, diversity, distribution and activity of microbial communities	6
380	Information Fusion	• Data/Image, Feature, Decision, and Multilevel Fusion • Multi-classifier/Decision Systems • Multi-Look Temporal Fusion • Multi-Sensor, Multi-Source Fusion System Architectures • Distributed and Wireless Sensor Networks • Higher Level Fusion Topics Including Situation Awareness and Management • Multi-Sensor Management and Real-Time Applications • Adaptive and Self-Improving Fusion System Architectures • Active, Passive, And Mixed Sensor Suites • Multi-Sensor and Distributed Sensor System Design • Fusion Learning in Imperfect, Imprecise and Incomplete Environments • Intelligent Techniques for Fusion Processing • Fusion System Design and Algorithmic Issues • Fusion System Computational Resources and Demands Optimization • Special Purpose Hardware Dedicated to Fusion Applications • Mining Remotely Sensed Multi-Spectral/Hyper-Spectral Image Data Bases • Information Fusion Applications in Intrusion Detection, Network Security, Information Security and Assurance arena • Applications such as Robotics, Space, Bio-medical, Transportation, Economics, and Financial Information Systems • Real-World Issues such as Computational Demands, Real-Time Constraints in the context of Fusion systems.	2

381	Methods in Ecology and Evolution	• Any area of ecology and evolution, including:
		  • Phylogenetic analysis
		  • Statistical methods
		  • Conservation and management
		  • Theoretical methods
		  • Practical methods, including lab and field
			3

382	Chinese Journal of Electronics	• Computers and microelectronics • Signal processing • Telecommunications • Microwave and electronic system engineering	5
383	Distributed Computing	• Design and analysis of distributed algorithms • Multiprocessor and multi-core architectures and algorithms • Synchronization protocols and concurrent programming • Distributed operating systems and middleware • Fault-tolerance, reliability and availability • Architectures and protocols for communication networks and peer-to-peer systems • Security in distributed computing, cryptographic protocols • Mobile, sensor, and ad hoc networks • Internet applications • Concurrency theory	3

JID	Journal Name	Aims and Scopes	xID
		• Specification, semantics, verification, and testing of distributed systems	
384	Journal of Sport and Health Science	• Sport medicine • Sport and exercise physiology • Public health promotion • Biomechanics • Sport and exercise biochemistry and nutrition • Sport and exercise psychology • Motor behavior • Coaching • Physical education • Traditional Chinese sports and wellbeing • Growth and maturation	2
385	Journal of Systems Engineering and Electronics	• System analysis • System modeling • Simulation • Military system analysis • Aircraft control • C3I • Radar • Information systems engineering • Machine intelligence • Artificial neural networks • Information acquisition and processing • Aerospace electronics • Electronics technology • Defence electronics technology • Systems engineering • Control theory and application • Software algorithm and simulation • Reliability	6

386	Journal of The Association for Information Science and Technology	• The tools and techniques associated to information for:
		  • Production
		  • Discovery
		  • Recording
		  • Storage
		  • Representation
		  • Retrieval
		  • Presentation
		  • Manipulation
		  • Dissemination
		  • Use
		  • Evaluation
			3

387	IEEE Transactions on Magnetics	• Science and technology related to the basic physics and engineering of magnetism, magnetic materials, applied magnetics, magnetic devices, and magnetic data storage	1
388	Critical Care Medicine	• Scientific publication in critical care medicine • All aspects of acute and emergency care	1
389	IEEE Transactions on Information Forensics and Security	• Sciences • Information forensics • Information security • Biometrics • Surveillance and systems applications	2

JID	Journal Name	Aims and Scopes	xID
390	Physica A-Statistical Mechanics and Its Applications	• Random systems • Fluids, granular and soft matter • Dynamical processes • Fundamental and general methods • Models • Biological, ecological and evolutionary systems • Econophysics • Other interdisciplinary applications • Other complex systems • Networks • Systems biology • Classical and quantum information	3
391	Autonomous Robots	• Control of autonomous robots • Real-time vision • Autonomous wheeled and tracked vehicles • Legged vehicles • Computational architectures for autonomous systems • Distributed architectures for learning, control and adaptation • Studies of autonomous robot systems • Sensor fusion • Theory of autonomous systems • Terrain mapping and recognition • Self-calibration and self-repair for robots • Self-reproducing intelligent structures • Genetic algorithms as models for robot development	3
392	Archives of Pathology and Laboratory Medicine	• BioMedical • Life Sciences	1

393	Journal of Neuro Engineering and Rehabilitation	• All aspects of research that result from cross-fertilization of the fields of:
		  • Neuroscience
		  • Biomedical engineering
		  • Physical medicine and rehabilitation
			3

394	Acta Informatica	• Semantics of programming languages • Models and modeling languages for concurrent, distributed, reactive and mobile systems • Models and modeling languages for timed, hybrid and probabilistic systems • Specification, program analysis and verification • Model checking and theorem proving • Modal, temporal, first- and higher-order logics, and their variants • Constraint logic, SAT/SMT-solving techniques • Theoretical aspects of databases, semi-structured data and finite model theory • Theoretical aspects of artificial intelligence, knowledge representation, description logic • Automata theory, formal languages, term and graph rewriting • Game-based models, synthesis • Type theory, typed calculi • Algebraic, coalgebraic and categorical methods • Formal aspects of performance, dependability and reliability analysis • Foundations of information and network security • Parallel, distributed and randomized algorithms • Design and analysis of algorithms • Foundations of network and communication protocols	2
395	Journal of Software Evolution and Process	• Conceived, justified, created, managed, maintained of software, systems and enabled services	5

JID	Journal Name	Aims and Scopes	xID
		• Integrated and deal new underlying technologies • Developed, tested, modified, and evolved new platforms and architectures to create the variety of applications needed now • New processes and tools can be utilised in all phases of the development lifecycle to conceive, justify, create, modify and evolve these new technologies, platforms, systems and services • Reverse engineered and used high-level representations of existing software, systems and services • Managed globally dispersed projects • Deployed and managed new models of collaboration and participation • Models for estimate costs and predict performance of projects and process changes • Improve organizational capability and maturity • Managed the technical, schedule, budgetary and other risks associated with developing • Improve organizational capability and maturity • Evaluations can contribute to organizations • Improve processes associated with software, systems and services • The new business models that are needed for the software, systems, and services • Managed process changes efforts impacting systems and services • Justification, sourcing and technical development decisions • Impacts of agile development and management of new software	
396	IEEE Transactions on Semiconductor Manufacturing	• Process integration • Manufacturing equipment performance and modeling • Yield analysis and enhancement, metrology • Process control, material handling • Factory systems and all areas of factory and supply chain management related to the semiconductor industry including materials synthesis, equipment manufacturing, and mask making	1

397	Transportation Research Part C-Emerging Technologies	• The impacts of emerging technologies on transportation system performance including:
		  • Intermodal transportation
		  • Intelligent transportation systems
		  • Real-time operations
		  • Logistics
		  • Resource management
		  • Consumer/traveler adoption, acceptance and usage of new technologies
		  • Infrastructure applications of emerging technologies
			3

398	Journal of Business Research	• Business decisions • Processes and activities within the actual business setting • Theoretical and empirical advances in buyer behavior • Finance • Organizational theory and behavior • Marketing • Risk and insurance • International business	5
399	Frontiers of Computer Science	• Architecture • Software • Artificial intelligence • Theoretical computer science • Networks and communication • Information systems • Multimedia and graphics • Information security • Interdisciplinary	5

JID	Journal Name	Aims and Scopes	xID
400	Journal of Clinical Virology	• Any field of virological	6
401	Information Economics and Policy	• The economics of the telecommunications, mass media, and other information industries • The economics of innovation and intellectual property • The role of information in economic development • The role of information and information technology in the functioning of markets	5

402	International Transactions in Operational Research	• International problems
		  • Fisheries management
		  • Environmental issues
		  • Global competitiveness
		• International work done by major OR figures
		• Studies of worldwide interest from nations with emerging OR communities
		• National or regional OR work which has the potential for application in other nations
		• Technical developments of international interest
		• Specific organizational examples that can be applied in other countries
		• National and international presentations of transnational interest
		• Broadly relevant professional issues, such as those of ethics and practice
		• Applications relevant to global industries
		  • Operations management
		  • Manufacturing
		  • Logistics
			5

403	Computer Aided Surgery	• Biomedical imaging and instrumentation • Digital technology • Imaging in diagnosis, therapeutics, and surgery • Conventional stereotactic procedures • Surgery guided by intraoperative ultrasound • Magnetic resonance imaging • Image guided focused irradiation • Robotic surgery • Any therapeutic interventions performed with the use of digital imaging technology	2
404	Ocean Science Journal	• Physical oceanography • Biological oceanography/marine biology • Chemical oceanography/marine chemistry • Geological oceanography/marine geology • Marine pollution	3
405	IEEE Microwave Magazine	• Current newsletter contents, including the President's message, committee reports, and conference and meeting schedules • Conference and meeting schedules and reports, of the IEEE Microwave Theory and Techniques Society	5
406	IEEE Intelligent Systems	• Knowledge-based systems • Intelligent software agents • Natural-language processing • Technologies for knowledge management • Machine learning • Data mining • Adaptive and intelligent robotics • Knowledge-intensive processing on the Web • Social issues relevant to intelligent systems • Application features, covering practice at one or more companies or laboratories • Full-length product stories	6
407		• Fourier analysis	5

JID	Journal Name	Aims and Scopes	xID
	Journal of Fourier Analysis and Applications	• Signal, image and speech processing • Abstract harmonic analysis • Approximations and expansions • Partial differential equations • Mathematical methods in physics	
408	Nano Letters	• Synthesis • Assembly, and properties of patterned materials on the nanometer scale	2
409	ACM Journal on Emerging Technologies in Computing Systems	• Logic Primitive Design and Synthesis • System-Level Specification, Design and Synthesis • Software-Level Specification, Design and Synthesis Mixed-Technology Systems	3
410	Mathematics of Operations Research	• Mathematical and computational foundations in the areas of continuous, discrete and stochastic optimization • Mathematical programming • Dynamic programming • Stochastic processes • Stochastic models • Simulation methodology • Control and adaptation • Networks • Game theory and decision theory • Innovative and mathematical theories of inventory • Manufacturing and distribution • Organization, finance and marketing • Routing, queuing and scheduling • Data and storage management • Location, reliability, search, measurement and service • Artificial intelligence • Machine learning	5
411	Theory and Decision	• Preference and belief modeling • Experimental decision-making under risk or uncertainty • Decision analysis • Multi-criteria decision modeling • Game theory • Negotiation theory • Collective decision making • Social choice • Artificial intelligence • Rationality • Cognitive processes • Interactive decision-making • Methodology of the decision sciences	5

JID	Journal Name	Aims and Scopes	xID
412	Physiological Measurement	• Applied physiology in illness and health • Electrical bioimpedance, optical and acoustic measurement techniques • Advanced methods of time series and other data analysis • Biomedical and clinical engineering • In-patient and ambulatory monitoring • Point-of-care technologies • Novel clinical measurements of cardiovascular, neurological, and musculoskeletal systems • Novel clinical measurement of flows and pressures in lung, heart and blood vessels • Measurements in molecular and cellular and organ physiology and electrophysiology • Physiological modeling and simulation • Novel biomedical sensors, instruments, devices and systems • Measurement standards and guidelines	6

413	Ksii Transactions on Internet and Information Systems	• Internet & Communications
		  • Wireless sensor networks/wireless mesh networks
		  • Smartphone applications and services
		  • M2M, D2D, and Cyber-Physical Systmes
		  • Ubiquitous/pervasive computing/WBAN (wireless body area networks)
		  • Cloud Computing
		  • Mobile/vehicular ad-hoc network communications
		  • LTE/WiMax and MIMO/OFDM
		  • Cognitive radio and cooporative communications
		  • Energy-efficient communications and green computing
		• Multimedia
		  • Multimedia signal processing/graphics/vision systems
		  • Multimedia communications
		• Internet Security
		• Network security
			2

JID	Journal Name	Aims and Scopes	xID
414	Medical Image Analysis	• Magnetic resonance • Ultrasound • Computed tomography • Nuclear medicine • X-ray • Optical and Confocal Microscopy • Video and range data images • Representation of pictorial data • Visualization • Feature extraction • Segmentation • Nter-study and inter-subject registration • Longitudinal / temporal studies • Image-guided surgery and intervention • Texture, shape and motion measurements • Spectral analysis • Digital anatomical atlases • Statistical shape analysis • Computational anatomy • Computational physiology • Virtual and augmented reality for therapy planning and guidance • Telemedicine with medical images • Telepresence in medicine • Telesurgery Image-guided medical robots	6
415	Emerging Infectious Diseases	• Medicine • Epidemiology • Infectious Diseases • Microbiology	3
416	Information Retrieval Journal	• Theory, algorithms, analysis and experiments across the broad area of information retrieval • Search, indexing, analysis, and evaluation for applications such as the web, social and streaming media, recommender systems, and text archives • Human factors, artificial intelligence, and domain-specific challenges in information retrieval	6
417	Nuclear Engineering and Technology (NET)	• Reactor Physics • Thermal Hydraulics • Nuclear Safety • Nuclear I&C • Nuclear Physics, Fusion, and Laser Technology • Nuclear Fuel Cycle and Radioactive Waste Management • Nuclear Fuel and Reactor Materials • Radiation Application • Radiation Protection • Nuclear Structural Analysis and Plant Management & Maintenance • Nuclear Policy, Economics, and Human Resource Development	1
418	Journal of Optical Communications and Networking	• The architecture and design of optical networks • Optical network survivability and security • Software-defined optical networking • Elastic optical networks • Data and control plane advances • Network management related innovation	5

JID	Journal Name	Aims and Scopes	xID
		• Optical access networks	
419	Advanced Engineering Informatics	• Report progress in the engineering discipline of applying methods of engineering informatics • Have engineering relevance and help provide the scientific base to make engineering decision-making more reliable, spontaneous and creative • Contain novel research that demonstrates the science of supporting knowledge-intensive engineering tasks • Validate the generality, power and scalability of new methods through vigorous evaluation, preferably both qualitatively and quantitatively	2
420	Public Health Nutrition	• Epidemiologists and health promotion specialists interested in the role of nutrition in disease prevention • Academics and those involved in fieldwork and the application of research to identify practical solutions to important public health problems	3
421	IEEE Transactions on Power Delivery	• Innovations in electric apparatus for power delivery • Power transmission and distribution components • Apparatus modeling, analysis, implementation and application issues such as power system protection, instrumentation, communication, and grounding • Electromagnetic transients and power quality • Substation automation	3
422	Annals of Noninvasive Electrocardiology	• The clinical application and technology of traditional and new ECG-based techniques in the diagnosis and treatment of cardiac patients. • 12-lead • Exercise and high-resolution electrocardiography • Arrhythmias, ischemia • Repolarization phenomena • Heart rate variability • Circadian rhythms • Bioengineering technology • Signal-averaged ecgs • T-wave alternans and automatic external defibrillation	6
423	Advances in Computational Mathematics	• Computational Mathematics and Numerical Analysis • Mathematical Modeling and Industrial Mathematics • Mathematical and Computational Biology • Computational Science and Engineering • Visualization	5
424	IEEE Network	• Network protocols and architectures • Protocol design and validation • Communication software and its development and test • Network control and signaling • Network management • Practical network implementations including local area networks (LANs), metropolitan area networks (MANs), and wide area networks, (WANs) • Switching and processing in integrated (voice/data) networks and network components • Micro-to-host communication	5
425	Nanoscale Research Letters	• Creation and use of objects at the nanometer scale.	6
426	IEEE Journal of Solid-State Circuits	• Broad area of solid-state circuits with particular emphasis on transistor-level design of integrated circuits • Circuits modeling, technology, systems design, layout, and testing that relate directly to IC design • Integrated circuits and VLSI are of principal interest • Material related to discrete circuit design	1

JID	Journal Name	Aims and Scopes	xID

427	Journal of Cytology	• All aspects of diagnostic cytology including
		  • Fine needle aspiration cytology
		  • Gynecological and non-gynecological cytology
		• Articles on ancillary techniques, like cytochemistry, immunocytochemistry, electron microscopy, molecular cytopathology, as applied to cytological
		• Clinically oriented studies over experimental and animal studies
		• Peer-reviewed original research papers, case reports, systematic reviews, meta-analysis, and debates
			1

428	Journal of Artificial Intelligence Research	• Artificial Intelligence • Agents and multi-agent systems • Automated reasoning • Constraint processing and search • Knowledge representation • Machine learning • Natural language • Planning and scheduling • Robotics and vision, and uncertainty in AI	5
429	International Communications in Heat and Mass Transfer	• New ideas, new measurement techniques, preliminary findings of ongoing investigations, discussions, and criticisms in the field of heat and mass transfer	3

430	Sustainable Computing-Informatics and Systems	• Making computing sustainable - Software systems perspective:
		  • Power-aware software
		  • Code profiling and transformation for power management
		  • Power-aware middleware
		  • Multimedia systems
		  • Scheduling and allocation
		• Computing for sustainability - Use of computing to make the world a sustainable place:
		  • Use of sensors for environmental monitoring
		  • Smart control for eco-friendly buildings
		  • Green Data Centers and Enterprise Computing
		• Re-inventing algorithms and applications for sustainability:
		  • Theoretical aspect of energy, power, and temperature
		  • Power-aware applications
		  • Resource management to optimize performance and power
		  • Power implications for portable and mobile computing
		  • Algorithms for reduced power, energy and heat for high-performance computing
		• Modeling and evaluation of sustainable systems:
		  • Reliability of Power-aware computers
		  • Runtime systems that assist in power saving
		  • Models for collective optimization of power and performance
		  • Monitoring tools for power and performance of parallel and distributed systems
		• Sustainable hardware platforms and devices - Hardware and architecture perspective:
		  • Power aware networking
		  • Real-time systems
		  • Power-efficient architectures
		  • Efficient circuit design for energy harvesting
		  • Power management in memory, disk, storage and other peripheral devices
		  • Configurable and renewable energy
		  • Low power electronics
		  • Embedded systems, ASICs and FPGSs
		  • Power leakage and dissipation
			6

JID	Journal Name	Aims and Scopes	xID
431	International Journal of Thermal Sciences	• Heat and relevant mass transfer at all scales and in all types of materials • Forced, natural or mixed convection in reactive or non-reactive media • Single or multi-phase fluid flow with or without phase change • Near-and far-field radiative heat transfer • Combined modes of heat transfer in complex • Multiscale modelling	6
432	Algorithmica	• VLSI • Distributed computing • Parallel processing • Automated design • Robotics, graphics • Data base design • Software tools • Algorithms in fundamental areas such as sorting, searching • Data structures • Computational geometry • Linear programming	6
433	Journal of Economics	• Mathematical economic theory • Microeconomic theory • Macroeconomic topics • Mathematical economic theory of medium and high-level difficulty • Econometric case studies of general interest	1
434	IEEE Transactions on Communications	• All telecommunications • Space and fixed station services • Repeaters • Radio relaying • Signal storage, and regeneration • Telecommunication error detection and correction • Multiplexing and carrier techniques • Communication switching systems • Data communications • Communication theory	6
435	Knowledge Engineering Review	• Technical tutorials and detailed introductions to an area • Application and country surveys • Commentaries and debates • Book reviews • Abstracts of recent PhDs in artificial intelligence • Summaries of AI-related research projects	2
436	Robotica	• Activities in hostile environments • Applications in the service and manufacturing industries • Biological robotics • Dynamics and kinematics involved in robot design and uses • On-line robots • Robot task planning • Rehabilitation robotics • Sensory perception • Software in the widest sense • Particularly in respect of programming languages and links with CAD/CAM systems • Telerobotics and various other areas • Artificial Intelligence	5
437	IEEE Transactions on Medical	• Imaging of body structure	1

JID	Journal Name	Aims and Scopes	xID
	Imaging (T-MI)	• Morphology and function, including cell and molecular imaging and all forms of microscopy • Medical imaging achieved by modalities including ultrasound, x-rays, magnetic resonance, radionuclides, microwaves, and optical methods • Novel acquisition techniques • Medical image processing and analysis • Visualization and performance • Pattern recognition, machine learning, and related methods	
438	International Journal of Computer Assisted Radiology and Surgery	• Medical imaging, e.g. CT, MR, US, SPECT, PET, DR, molecular imaging, and virtual endoscopy • Image processing and display • 3D, 4D, and 5D imaging • Hospital-wide PACS and telemedicine • Computer applications for e.g. neurosurgery, head and neck, orthopaedics, ear nose and throat, cardiovascular and thoracoabdominal surgery, and plastic/reconstructive surgery • Image-guided therapy • Surgical robotics and instrumentation • Surgical navigation • 3D modeling and rapid prototyping • Postoperative result assessment • Surgical education and training • Haptics and multimodal devices in medical applications • Methods of validation and verification • CAD for breast, prostate, chest, colon, skeletal, liver, brain, and vascular imaging • Cranial and maxillofacial image-guided surgery • Surgical workflow • Surgical DICOM and IHE • Digital operating room	2
439	Electric Power Systems Research	• Generation techniques ranging from advances in conventional electromechanical methods, through nuclear power generation, to renewable energy generation • Transmission, spanning the broad area from UHV (ac and dc) to network operation and protection, line routing and design. • Substation work: equipment design, protection and control systems • Distribution techniques, equipment development, and smart grids • The utilization area from energy efficiency to distributed load levelling techniques. • Systems studies including control techniques, planning, optimization methods, stability, security assessment and insulation coordination	1

440	IEEE Transactions on Automation Science and Engineering	• Scientific results that advance efficiency, quality, productivity, and reliability in industries such as:
		  • Agriculture
		  • Biotechnology
		  • Healthcare
		  • Home automation
		  • Maintenance
		  • Manufacturing
		  • Pharmaceuticals
		  • Retail
		  • Security
		  • Service
		  • Supply chains
		  • Transportation
			3

JID	Journal Name	Aims and Scopes	xID
441	International Journal of Advanced Manufacturing Technology	• Machining and forming technology • Non-traditional material removal processes • Machine tools technology • Materials joining • Laser technology and applications • Micro and nano-fabrication • Robotics, mechatronics and manufacturing automation • Precision engineering, inspection, measurement and metrology • Sustainable and green manufacturing • Additive manufacturing • Computer-integrated manufacturing systems • Application of evolutionary computing techniques in manufacturing operations • Manufacturing planning, optimization and simulation • Smart Manufacturing • Virtual Manufacturing	6
442	Journal of Mathematical Economics	• Economic theory which expresses economic ideas using formal mathematical reasoning	6
443	IEEE-ACM Transactions on Computational Biology and Bioinformatics	• Algorithmic, mathematical, statistical, and computational methods that are central in bioinformatics and computational biology • The development and testing of effective computer programs in bioinformatics • The development of biological databases • Important biological results that are obtained from the use of these methods, programs and databases	2
444	International Journal of Network Management	• Problems in security • Quality of service • Ad hoc networks • Middleware • Integrating wireless LANs into existing operations and grid networking and computing	2
445	Journal of Manufacturing Systems (JMSY)	• Process, production, assembly, factory and production network design and planning • Mass customization and personalization • Flexible, reconfigurable and changeable manufacturing systems • Complexity management • Life cycle of products and systems • Design and operation for sustainability and minimal environmental impact • Energy efficiency in production and logistics • De-manufacturing systems • Global and regional production network and supply chain design • Dynamics, data sharing and control in supply chains and supply chain logistics • Virtual enterprises • Product-service systems • Servitization • Maintainability, serviceability and life-cycle • Service planning and quality • Service automation • Dynamics in production, production networks, assembly and logistics • Robust planning and control; event propagation; non-equilibrium states • Distributed system control • Emergent systems • Reconfigurable control • Robotics human-machine interaction and collaboration • Methods adapted from fields such as biology and sociology • Cyber-physical production systems • Knowledge capture and reuse	1

JID	Journal Name	Aims and Scopes	xID
		• Knowledge management • Big data environments • Machine- machine, machine-system and system-system collaboration • Multi-physics models and simulation • Virtual manufacturing • Systems issues related to additive and subtractive manufacturing, microfluidics, nano-electronics, nano-systems, micro-electromechanical systems, nano-materials, interconnects (nano to meso to macro)	
446	American Economic Association	• High quality outlet for important yet concise contributions to economics, both empirical and theoretical	5
447	Plos One	• Natural sciences, medical research, engineering, as well as the related social sciences and humanities	6
448	IET Intelligent Transport Systems	• Sustainable Traffic Solutions; • Deployments with enabling technologies; • Pervasive Monitoring Applications; • Demonstrations and evaluation; • Economic and behavioural analyses of ITS services and scenarios; • Data Integration and analytics; • Information collection and processing; • Image processing applications in ITS; • ITS aspects of electric vehicles; • Autonomous Vehicles; • Connected Vehicle Systems; • In-vehicle ITS, safety and vulnerable road user aspects; • Mobility as a Service Systems; • Traffic management and control; • Public transport systems technologies; • Fleet and public transport logistics; • Emergency and incident management; • Demand management and electronic payment systems; • Traffic related Air Pollution Management; • Policy and institutional issues; • Interoperability, standards and architectures; • Funding scenarios; • Enforcement; • Human machine interaction; • Education, training and outreach;	6
449	International Journal of Parallel Programming	• Parallel computing systems • Embedded systems to high performance supercomputing • High-level languages • Optimizations • Parallel and distributed systems • Programming support systems • Pragmatic considerations • Architectural characteristics • Software engineering aspects • Advances in parallel algorithms • Performance studies	3

450	Information Sciences	• Foundations of Information Science
		  • Information Theory
		  • Mathematical Linguistics
		  • Automata Theory
			2

JID	Journal Name	Aims and Scopes	xID
		• Cognitive Science • Theories of Qualitative Behavior • Artificial Intelligence • Computational Intelligence • Soft Computing • Semiotics • Computational Biology • Bio-informatics • Implementations and Information Technology • Intelligent Systems • Genetic Algorithms and Modelling • Fuzzy Logic and Approximate Reasoning • Artificial Neural Networks • Expert and Decision Support Systems • Learning and Evolutionary Computing • Expert and Decision Support Systems • Learning and Evolutionary Computing • Biometrics • Moleculoid Nanocomputing • Self-adaptation and Self-organisational Systems • Data Engineering • Data Fusion • Information and Knowledge • Adaptive ad Supervisory Control • Discrete Event Systems • Symbolic / Numeric and Statistical Techniques • Perceptions and Pattern Recognition • Design of Algorithms • Software Design • Computer Systems and Architecture Evaluations and Tools • Human-Computer Interface • Computer Communication Networks and Modelling and Computing with Words • Applications • Manufacturing • Automation and Mobile Robots • Virtual Reality • Image Processing and Computer Vision Systems • Photonics Networks • Genomics and Bioinformatics • Brain Mapping • Language and Search Engine Design • User-friendly Man Machine Interface • Data Compression and Text Abstraction and Summarization • Virtual Reality • Finance and Economics Modelling and Optimization	
451	Computing and Informatics	• Computer architectures and networking • Parallel and distributed computing • Theoretical foundations software engineering • Knowledge and information engineering • Other areas of computing and informatics	6
452	Atmospheric Environment	• Atmospheric relevance of emissions and depositions of gaseous and particulate compounds • Chemical processes and physical effects in the atmosphere	3

JID	Journal Name	Aims and Scopes	xID
		• Impacts of the changing atmospheric composition on human health • Air quality • Climate change • Ecosystems	
453	Nanotechnology	• Nanoscale science and technology • Interdisciplinary nature • Ability to individually address, control, and modify structures • Materials and devices with nanometre precision • The synthesis of such structures into systems of micro- and macroscopic dimensions such as MEMs-based devices • Understanding of the fundamental physics, chemistry, biology • Technology of nanometre-scale objects and how such objects can be used in the areas of computation, sensors, nanostructured materials and nano-biotechnology	1
454	Neural Computing and Applications	• Adaptive computing • Algorithms • Applicable neural networks theory • Applied statistics • Architectures • Artificial intelligence • Benchmarks • Case histories of innovative applications • Fuzzy logic • Genetic algorithms • Hardware implementations • Hybrid intelligent systems • Intelligent agents • Intelligent control systems • Intelligent diagnostics • Intelligent forecasting • Machine learning • Neural networks • Neuro-fuzzy systems • Pattern recognition • Performance measures • Self-learning systems • Software simulations • Supervised and unsupervised learning methods • System engineering and integration	6
455	Journal of The American Heart Association	• Cardiovascular and cerebrovascular health and disease • Observational studies • Clinical trials • Epidemiology • Health services and outcomes studies • Advances in basic and translational research	2

JID	Journal Name	Aims and Scopes	xID
456	Journal of Polymer Science Part B-Polymer Physics	• Theory and simulation • Multiscale modeling • Polymer electronics • Charge carrier transport • Innovative characterization techniques and methodologies • Optically active polymers • Ion transport • Physics and applications of block copolymers • Nanocomposites • Polymers for energy applications • Optoelectronics • Polymeric nanomaterials and nanostructured polymers • Polymers at surfaces and interfaces • Polymeric or polymer-dispersed liquid crystals • Biopolymers and the physics of biological systems • Magnetic and ferroelectric polymers • Electroactive polymers and polymeric actuators • Ionomers • Polyelectrolytes • Polymer electrochemistry • Shape memory polymers • Hydrogels	6
457	Journal of Internet Technology	• Broadband networks • Electronic service systems (internet, intranet, extranet, e-commerce, e-business) • Network management • Network operating system (NOS) • Intelligent systems engineering • Government or staff jobs computerization • National information policy • Multimedia systems • Network behavior modeling • Wireless/satellite communication • Digital library • Distance learning • Internet/www applications • Telecommunication networks • Security in networks and systems • Cloud computing • Internet of things (IoT) • Ipv6 related topics are especially welcome	3
458	Rand Journal of Economics	• The behavior of regulated industries • The economic analysis of organizations • Applied microeconomics • Theoretical and empirical manuscripts in economics and law	1
459	Nature Methods	• Methods for nucleic acid manipulation, amplification and sequencing • Methods for protein engineering, expression and purification • Methods for proteomics, including mass spectrometry, analysis of binding interactions, microarray-based technologies, display techniques, analysis of post-translational modifications, glycobiology and metabolomics • Methods for systems biology, including proteomics approaches, protein interaction analysis methods and genome wide expression and regulation profiling • Biomolecular structural analysis technologies, including NMR and crystallography • Chemical biology techniques, including chemical labeling, methods for expanding the	2

JID	Journal Name	Aims and Scopes	xID
		genetic code and directed evolution • Biophysical methods, including single molecule and lab-on-a-chip technologies • Optical and non-optical imaging technologies, including probe design and labeling methods, microscopy, spectroscopy and in vivo imaging • Techniques for the analysis and manipulation of gene expression, including epigenetics, gene targeting, transduction, RNA interference and microarray-based technologies • Methods for cell culture and manipulation, including stem cells, single cell methods and lab-on-a-chip technologies • Immunological techniques, including production of antibodies, antibody-based assays and immunolabeling • Methods for the study of physiology and disease processes including cancer • Methods involving model organisms and their manipulation and phenotyping • Computational and bioinformatic methods for analysis, modeling or visualization of biological data • Nanotechnology-based methods applied to basic biology	
460	ACM Transactions on Storage	• Storage Systems Architecture, Design, and Validation • Storage Networking • Storage Resource Management • Replication, Backup, and Recovery • Operating System and Application Support • Information Lifecycle Management (ILM) • Storage Media and Devices • Theory • Emerging Memory Storage Technologies	5
461	Biomed Research International	• Life sciences • Medicine	3
462	Biotechnology Journal	• Nucleic Acids/Molecular Biology • Physiology/Biochemistry • Biochemical Engineering/Bioprocess Engineering • Industrial Processes/New Products • Medical Biotechnology • Agro- and Food Biotechnology • Genomics and Bioinformatics	2
463	Malaysian Journal of Computer Science	• New inventions/developments of computer science and on the use of information technology	3
464	Journal of Applied Probability	• Biosciences applications • Operations research • Telecommunications • Computer science • Engineering • Epidemiology • Financial mathematics • The physical • Social sciences • Any field where stochastic modeling is used	5
465	Renewable & Sustainable Energy Reviews	• Energy resources • Applications • Utilization • Environment • Techno-socio-economic aspects • Systems	5

JID	Journal Name	Aims and Scopes	xID
		• Sustainability	
466	IEEE Wireless Communications	• Technical and policy issues relating to personalized • Location-independent communications in all media (and combinations of media), and at all protocol layers • The mobility of people • communicating devices, and personal services • Personal, location-independent communications and computing	2
467	Digital Signal Processing	• Big data • Machine learning • Internet of things • Information security • Systems biology and computational biology • Financial time series analysis • Autonomous vehicles • Quantum computing • Neuromorphic engineering • Human-computer interaction and intelligent user interfaces • Environmental signal processing • Geophysical signal processing including seismic signal processing • Chemioinformatics and bioinformatics • Audio, visual and performance arts • Disaster management and prevention • Renewable energy	2
468	Parallel Computing	• Enabling software including debuggers, performance tools, and system and numeric libraries. • General hardware (architecture) concepts, new technologies enabling the realization of such new concepts, and details of commercially available systems • Software engineering and productivity as it relates to parallel computing • Application or tool case studies demonstrating novel ways to achieve parallelism • Performance measurement results on state-of-the-art systems • Approaches to effectively utilize large-scale parallel computing including new algorithms or algorithm analysis with demonstrated relevance to real applications using existing or next generation parallel computer architectures. • Parallel I/O systems both hardware and software • Networking technology for support of high-speed computing demonstrating the impact of high-speed computation on parallel applications	1
469	Clinical Infectious Diseases	• Topics range from clinical descriptions of infections • Public health • Microbiology • Immunology to the prevention of infection • The evaluation of current and novel treatment • The promotion of optimal practices for diagnosis and treatment	1
470	Trends in Genetics	• Trends in Genetics	6
471	Physical Review C	• Nucleon-nucleon interaction, few-body systems • Nuclear structure • Nuclear reactions • Relativistic nuclear collisions • Hadronic physics and Quantum Chromodynamics (QCD) • Electroweak interaction, symmetries • Nuclear astrophysics	3
472	Journal of Information Science	• Information processing and management • Information flow and communication	5

JID	Journal Name	Aims and Scopes	xID
		• Knowledge structuring and organization • Information literacy and information education • Information seeking behaviours • Economic impact of information and knowledge • Information and knowledge policy formulation • Legal and political issues relating to information • Meta data and structured vocabularies • Search, navigation and retrieval techniques • Information architecture • information and knowledge audit • Content management	

473	Iranian Journal of Fuzzy Systems	• Theory and applications of fuzzy sets and systems in the areas of:
		  • Foundations
		  • Pure mathematics
		  • Artificial intelligence
		  • Control
		  • Robotics
		  • Data analysis
		  • Data mining
		  • Decision making
		  • Finance and management
		  • Information systems
		  • Operations research
		  • Pattern recognition and image processing
		  • Soft computing
		  • Uncertainty modeling
			6

474	International Journal of Operations and Production Management	• Operations and supply chain management topics	2
475	Convergence-The International Journal of Research into New Media Technologies	• Video games • Cable and telecoms • Mobile media/content • Internet studies • Digital/new media art • Digital photography • VR • Control and censorship of the media • Copyright/intellectual property • New media policy • New media industries/institutions • New media history • New media in cross-cultural/international contexts • New media products • Digital TV • DVD • Digital music – recording, production, distribution, file formats/file sharing • Cinema • Gender and technology	2
476	Measurement Science and Technology	• Mathematics applied mathematics • Physics and astronomy instrumentation	3
477	Journal of Ceramic Science and Technology	• All topics of ceramic science and technology from all ceramic branches • Scientific exploration of the relationships between processing, microstructure and properties	5

JID	Journal Name	Aims and Scopes	xID
		of sintered ceramic materials	
478	International Journal of Machine Learning and Cybernetics (IJMLC)	• Machine Learning for modeling interactions between systems • Pattern Recognition technology to support discovery of system-environment interaction • Control of system-environment interactions • Biochemical interaction in biological and biologically-inspired systems • Learning for improvement of communication schemes between systems	1

479	Applied Artificial Intelligence	• Research and applications of artificial intelligence (AI)
		• Advances in uses of AI systems for solving tasks in:
		  • Management
		  • Industry
		  • Engineering
		  • Administration
		  • Education
		• Evaluations of existing AI systems and tools
		• The economic, social, and cultural impacts of AI
			6

480	Automatika	• Control Systems • Control of Power Electronics, Electrical Drives and Power Systems • Electronics and Communication Engineering and Technology • Signal Processing, Computer Vision and Computational Intelligence • Robotics and Autonomous Systems	1

481	Peerj	• Biology
		• Medicine
		• General:
		  • Computational Science
		  • Ethical Issues
		  • Human-Computer Interaction
		  • Legal Issues
		  • Science and Medical Education
		  • Science Policy
		  • Statistics
		• Environmental Sciences:
		  • Aquatic and Marine Chemistry
		  • Atmospheric Chemistry
		  • Biogeochemistry
		  • Biological Oceanography
		  • Biosphere Interactions
		  • Climate Change Biology
		  • Coupled Natural and Human Systems
		  • Ecohydrology
		  • Ecosystem Science
		  • Ecotoxicology
		  • Environmental Contamination and Remediation
		  • Environmental Impacts
		  • Food, Water and Energy Nexus
		  • Forestry
		  • Green Chemistry
		  • Natural Resource Management
		  • Soil Science
		• Spatial and Geographic Information Science
			6

482	Solar Energy	• Science and technology of solar energy applications • Any aspect of solar energy research, development, application, measurement or policy	1

JID	Journal Name	Aims and Scopes	xID
483	Computational Intelligence	• Artificial intelligence from the tools and languages of AI to its philosophical implications	3
484	Evaluation Review	• Methodological discussions of the design and analysis of evaluations, including surveys of current practice and emerging issues • Results of evaluations, especially when the evaluation develops new methods or applies emerging methods • Broader perspectives on evaluation such as the role of rigorous impact evaluation in the broader evaluation context, contracting for and disseminating results of evaluations, and the inter-relation of evaluation and policy	2
485	Journal of the ACM	• Algorithms and Combinatorial Optimization • Algorithms and Data Structures • Algorithms, Combinatorial Optimization, and Games • Artificial Intelligence • Complexity Theory • Computational Biology • Computational Geometry • Computer Graphics and Computer Vision • Computer-Aided Verification • Cryptography and Security • Cyber-Physical, Embedded, and Real-Time Systems • Database Systems and Theory • Distributed Computing • Economics and Computation • Information Theory • Logic and Computation • Logic, Algorithms, and Complexity • Machine Learning and Computational Learning Theory • Networking • Parallel Computing and Architecture • Programming Languages • Quantum Computing • Randomized Algorithms and Probabilistic Analysis of Algorithms • Scientific Computing and High-Performance Computing • Software Engineering • Web Algorithms and Data Mining	6
486	European Journal of Nutrition	• Information on the impact of nutrients and non-nutrients on immunology and inflammation • Gene expression, metabolism, chronic diseases, or carcinogenesis • Show a major focus on epidemiology, including intervention studies with healthy subjects and with patients • Food safety • Biofunctionality of food and food components	1
487	Nature Communications	• Biochemistry, genetics and molecular biology • Chemistry • Physics and astronomy	3
488	Signal Processing	• Signal Theory • Stochastic Processes • Detection and Estimation • Spectral Analysis • Filtering • Signal Processing Systems • Software Developments • Image Processing • Pattern Recognition	2

JID	Journal Name	Aims and Scopes	xID
		• Optical Signal Processing • Digital Signal Processing • Multi-dimensional Signal Processing • Communication Signal Processing • Biomedical Signal Processing • Geophysical and Astrophysical Signal Processing • Earth Resources Signal Processing • Acoustic and Vibration Signal Processing • Data Processing • Remote Sensing; Signal Processing Technology • Radar Signal Processing • Sonar Signal Processing • Industrial Applications • New Applications	
489	Futures	• Medium and long-term futures of cultures and societies • Science and technology • Economics and politics • Environment and the planet • Individuals and humanity	3
490	Proceedings of the National Academy of Sciences of the United States of America	• Biological • Physical • Social sciences	5
491	Technometrics	• The development and use of statistical methods in physical, chemical, and engineering sciences as well as information sciences and technology • Statistics and computer science such as data mining, machine learning, large databases • Papers illustrating innovative application of known statistical methods • Expository papers on particular statistical methods • Papers dealing with the philosophy and problems of applying statistical methods	1
492	Journal of Scheduling	• All forms of scheduling research • Coverage of the techniques and applications of scheduling	1
493	International Journal of Sensor Networks	• Energy efficiency, energy efficient protocols • Applications • Location techniques, routing, medium access control • Coverage, connectivity, longevity, scheduling, synchronization • Network resource management, network protocols, lightweight protocols • Fault tolerance/diagnostics • Foundations • Data storage, query processing, system architectures, operating systems • In-network processing and aggregation • Learning of models from data • Mobility • Performance analysis • Sensor tasking and control • Security, privacy, data integrity • Modelling of systems/physical environments, simulation tools/environments	2
494	IEEE Transactions on Energy Conversion	• Development, design, application, construction, installation, operation, analysis and control of electric power generating and energy storage equipment • Electromechanical energy conversion • Electric machinery • Devices, systems and facilities for the safe, reliable, and economic generation and utilization of electrical energy for general industrial, commercial, public, and domestic consumption of	3

JID	Journal Name	Aims and Scopes	xID
		electrical energy	
495	IEEE Transactions on Human-Machine Systems	• Cognitive ergonomics • System test and evaluation • Human information processing concerns in systems and organizations	1
496	IEEE Transactions on Pattern Analysis and Machine Intelligence	• Computer vision and image understanding • Pattern analysis and recognition • Machine intelligence, with a particular emphasis on machine learning for pattern analysis • Techniques for visual search • Document and handwriting analysis • Medical image analysis • Video and image sequence analysis • Content-based retrieval of image and video • Face and gesture recognition • Relevant specialized hardware and/or software architectures	6

497	Siam Journal on Matrix Analysis and Applications	• Matrix analysis and its applications. Applications include:
		  • Signal processing
		  • Systems and control theory
		  • Statistics
		  • Markov chains
		• Mathematical biology
			6

498	International Journal of Data Warehousing and Mining	• Algorithms • Applications issues • Data mart • Data Mining • Data mining methods • Data models • Data structures • Data Warehousing • Data warehousing process • Design • Knowledge discovery process • Mining databases • Online analytical process • Practical issues • Tools and languages	6
499	IEEE Transactions on Automatic Control	• The theory, design, and applications of control engineering	5
500	Harvard Business Review	• Business, management and accounting • Business and international management • Management of technology and innovation • Strategy and management • Economics, econometrics and finance • Economics and econometrics • Medicine	3
501	Advances in Applied Probability	• Biosciences • Operations research • Telecommunications • Computer science • Engineering • Epidemiology • Financial mathematics	2

JID	Journal Name	Aims and Scopes	xID
		• Physical and social sciences • Any field where stochastic modeling is used	
502	Journal of Management Studies	• Knowledge of management and organization • Organization theory • Organizational behavior • Human resource management • Strategy • International business • Entrepreneurship • Innovation and critical management studies	5
503	Telecommunications Policy	• Policy, regulation, and governance • Big data, artificial intelligence and data science • New and traditional sectors encompassing new media and the platform economy • Management, entrepreneurship, innovation and use	5

504	Transactions on Emerging Telecommunications Technologies	• 5G & Beyond
		  • Design Methodologies
		  • Network Architectures
		  • Access & Transport Networks
		  • Enabling Technologies
		  • Emerging Verticals
		• Internet of*
		  • Internet of Things (IoT)
		  • Industrial IoT
		  • Internet of Skills
		  • Internet of Humans
		  • Internet of Vehicles
		  • Internet of Mobile Things
		  • Tactile Internet
		  • Web of things
		  • Machine to Machine systems
		  • Device to Device communications
		  • Embedded Internet
		  • Semantics-augmented Things
		  • Cyber Physical Systems
		• Cutting edge Telecommunication Paradigms
		  • Quantum Communications
		  • Industry 4.0 Communications
		  • Bioinspired Communication Systems
		  • Nanoscale Communications
		  • Communications in Challenging/Constrained Environments
		• Disruptive Access Technologies
		  • Non-Orthogonal Multiple Access
		  • Multi-frequency Communication Modes
		  • Hyper-dense Networks
		  • mmWave Communications
		  • Wireless Virtualization
		  • Cloud Radio
		• Emerging Optical Communication Technologies
		  • Novel Multiplexing Techniques
		  • Radio-over-Fiber Technologies
		  • Flexible Optical Networks
		  • Visible Light Communications
			5

JID	Journal Name	Aims and Scopes	xID
		• Optical Wireless Communications • Novel Networking Systems • Network Softwarization • Network Slicing • Data-center Networks • Future Internet Architectures • Autonomic and Docitive Networks • Semantic-based Models in Network Architectures • Ubiquitous, Edge, and Cloud Computing • Mobile Edge Computing for Verticals (automotive healthcare etc) • Big Data & Artificial Intelligence in Network Architectures • Fog Computing • Complex Networks • Cloud Robotics • Social Computing & Networks • Smartphone Architectures & Applications • Cross-technology topics • Security, Privacy and Trust • Authentication and Access Control • Risk and Reputation management • Formal Methods in Information Society • Intrusion Detection and Prevention Systems • Network Economics • Regulatory Frameworks • Business Models • Service Planning • Standardization and Interoperability • Quality of Experience	
505	ACM Transactions on Knowledge Discovery from Data	• Knowledge discovery and analysis of diverse forms of data • Scalable and effective algorithms for data mining and big data analysis • Mining brain networks • Mining data streams • Mining multi-media data • Mining high-dimensional data • Mining text, Web, and semi-structured data • Mining spatial and temporal data • Data mining for community generation • Social network analysis • Graph structured data • Security and privacy issues in data mining • Visual, interactive and online data mining • Pre-processing and post-processing for data mining • Robust and scalable statistical methods • Data mining languages • Foundations of data mining • KDD framework and process • Novel applications and infrastructures exploiting data mining technology including massively parallel processing and cloud computing platforms • Large distributed networks of computers • Parallel or multiprocessing computers • New data devices • Emerging data mining applications	6
506	Resource and Energy Economics	• Utilization and development of the earth's natural resources (renewable and non-renewable)	2

JID	Journal Name	Aims and Scopes	xID
		• International trade and global environmental problems • Non-market valuation methodology and novel applications of valuation techniques • Experimental economics pertaining to environmental and natural resources • Choice and impact of environmental policy instruments • Relationships between renewable and non-renewable energy sources and markets	
507	Computer Law and Security Review	• Internet law • Telecoms regulation • Intellectual property • Cyber-crime • Surveillance and security • e-Commerce • Outsourcing • Data protection • e-Privacy	3
508	International Journal of Information Security	• Cryptology • Computer Communication Networks • Operating Systems • Coding and Information Theory • Management of Computing and Information Systems • Communications Engineering • Networks	5
509	Software and Systems Modeling	• Theoretical and practical issues in the development and application of software and system modeling languages, techniques, and methods, such as the Unified Modeling Language • Understanding of the theoretical underpinnings of modeling languages and techniques, present rigorous analyses of modeling experiences, and present scalable modeling techniques and processes that facilitate rigorous and economical development of software.	2
510	Concurrent Engineering: Research and Applications	• research arising from parallelism of product life cycle function • New developments in computer-aided concurrent engineering (CE) presented by leading CE specialists from around the world • Advances in knowledge-based CE theory, methodologies and practical applications • New information for integrated CE development and optimization of CAD/CAM/CAE/CIM systems. • CE system design and implementation modelling • Information management • Design automation • Knowledge acquisition • Performance evaluation • Conflict resolution • Case histories of practical applications	5
511	Science of The Total Environment	• The environment with emphasis on changes caused by human activities • Changes in the natural levels and distribution of chemical elements and their compounds that may affect the well-being of the living world, or represent a threat to human health	3
512	ACM Transactions on Information and System Security	• Security technologies • Secure systems • Privacy methods • Security and privacy applications • Privacy and security policies	3
513	Trends in Cognitive Sciences	• Cognitive sciences or in related specialist areas • The journal brings together research in psychology, artificial intelligence, linguistics, philosophy, computer science and neuroscience •	6

JID	Journal Name	Aims and Scopes	xID
514	Information Processing and Management	• Research in information science, information searching, or information retrieval and related areas that deals with the production, representation, organization, storage, retrieval, use, or evaluation of information, along with the tools and techniques associated with these processes • Research in human information behavior and related areas that deal with the nature, manifestations, behavior, and effects of information or knowledge, along with the communication and distribution of that information or knowledge • Research in domain specific areas involving information studies or design, including the areas of web searching, online advertising, public relations, communication, management information systems, computational economics, computational advertising, web analytics, online news, bibliometrics, scientometrics, health informatics, or similar areas • Research in system design dealing with experimental processes related to digital libraries, knowledge management systems, multimedia processing, human-computer interfaces, or system evaluation in the information systems field	1
515	Management Science	• Business Strategy • Decision Analysis • Entrepreneurship • Operations • Optimization and Modeling • Product Development • Simulation • Social Networks • Stochastic Models • Supply Chain Management	2

516	Natural Hazards	• All aspects of natural hazards:
		  • The forecasting of catastrophic events
		  • Their risk management
		  • The nature of precursors of natural and/or technological hazards
		  • mitigation of hazards
		• The interactions between hazards and society:
		  • Risk governance
		  • Disaster response and preventive actions
			6

517	Ad Hoc and Sensor Wireless Networks	• The editor has not yet provided this information	2
518	Multimedia Systems	• Integration of digital video and audio capabilities in computer systems • Multimedia information encoding and data interchange formats • Operating system mechanisms for digital multimedia • Digital video and audio networking and communication • Storage models and structures • Methodologies, paradigms, tools, and software architectures for supporting multimedia applications • Multimedia applications and application program interfaces, and multimedia endsystem architectures	1
519	Journal of Global Optimization	• Optimization • Operations Research/Decision Theory • Real Functions • Computer Science, general	2
520	International Journal on Artificial Intelligence Tools	• New advances on AI tools or tools that use AI • Tools refer to architectures, languages or algorithms, which constitute the means connecting theory with applications	3
521	Artificial Life and Robotics	• Artificial brain research, artificial intelligence, artificial life, artificial living, artificial mind	1

JID	Journal Name	Aims and Scopes	xID
		research, brain science, chaos, cognitive science, complexity, computer graphics, evolutionary computations, fuzzy control, genetic algorithms, innovative computations, intelligent control and modeling, micromachines, micro-robot world cup soccer tournament, mobile vehicles, neural networks, neurocomputers, neurocomputing technologies and applications, robotics, robus virtual engineering, and virtual reality.	
522	Applied Energy	• Energy conversion and conservation • The optimal use of energy resources • Analysis and optimization of energy processes • Mitigation of environmental pollutants • Sustainable energy systems	2
523	Journal of The Operational Research Society	• Real applications of Operational Research (OR): forecasting, inventory, investment, location, logistics, maintenance, marketing, packing, purchasing, production, project management, reliability and scheduling • A wide variety of environments: community OR, education, energy, finance, government, health services, manufacturing industries, mining, sports, and transportation • Technical approaches: decision support systems, expert systems, heuristics, networks, mathematical programming, multicriteria decision methods, problems structuring methods, queues, and simulation	3
524	Econometrica	• All branches of economics • Theoretical and empirical, abstract and applied, providing wide-ranging coverage across the subject area. • unification of the theoretical-quatative and the empirical-quantitative approach to economic problems and that are penetrated by constructive and rigorous thinking Research on current and applied economic problems • methodologically innovative • theoretical and applied studies in econometrics	1
525	ACM Transactions on Embedded Computing Systems	• All the different fields of research in embedded computing	6
526	Information and Software Technology	• Software management, quality and metrics • Software processes • Software architecture, modelling, specification, design and programming • Functional and non-functional software requirements • Software testing and verification & validation • Empirical studies of all aspects of engineering and managing software development	6
527	Signal Processing-Image Communication	• Image/video coding, 3D video representations and compression, 3D graphics and animation compression, HDTV and 3DTV systems, video adaptation, video over IP, peer-to-peer video networking, interactive visual communication, multi-user video conferencing, wireless video broadcasting and communication, visual surveillance, 2D and 3D image/video quality measures, pre/post processing, video restoration and super-resolution, multi-camera video analysis, motion analysis, content-based image/video indexing and retrieval, face and gesture processing, video synthesis, 2D and 3D image/video acquisition and display technologies, architectures for image/video processing and communication.	1
528	Journal of Big Data	• Data capture and storage • Search, sharing, and analytics • Big data technologies • Data visualization • Architectures for massively parallel processing • Data mining tools and techniques • Machine learning algorithms for big data • Cloud computing platforms • Distributed file systems and databases • Scalable storage systems	5

JID	Journal Name	Aims and Scopes	xID

529	Science of Computer Programming	• The entire spectrum of methods for the entire life cycle of software systems, including
		  • Requirements, specification, design, validation, verification, coding, testing, maintenance, metrics and renovation of software
		  • Design, implementation and evaluation of programming languages
		  • Programming environments, development tools, visualisation and animation
		  • Management of the development process
		  • Human factors in software, software for social interaction, software for social computing
		  • Cyber physical systems, and software for the interaction between the physical and the machine
		  • Software aspects of infrastructure services, system administration, and network management
			1

530	IEEE Transactions on Circuits and Systems I-Regular Papers	• Circuits: Analog, Digital and Mixed Signal Circuits and Systems • Nonlinear Circuits and Systems, Integrated Sensors, MEMS and Systems on Chip, Nanoscale Circuits and Systems, Optoelectronic • Circuits and Systems, Power Electronics and Systems Software for Analog and Logic Circuits and Systems Control aspects of Circuits and Systems.	2
531	Journal of Quality Technology	• The technical advancement of the field of quality technology • The practical applicability of new techniques • Instructive examples of the operation of existing techniques • Results of historical researches	5
532	IEEE Wireless Communications Letters	• Wireless communications • The physical layer and the link layer of wireless communication systems	3
533	Journal of Hydrology	• Hydrological sciences • Water based management and policy issues that impact on economics and society • Physical, chemical, biogeochemical, stochastic and systems aspects of surface and groundwater hydrology • Hydrometeorology • Hydrogeology • Hydrogeophysics	3
534	IEEE Transactions on Biomedical Circuits and Systems	• Bioelectronics • Implantable and wearable electronics like cochlear and retinal prosthesis, motor control, etc • Biotechnology sensor circuits, integrated systems, and networks • Micropower imaging technology • BioMEMS • Lab-on-chip Bio-nanotechnology • Organic Semiconductors • Biomedical Engineering • Genomics and Proteomics • Neuromorphic Engineering • Smart sensors • Low power micro- and nanoelectronics • Mixed-mode system-on-chip • Wireless technology • Gene circuits and molecular circuits • System biology • Brain science and engineering: such as neuro-informatics, neural prosthesis, cognitive engineering, brain computer interface • Healthcare: information technology for biomedical, epidemiology, and other related life science applications	1
535	Advances in Space Research	• Space studies of the Earth's surface • Meteorology	5

JID	Journal Name	Aims and Scopes	xID
		• Climate • The Earth-Moon system • Planets and small bodies of the solar system • Upper atmospheres • Ionospheres • Magnetospheres of the Earth and planets	

536	Journal of Systems Architecture	• Design and architectural of embedded systems and software
		  • Microarchitecture level via the system software level
		  • Application-specific architecture level
		• Real-time systems
		• Operating systems
		• FPGA programming
		• Programming languages
		• Communications (limited to analysis and the software stack)
		• Mobile systems
		• Parallel and distributed architectures
		• Additional subjects in the computer and system architecture
			2

537	ACM Transactions on Sensor Networks	• The research and applications of distributed, wireless or wireline sensor and actuator networks
		• An interdisciplinary field, including:
		  • Signal processing
		  • Networking and protocols
		  • Embedded systems
		  • Information management
		• Distributed algorithms
			6

538	IEEE Micro	• Design, performance, or application of microprocessors and microcomputers • Architecture • Communications • Data acquisition • Control • Hardware and software design/implementation • Algorithms (including program listings) • Digital signal processing • Microprocessor support hardware • Operating systems • Computer aided design • Languages • Application software, and development systems	5
539	Journal of Econometrics	• Identification • Estimation • Testing • Decision • Prediction issues encountered in economic research • Classical Bayesian statistics, and machine learning methods	2
540	Computational Intelligence and Neuroscience	• Neural modeling and neural-computation • Neural signal processing • Brain-computer interfacing • Neuron-electronics • Neurofeedback, neural rehabilitation • Neuroinformatics • Brain waves, neuroimaging (fMRI, EEG, MEG, PET, NIR)	5

JID	Journal Name	Aims and Scopes	xID
		• Neural circuits: artificial and biological • Neural control and neural system analysis • Learning theory (supervised/unsupervised/reinforcement learning) • Knowledge based neural networks, probabilistic, spatial, and temporal knowledge representation and reasoning • Learning Classifiers • Fusion of neural network- fuzzy systems- evolutionary algorithms • Biologically inspired Intelligent agents • Bayesian networks and probabilistic reasoning • Swarm intelligence • Ant colony optimization • Multi-agent systems • Computational aspects of perceptual systems, perception of different (visual, auditory and tactile) modalities, perception and selective attention • Long-term, Short-term, and Working memory • Multi-level (neural, psychological, computational) analysis of cognitive phenomena • Integrated theories of natural and artificial cognitive systems • Information-theoretic, control-theoretic, and decision-theoretic approaches to neuroscience • Multi-disciplinary computational approaches to the study of creativity, learning, knowledge and inference, emotion and motivation, awareness and consciousness, perception and action, decision making and action, etc. • Cognitive systems from artificial life, dynamical systems, complex systems perspectives • Neurobiologically inspired evolutionary systems	
541	Business and Information Systems Engineering	• Business and information systems engineering • Cuttingedge business practice findings • The impact of computer science on business, individuals, and society • Issues regarding training and further education	3
542	Journal of Experimental and Theoretical Artificial Intelligence	• Cognitive science • Games • Learning • Knowledge representation • Memory and neural system modelling • Perception • Problem-solving	3
543	International Journal of Communication Systems	• Transmission/Switching/Distribution technologies (ATM, SDH, TCP/IP, routers, DSL, cable modems, VoD, VoIP, WDM, etc.) • System control, network/service management • Network and Internet protocols and standards • Client-server, distributed and Web-based communication systems • Broadband and multimedia systems and applications, with a focus on increased service variety and interactivity • Trials of advanced systems and services; their implementation and evaluation • Novel concepts and improvements in technique; their theoretical basis and performance analysis using measurement/testing, modelling and simulation • Performance evaluation issues and methods	6
544	Knowledge and Information Systems	• Information Systems and Communication Service • Database Management • Data Mining and Knowledge Discovery • Information Storage and Retrieval • Information Systems Applications (incl.Internet) • IT in Business	5

JID	Journal Name	Aims and Scopes	xID

545	Structural and Multidisciplinary Optimization	• Optimization in solid (structural) and fluid mechanics (including CFD)
		• Mathematical foundations of the field to algorithm and software development, and from benchmark examples to case studies of practical applications in structural, aero-space, mechanical, civil, chemical, naval and bio-engineering
		• The topic when related to the optimization of structures or fluids include:
		  • Computer-aided design and manufacturing
		  • Uncertainty quantification
		  • Artificial intelligence
		  • System identification and modeling
		  • Inverse processes
		  • Computer simulation
		  • Bio-mechanics
		  • Bio-medical applications
		  • Nano-technology
		  • MEMS
		  • Optics
		  • Chemical processes
		  • Computational biology
		  • Meta-modeling
		  • DOE
		• Active control of structures
			6

546	Seminars in Speech and Language	• The entire spectrum of speech language pathology • Diagnostic procedures • Screening and assessment techniques • Treatment protocols • Short and long-term management practices in areas such as apraxia, communication, stuttering, autism, dysphagia, attention, phonological intervention, memory as well as other disorders	1
547	Computational Linguistics	• Design and analysis of natural language processing systems	2
548	Journal of Medical Imaging and Health Informatics	• Magnetic resonance imaging • Ultrasound • Computed tomography • Nuclear Medicine • X-Ray • Optical and confocal microscopy • Infrared imaging • Bio-signal Processing • Cellular and Molecular Engineering • Data mining techniques for clinical decision making • Rehabilitation and Clinical Engineering • Health Informatics	2
549	Etri Journal	• Information, telecommunications, and electronics • High-performance computing • Big data analytics • Cloud computing • Multimedia technology • Communication networks and services, • Wireless communications and mobile computing • Material and component technology • Security	3
550	Journal of Economic Theory	• Mechanism design	3

JID	Journal Name	Aims and Scopes	xID
		• Information • Finance • Matching • Decision theory • Game theory • Political economy • Market design • Macroeconomics • Monetary economics	
551	Preventive Veterinary Medicine	• Epidemiology of health events relevant to domestic and wild animals • Economic impacts of epidemic and endemic animal and zoonotic diseases • Latest methods and approaches in veterinary epidemiology • Disease and infection control or eradication measures • The "One Health" concept and the relationships between veterinary medicine, human health, animal-production systems, and the environment • Development of new techniques in surveillance systems and diagnosis • Evaluation and control of diseases in animal populations	5
552	Mathematical Programming	• Energy conversion and conservation • Optimal use of energy resources • Analysis and optimization of energy processes • Mitigation of environmental pollutants • Sustainable energy systems.	2
553	Npj Microgravity	• Human health, performance and disease prevention • Fundamental and applied animal and plant research • Fundamental and applied cellular, molecular, and tissue biology • Fundamental and applied microbiology research • Fundamental physics • Fluid physics • Biophysics • Earth observations and remote sensing • Technology and instrumentation advances, including biotechnology • Complex fluids • Materials science • Combustion science • Astrobiology • Nanotechnology.	2
554	Aquaculture	• Scientific contributions to aquaculture	6

555	International Journal of Human-Computer Studies	• Innovative interaction techniques
		  • Multimodal interaction
		  • Speech interaction
		  • Graphic interaction
		  • Natural language interaction
		  • Interaction in mobile and embedded systems
		  • Interface design and evaluation methodologies
		  • Design and evaluation of innovative interactive systems
		  • User interface prototyping and management systems
		  • Ubiquitous computing
		  • Wearable computers
		  • Pervasive computing
		  • Affective computing
		  • Empirical studies of user behaviour
			5

JID	Journal Name	Aims and Scopes	xID
		• Empirical studies of programming and software engineering • Computer supported cooperative work • Computer mediated communication • Virtual reality • Mixed and augmented Reality • Intelligent user interfaces • Presence • Intelligent tutoring, coaching and debugging systems • Interactive decision support systems • Agent-based computing, agent models, co-ordination and communication • Human language technologies and machine learning in interactive systems • Knowledge acquisition, discovery, modelling and management • Peer to peer communication between intelligent systems • Ontologies, knowledge technologies, semantic web systems • Human-Computer Interaction theory - e.g. user models, cognitive systems	
556	Computers in Biology and Medicine	• Analysis of Biomedical Systems • Synthesis of Biomedical Systems • Special Medical Data Processing Methods • Special Purpose Computers and Clinical Data Processing for Real Time, Clinical and Experimental Use • Medical Diagnosis and Medical Record Processing, Biomedical Engineering • Medical Informatics as well as Bioinformatics • Medical Applications of the Internet and World Wide Web • Human Genomics, Proteomics • Functional Brain Studies • Computer aids to the analysis of biochemical systems • Computer aids to biocontrol-systems engineering • Neuronal simulation by digital-computer gating components • Automatic computer analysis of pictures of biological and medical importance • Use of computers by commercial pharmaceutical and chemical organizations • Radiation-dosage computers • Accumulating and recalling individual medical records • Real-time languages • Interfaces to patient monitors • Clinical chemistry equipment • Data handling and display in nuclear medicine and therapy	6
557	Journal on Multimodal User Interfaces	• The design, implementation and evaluation of multimodal interfaces which is involving several fields including: • Signal processing • Human-machine interaction • Computer science • Cognitive science • Ergonomics	3
558	IEEE Power and Energy Magazine	• All aspects of electric power from a technical perspective in synergy with nontechnical areas such as business, environmental, and social concerns • Technological advancements, industry news, business trends and strategies, products, and publications	6
559	ACM Transactions on Graphics	• Computer-aided design • Synthetic image generation • Rendering • Solid modeling	5
560	Journal of Communication	• Communication, culture, race, socialization, media, political, theory, policy, research	6

JID	Journal Name	Aims and Scopes	xID
561	The Electronic Library	• Information & Knowledge Management • Library Studies	5
562	Biosensors and Bioelectronics	• Research, design, development and application of biosensors and bioelectronics • The exploitation of biological materials and designs in novel diagnostic and electronic devices including sensors, DNA chips, electronic noses, lab-on-a-chip and μ-TAS	1
563	Computational Optimization and Applications	• Optimization • Operations Research, Management Science • Operations Research/Decision Theory • Statistics, general • Convex and Discrete Geometry	5
564	Arabian Journal for Science and Engineering	• Biological Sciences, Chemistry, Earth Sciences, and Physics, and in the Engineering disciplines of Chemical, Civil, Computer Science and Engineering, Electrical, Mechanical, Petroleum, and Systems Engineering.	6
565	BMC Bioinformatics	• All aspects of the development, testing and novel application of computational and statistical methods for the modeling and analysis of all kinds of biological data, as well as other areas of computational biology	2
566	American Journal of Medical Quality	• Health care services • The exchange of ideas, strategies, and methods in the delivery and management of health care	3
567	Electronic Commerce Research	• Internet and electronic commerce • Dissemination of services through the Internet • Intelligent agents technologies and their impact • The global impact of electronic commerce • The economics of electronic commerce • Fraud reduction on the Internet • Mobile electronic commerce • Virtual electronic commerce system • Application of computer and communication technologies to electronic commerce • Electronic market mechanisms and their impact • Auctioning over the Internet • Business models of Internet based companies • Service creation and provisioning • The job market created by the Internet and electronic commerce • Security, privacy, authorization and authentication of users and transactions on the Internet • Electronic data interchange over the Internet • Electronic payment systems and electronic funds transfer • The impact of electronic commerce on organizational structures and processes • Supply chain management through the Internet • Marketing on the Internet • User adaptive advertisement • Standards in electronic commerce and their analysis • Metrics, measurement and prediction of user activity • On-line stock markets and financial trading • User devices for accessing the Internet and conducting electronic transactions • Efficient search techniques and engines on the WWW • Web based languages (e.g., HTML, XML, VRML, Java) • Multimedia storage and distribution • Internet • Collaborative learning, gaming and work	6

JID	Journal Name	Aims and Scopes	xID
		• Presentation page design techniques and tools • Virtual reality on the net and 3D visualization • Browsers and user interfaces • Web site management techniques and tools • Managing middleware to support electronic commerce • Web based education, and training • Electronic journals and publishing on the Internet • Legal issues, taxation and property rights • Modeling and design of networks to support Internet applications • Modeling, design and sizing of web site servers • Reliability of intensive on-line applications • Pervasive devices and pervasive computing in electronic commerce • Workflow for electronic commerce applications • Coordination technologies for electronic commerce • Personalization and mass customization technologies • Marketing and customer relationship management in electronic commerce • Service creation and provisioning.	
568	International Journal of Computational Intelligence Systems	• Autonomous reasoning • Bio-informatics • Cloud computing • Condition monitoring • Consumer electronics • Data science, Data mining, Data visualization • Decision support systems • E-science and e-commence • Fault diagnosis • Intelligent information retrieval • Human-machine interaction and interfaces • Image processing • Industrial electronics • Internet tools • Noise analysis • Pattern recognition • Prediction systems • Power (Nuclear) safety systems • Process and system control • Real time systems • Risk analysis and safety related issues • Robotics • Signal or image processing • Smart cities • Systems integration • System control • System modelling and Optimization • Telecommunications • Time series prediction • Warning systems • Virtual reality • Web-intelligence	3
569	Optics Express	• Scientific and technology innovations in all aspects of optics and photonics • New developments in the science and engineering of light and their impact on sustainable	1

JID	Journal Name	Aims and Scopes	xID
		energy, the environment, and green technologies	
570	International Journal of Neural Systems	• Information processing in natural and artificial neural systems • Physics, biology, psychology, computer science and engineering	2
571	Stochastic Analysis and Applications	• Latest innovations in the field of stochastic theory and its practical applications	5
572	Discrete Mathematics	• Graph and hypergraph theory • Enumeration • Coding theory • Block designs • The combinatorics of partially ordered sets • Extremal set theory • Matroid theory • Algebraic combinatorics • Discrete geometry • Matrices • Discrete probability theory	1

573	Decision Support Systems	• DSS Foundations
		  • Principles
		  • Concepts
		  • Theories of enhanced decision making
		  • Formal languages and research methods enabling improvements in decision making
		• DSS Functionality
		  • Methods, tools, and techniques for developing the functional aspects of enhanced decision making
		  • Solver, model, and/or data management in DSSs
		  • Rule formulation and management in DSSs
		  • DSS development and use in computer supported cooperative work, negotiation, research and product
		• DSS Interfaces
		  • Methods, tools, and techniques for designing and developing DSS interfaces
		  • Development, management, and presentation of knowledge in a DSS
		  • Coordination of a DSS's interface with its functionality
		• DSS Implementation
		  • Experiences in DSS development and utilization
		  • DSS management and updating
		  • DSS instruction/training
		• DSS Evaluation and Impact
		  • Evaluation metrics and processes
		  • DSS impact on decision makers
		  • Organizational processes and performance
			2

574	Information Processing Letters	• Algorithms • Analysis of algorithms • Approximation algorithms • Automatic theorem proving • Combinatorial problems • Compilers • Computational complexity • Computational geometry • Concurrency • Cryptography • Databases	3

JID	Journal Name	Aims and Scopes	xID
		• Data structures • Design of algorithms • Distributed computing • Distributed systems • Fault tolerance • Formal languages • Formal methods • Formal semantics • Functional programming • Graph algorithms • Information retrieval • Interconnection networks • On-line algorithms • Operating systems • Parallel algorithms • Parallel processing • Performance evaluation • Program correctness • Program derivation • Programming calculi • Programming languages • Program specification • Randomized algorithms • Real–time systems • Safety/security in digital systems • Scheduling • Software design and implementation • Software engineering • Specification languages • Theory of computation	
575	Renewable Energy	• Biomass conversion • Photovoltaic technology conversion • Solar thermal applications • Wind energy technology • Desalination • Solar and low energy architecture • Climatology and meteorology • Geothermal technology • Wave, tide and ocean thermal energies • Hydro power • Hydrogen production technology and fuel cells • Socio-economic and policy issues	3
576	Journal of Logical and Algebraic Methods in Programming	• Applications of algebras, co-algebra and categories to programming • Applications of proof theory and model theory to programming • Constraint programming • Foundations of Programming Paradigms • Logic programming • Logical Foundations of Program Security • Models and Analytical Models for Cyber-Physical Systems • Process Calculi • Programming Models • Quantitative Methods for System Analysis • Specification and verification of systems	5

JID	Journal Name	Aims and Scopes	xID
577	Automated Software Engineering	• Foundations, techniques, tools and applications of automated software engineering technology • Automatic systems • Collaborative systems • Computational models of human software engineering activities • Knowledge representations • Artificial intelligence techniques applicable to automated software engineering • Formal techniques that support or provide theoretical foundations	1
578	Ecological indicators	• New indicators, and new approaches and methods for indicator development, testing and use • Development and modelling of indices, e.g. application of indicator suites across multiple scales and resources • Analysis and research of resource, system- and scale-specific indicators • Methods for integration of social and other valuation metrics for the production of scientifically rigorous and politically-relevant assessments using indicator-based monitoring and assessment programs • Approaches on how research indicators can be transformed into direct application for management purposes • Broader assessment objectives and methods, e.g. biodiversity, biological integrity, and sustainability, through the use of indicators • Resource-specific indicators such as landscape, agroecosystems, forests ecosystems, aquatic ecosystems, wetlands	5
579	Siam Journal on Control and Optimization	• Mathematics and applications of control theory • dynamics of deterministic or stochastic systems in continuous or discrete time • Dealing with differential equations, dynamics, infinite-dimensional spaces • Fundamental issues in variational analysis and geometry	2

580	Swarm and Evolutionary Computation	• Genetic Algorithms, and Genetic Programming
		• Evolution Strategies, and Evolutionary Programming
		• Differential Evolution
		• Artificial Immune Systems
		• Particle Swarms
		• Ant Colony
		• Bacterial Foraging
		• Artificial Bees
		• Fireflies Algorithm
		• Harmony Search
		• Artificial Life
		• Digital Organisms
		• Estimation of Distribution Algorithms
		• Stochastic Diffusion Search
		• Quantum Computing
		• Nano Computing
		• Membrane Computing
		• Human-centric Computing
		• Hybridization of Algorithms
		• Memetic Computing
		• Autonomic Computing
		• Self-organizing systems
		• Combinatorial, Discrete, Binary, Constrained, Multi-objective, Multi-modal, Dynamic, and Large-scale Optimization
		• Applications:
		  • Aerospace
		  • Systems and Control
		  • Robotics
			6

JID	Journal Name	Aims and Scopes	xID
		• Power Systems • Communication Engineering • Operations Research and Decision Sciences • Financial Services and Engineering • (Management) Information Systems • Business Intelligence • internet computing • Sensors • Image Processing • Computational Chemistry • Manufacturing • Structural and Mechanical Designs • Bioinformatics • Computational Biology • Mathematical and Computational Psychology • Cognitive Neuroscience • Brain-computer Interfacing • Future Computing Devices • Nonlinear statistical and Applied Physics • Environmental Modeling and Software	
581	IET Information Security	• Access Control and Database Security • Ad-Hoc Network Aspects • Anonymity and E-Voting • Authentication • Block Ciphers and Hash Functions • Blockchain, Bitcoin (Technical aspects only) • Broadcast Encryption and Traitor Tracing • Combinatorial Aspects • Covert Channels and Information Flow • Critical Infrastructures • Cryptanalysis • Dependability • Digital Rights Management • Digital Signature Schemes • Digital Steganography • Economic Aspects of Information Security • Elliptic Curve Cryptography and Number Theory • Embedded Systems Aspects • Embedded Systems Security and Forensics • Financial Cryptography • Firewall Security • Formal Methods and Security Verification • Human Aspects • Information Warfare and Survivability • Intrusion Detection • Java and XML Security • Key Distribution • Key Management • Malware • Multi-Party Computation and Threshold Cryptography • Peer-to-peer Security • PKIs • Public-Key and Hybrid Encryption	6

JID	Journal Name	Aims and Scopes	xID
		• Quantum Cryptography • Risks of using Computers • Robust Networks • Secret Sharing • Secure Electronic Commerce • Software Obfuscation • Stream Ciphers • Trust Models • Watermarking and Fingerprinting •	
582	Biology Direct	• Agricultural and biological sciences • Ecology, evolution, behavior and systematics • Biochemistry, genetics and molecular biology • Immunology and microbiology • Applied mathematics • Modeling and simulation	3
583	Telematics and Informatics	• Smart cities • Sensors and information fusion • The digital society and digital platforms • Internet of things (IoT) • Cyber-physical technologies, privacy • Knowledge management • Distributed work • Emergency response and hazards • Mobile and wireless communications • Health informatics • Psychosocial effects of social media • ICT for sustainable development • Blockchain • E-commerce • E-government	1
584	Journal of transport, Economics and Policy	• Passenger transport • Freight transport • Shipping • Aviation • transport infrastructure • Environment & energy • traffic • Planning and policy • Safety • Costs and pricing • Competition • Evaluation • Productivity • Demand & Elasticities • Service quality • Economies of scale • Economic Regulation • Choice	5
585	Discrete Applied Mathematics	• Different areas of algorithmic and applicable discrete mathematics as well as applications of combinatorial mathematics to informatics and various areas of science and technology	6
586	IEEE Spectrum	• The development, applications and implications of new technologies	1

JID	Journal Name	Aims and Scopes	xID
		• All technical issues and advances in computers, communications, and electronics	
587	IEEE Computational Intelligence Magazine	• Applications oriented developments • Successful industrial implementations • Design tools • Technology reviews • Computational intelligence education • Applied research	2
588	Journal of Biomedical Informatics	• Biomedical informatics methodology • articles motivated by applications in the biomedical sciences (for example, clinical medicine, health care, population health, and translational bioinformatics • Medical devices • Evaluations of implemented systems (including clinical trials of information technologies) • Papers that provide insight into a biological process, a specific disease, or treatment options would generally be more suitable for publication in other venues • Papers on applications of signal processing and image analysis are often more suitable for biomedical engineering journals or other informatics journals.	2
589	Journal of Finance	• All the major fields of financial research	6
590	International Journal of Quantum Information	• Quantum cryptography • Quantum computation • Quantum communication • Fundamentals of quantum mechanics	3
591	Quality Engineering	• Experimental engineering design and analysis • Measurement system analysis in engineering • Engineering process modelling • Product and process optimization in engineering • Quality control and process monitoring in engineering • Engineering regression • Reliability in engineering • Response surface methodology in engineering • Robust engineering parameter design • Six Sigma method enhancement in engineering • Statistical engineering • Engineering test and evaluation techniques	3
592	MIT Sloan Management Review	• Research on the management implications of one significant transformation in the business environment • Explores the most important business opportunities and challenges that managers face from AI • Discourse among academic researchers, business executives, and other influential thought leaders about advances in management practice, particularly those shaped by technology • New management research and innovative ideas	5
593	IEEE Transactions on Very Large-Scale Integration (VLSI) Systems	• System Specification, Design and Partitioning • System-level Test • Reliable VLSI/ULSI Systems • High Performance Computing and Communication Systems • Wafer Scale Integration and Multichip Modules (MCMs) • High-Speed Interconnects in Microelectronic Systems • VLSI/ULSI Neural Networks and Their Applications • Adaptive Computing Systems with FPGA components • Mixed Analog/Digital Systems • Cost, Performance Tradeoffs of VLSI/ULSI Systems • Adaptive Computing Using Reconfigurable Components (FPGAs)	1

JID	Journal Name	Aims and Scopes	xID
594	Journal of Political Economy	• Monetary theory • Fiscal policy • Labor economics • Development • Micro- and macroeconomic theory • International trade and finance • Industrial organization • Social economics	5
595	International Journal of Uncertainty Fuzziness and Knowledge-Based Systems	• Fuzziness and Knowledge-Based Systems	6

596	International Journal of Web and Grid Services	• Web Services
		  • Web Services modelling and performance
		  • Web Service frameworks, architectures, and infrastructures
		  • Web semantics
		  • Web Services specification and discovery
		  • Business process integration and management using Web Services
		  • Resource management and solution management
		  • Web Service security
		  • Web Services in e-Commerce
		  • Quality of Web Services
		  • Web Services case studies and applications
		• Grid Services
		  • Workflow planning and composition for Grid services (including languages, algorithms, resources, etc.)
		  • Software engineering (e.g. modelling, description, deployment, packaging, and distribution) for Grid Services
		  • Business semantics, meta data, and ontologies in Grids
		  • Grid service compatibility, interoperability, and policy
		  • Intelligent services and Grid Service agents
		  • Grid service business models and applications (e.g. in e-Business, e-Science, Enterprise, Telecom etc.)
		  • Security and reliability engineering in service Grids
		  • Performance issues, testing, and benchmarking of Grid Services and infrastructures
		  • Integration and interoperability of Grid Services and legacy systems
		  • Practical applications of Grid Computing
		• Convergence
		  • Convergence of Web Services, Semantic Web, agent technology and the Grid
		  • Confluence of service-oriented architectures based on Web Services with Grid Computing
		  • Usage of Web Services and agents in a Grid infrastructure
		  • Grid based Web Services applications
			5

597	Journal of Forensic Sciences	• Pathology and biology • Toxicology • Psychiatry and behavioral sciences • Odontology • Physical anthropology • Jurisprudence • Criminalistics • Questioned documents • Engineering sciences • Digital and multimedia sciences	3
598	Applied and Environmental	• Genetics and Molecular Biology	6

JID	Journal Name	Aims and Scopes	xID
	Microbiology	• Enzymology and Protein Engineering • Physiology • Biotechnology • Mycology • Public Health Microbiology • Environmental Microbiology • Microbial Ecology • Geomicrobiology • Food Microbiology • Plant Microbiology • Invertebrate Microbiology • Methods • Biodegradation • Evolutionary and Genomic Microbiology	
599	Computer Vision and Image Understanding	• Image analysis • Image understanding • Matching and recognition • Vision systems	3
600	Energy Conversion and Management	• Energy generation, utilization, conversion, storage, transmission, conservation, management and sustainability. • Various types of energy such as mechanical, thermal, nuclear, chemical, electromagnetic, magnetic and electric • Renewable resources (e.g., solar, bio, hydro, wind, geothermal and ocean energy) • Fossil fuels and nuclear resources.	2
601	Fuzzy Sets and Systems	• Fuzzy Sets whether on empirical or mathematical foundations • Fuzzy applications to any domain of information technology • Any field of investigation where fuzzy sets are relevant	3
602	Software Quality Journal	• All aspects of software quality from both a practical and an academic viewpoint.	2
603	Wireless Networks	• Network architectures for personal communication systems • Wireless lans • Radio • Tactical and other wireless networks • Design and analysis of protocols • Network management and network performance • Network services and service integration • Nomadic computing • Internets working with cable and other wireless networks • Standardization and regulatory issues • Specific system descriptions • Applications and user interface • Enabling technologies for wireless networks	3
604	IEEE Transactions on Biomedical Engineering	• Engineering development in methods and techniques with biomedical applications to experimental and clinical investigations with engineering contributions	3
605	IEEE Geoscience and Remote Sensing Letters (GRSL)	• The theory, concepts and techniques of science and engineering as applied to sensing the earth, oceans • Atmosphere, and space • The processing, interpretation, and dissemination of this information	1
606	Asian Pacific Journal of Tropical Medicine	• Academic communicating platform for international physicians, medical scientists, allied health scientists and public health workers, especially those of the Asia-Pacific region and worldwide on tropical medicine, infectious diseases and public health, and to meet the growing challenges of understanding, preventing and controlling the dramatic global	1

JID	Journal Name	Aims and Scopes	xID
		emergence and re-emergence of infectious diseases in the Asia-Pacific.	
607	International Journal of Pattern Recognition and Artificial Intelligence	• New developments in the fields of pattern recognition and artificial intelligence • The recognition and understanding of sensory data like speech or images • Important subfields of artificial intelligence • Knowledge representation, inference, search or learning that belong to the center of artificial intelligence	3
608	Journal of The American Statistical Association	• Statistical applications, theory, and methods in economic, social, physical, engineering, and health sciences	6
609	Security Journal	• Social Sciences, general • Criminology and Criminal Justice, general • Crime and Society	2
610	IEEE Transactions on Cybernetics	• Computational intelligence • Computer vision • Neural networks • Genetic algorithms • Machine learning • Fuzzy systems • Cognitive systems • Decision making • Robotics	5
611	Computing	• Autonomic, adaptive, dependable computing • Parallel computing • Services computing and cloud computing • Green computing • Internet computing • Business process computing • Software evolution and mining • Architectural concepts for systems • Network science • Social networks • Collective intelligence	5

612	Building and Environment	• Technologies, especially smart technologies, and integrated systems for high performance buildings and cities
		• Thermal, acoustic and visual performance and comfort, and air quality in building science and engineering, and their impacts on human beings
		• Tools for the design and decision-making community
		  • Tested computational
		  • Economic
		  • Educational
		  • Policy tools
		• Solutions for mitigating environmental impacts
		• Achieving low carbon
		• Sustainable built environments
			5

613	Applied Physics Letters (APL)	• Photonics and optoelectronics • Surfaces and interfaces • Structural, mechanical, optical, and thermodynamic properties of advanced materials • Semiconductors • Magnetics and spintronics • Superconductivity and superconducting electronics • Dielectrics, ferroelectrics, and multiferroics • Nanoscale science and technology	1

JID	Journal Name	Aims and Scopes	xID
		• Organic electronics and photonics • Device physics • Biophysics, Biomaterials, Liquids and Soft Matter • Energy conversion and storage • Interdisciplinary and general physics	
614	Business Process Management Journal	• BPM in eBusiness, eCommerce and eGovernment • Web-based enterprise application integration • eBPM, ERP, CRM, ASP & SCM • Knowledge management and learning organization • Methodologies, techniques and tools of business process modeling, analysis and design • Techniques of moving from one-shot business process re-engineering to continuous improvement • Best practices in BPM • Performance management • Tools and techniques of change management • BPM case studies	6
615	IET Computer Vision	• Biologically and perceptually motivated approaches to low level vision (feature detection, etc.); • Perceptual grouping and organisation • Representation, analysis and matching of 2D and 3D shape • Shape-from-X • Object recognition • Image understanding • Learning with visual inputs • Motion analysis and object tracking • Multiview scene analysis • Cognitive approaches in low, mid and high level vision • Control in visual systems • Colour, reflectance and light • Statistical and probabilistic models • Face and gesture • Surveillance • Biometrics and security • Robotics • Vehicle guidance • Automatic model aquisition • Medical image analysis and understanding • Aerial scene analysis and remote sensing • Deep learning models in computer vision	6
616	Soft Computing	• Soft computing foundations, methodologies and applications • The integration of soft computing theoretical and practical results into both every day and advanced applications. • Evolutionary algorithms, genetic programming, swarm intelligence, neural science, neural net systems, fuzzy set theory, fuzzy systems, Bayesian networks, chaos theory, chaotic systems. • Soft Computing - Section Foundations: Algebra and algebraic logic, Computational paradigms and computational complexity, Description logic, temporal logic, dynamic logic, and modal logic, Domain theory and type theory, Fuzzy logic, fuzzy set theory, and many-valued logic, Substructural logic, Probability logic, belief functions, etc. • Soft Computing – Section Methodologies and Applications: computer networks, data mining, image and video processing, intelligence agents, machine learning, pattern recognition, robotics, web intelligence	6
617	Journal of Construction Engineering	• Construction material handling	2

JID	Journal Name	Aims and Scopes	xID
	and Management	• Equipment • Production planning • Specifications • Scheduling • Estimating • Cost control • Quality control • Labor productivity • Inspection • Contract administration • Construction management • Computer applications • Environmental concerns.	
618	Computers and Mathematics with Applications	• Modeling using Partial Differential Equations (PDEs). • Analysis of mathematical models, formulated in terms of PDEs. • Discretization Methods and Numerical Analysis for PDEs. • Numerical linear and nonlinear algebra. Fast numerical algorithms. • Algorithms and Data Structures. Adaptivity. Computational Geometry. • Software Design, Code verification and Quality Assurance (QA). • Verification and Validation.	6
619	Journal of Manufacturing Technology Management	• Automation of manufacturing processes and systems • Complexity, variety, flexibility and production scale issues • Computer-aided production and the elements of computer integrated manufacturing • Design and implementation of manufacturing technology • Design for manufacture and simultaneous/concurrent engineering • Economic and financial issues relating to manufacturing companies and industries • Global manufacturing networks and international operations • Human factors, work organization and workforce demographics • Information systems in manufacturing • Manufacturing in developing and emerging economies • Manufacturing performance and productivity measurement • Modelling, clearly supported by empirical evidence • Purchasing and materials management • Quality management systems and quality control • Reliability and maintenance of manufacturing systems • Risk, security and liability issues in manufacturing • Supply chain management, logistics and reverse logistics • Sustainable production and “green” manufacturing • Strategy formulation relating to manufacturing operations and technologies • Technological innovation in manufacturing • Technology transfer and dissemination in manufacturing industries	3
620	Semantic Web	• The Semantic Web • Knowledge Technologies • Ontology • Agents • Databases • Semantic Grid and Peer-to-Peer Technology • Information Retrieval • Language Technology • Human-Computer Interaction • Knowledge Discovery • Web Standards	5

JID	Journal Name	Aims and Scopes	xID
621	IEEE Transactions on Instrumentation and Measurement	• Theory, methodology, and practice of measurement • Design, development and evaluation of instrumentation and measurement systems and components used in generating, acquiring, conditioning and processing signals • Analysis, representation, display, and preservation of the information obtained from a set of measurements; • Scientific and technical support to establishment and maintenance of technical standards in the field of instrumentation and measurement.	1
622	Information Communication and Society	• What are the new and evolving forms of social software • What direction will these forms take? • ICTs facilitating globalization and how might this affect conceptions of local identity, ethnic differences, and regional sub-cultures? • Are ICTs leading to an age of electronic surveillance and social control • What are the implications for policing criminal activity, citizen privacy and public expression? • How are ICTs affecting daily life and social structures such as the family, work and organization, commerce and business, education, health care, and leisure activities? • To what extent do the virtual worlds constructed using ICTs impact on the construction of objects, spaces, and entities in the material world?	2

623	ACM Transactions on Database Systems	• The following aspects of database systems:
		  • Data modeling and semantics
		  • Database design
		  • Data models and query languages
		  • Query processing and optimization
		  • Analytics, aggregation, warehousing, olap
		  • Storage, physical database design
		  • Access methods and indexing
		  • Transaction management and processing
		  • Data integration
		  • Security, privacy, authentication, provenance, and trust
		  • Cloud computing
		  • Data management applications and infrastructures
		  • Systems architectures
		  • Distributed data management
		  • In-memory data management
			3

624	Ima Journal of Applied Mathematics	• Mathematics arising in the physical sciences and engineering as well as suitable articles in the life sciences, social sciences, and finance • Continuum mechanics materials science and elasticity • Including boundary layer theory • Combustion • Complex flows and soft matter • Electrohydrodynamics and magnetohydrodynamics • Geophysical flows • Granular flow • Interfacial and free surface flows • Vortex dynamics • Elasticity theory • Linear and nonlinear wave propagation • Nonlinear optics and photonics • Inverse problems • Applied dynamical systems and nonlinear systems • Mathematical physics • Stochastic differential equations and stochastic dynamics • Network science	6

JID	Journal Name	Aims and Scopes	xID
		• Industrial applications	
625	Journal of Applied Physiology	• Inherent adaptations such as those related to development, aging, and pathophysiological conditions • Adaptations to the external environment such as those occurring with exercise, microgravity, hypoxia, hypo- and hyperbaria, and hypo- and hyperthermic conditions • Integrative physiology • Horizontal integration across organ systems • Vertical integration from molecule to cell to organ • Molecular and cellular biology	2
626	Applied Mathematics and Computation	• Interface between applied mathematics, numerical computation, and applications of systems – oriented ideas to the physical, biological, social, and behavioral sciences, and emphasizes papers of a computational nature focusing on new algorithms, their analysis and numerical results	1
627	ACM Transactions on Information Systems	• The design and evaluation of computer software that helps people find, organize, analyze, and use information in a variety of media	3
628	New Review of Hypermedia and Multimedia	• Hypermedia • Hypertext • Interactive multimedia and related technologies	2
629	Transport	• Transport policy • Fundamentals of the transport system • Technology for carrying passengers and freight using road, railway, inland waterways, sea and air transport • Technology for multimodal transportation and logistics, loading technology, roads, railways, airports, ports, pipeline transport • Industrial and technological transport • Agricultural motor vehicles • Traffic safety and environment protection • Design, manufacture and exploitation of motor vehicles, transport energetics, fuels, lubricants and maintenance materials • Teamwork of customs and transport • Insurance • Transport information technologies • Transport economics and management • Transport standards • Transport educology • Transport history	5
630	Herald of The Russian Academy of Sciences	• Presents various viewpoints on important subjects related to all fields of science	1
631	International Journal of Bifurcation and Chaos	• Engineering • Medicine • Information Technology • Environmental Technology • Management Sciences	5
632	Image and Vision Computing	• Comments on success and challenges in a (sub-) field of computer vision • Remarks on new frontiers in computer vision • Observations on current practices and trends in research, and suggestions for overcoming unsatisfying aspects • Observations on current practices and trends in the community regarding, e.g., reviewing process, organizing conferences, how journals are run, and suggestions for overcoming unsatisfying aspects • Reviews of early seminal work that may have fallen out of fashion	5

JID	Journal Name	Aims and Scopes	xID
		• Summaries of the evolution of one's line of research • Recommendations for educating new generations of vision researchers	
633	Annals of Emergency Medicine	• Annals regularly publishes articles on out-of-hospital emergency medical services • Pediatric emergency medicine • Injury and disease prevention • Health policy and ethics • Disaster management • Toxicology, and related topics.	2
634	IETE Technical Review	• Artificial intelligence • Bio-informatics • Biomedical electronics • Broadcasting • Circuits and systems • Communications • Computers • Computer graphics • Computer aided design (CAD) • Control and automation • Control systems • Display technology • Distributed systems • Digital communication • Electromagnetics • Electronic devices and components • Fuzzy systems • Image processing • Industrial electronics • Information technology • Instrumentation and measurements • Intelligent computing and systems • Internet computing • Knowledge and data engineering • Medical Electronics • Microelectromechanical systems • Microwaves and antennas • Mobile computing • Multimedia • Nanotechnology • Networking • Optoelectronics • Power electronics • Remote sensing • Quantum electronics • Reliability • Sensors • Signal processing • Space electronics • Vehicular communications • VLSI • Wireless communications	2
635	Journal of Medical Internet Research	• Health informatics • Information and communication in the healthcare field using internet and intranet-related	3

JID	Journal Name	Aims and Scopes	xID
		technologies • e-Health	
636	Disaster Medicine and Public Health Preparedness	• Medical and public health communities	5
637	Journal of Heuristics	• The state-of-the-art in the theory and practical application of techniques for solving problems approximately that cannot be solved exactly • Practical applications, theoretical developments, decision analysis models that consider issues of rational decision making with limited information, artificial intelligence-based heuristics applied to a wide variety of problems, learning paradigms, and computational experimentation.	1
638	IEEE Transactions on Consumer Electronics	• The theory, design, construction, manufacture or end use of mass market electronics, systems, software and services for consumers	1
639	Journal of Trauma and Acute Care Surgery	• The scientific basis to optimize care of the severely injured and critically ill surgical patient.	6
640	Journal of Computer-Mediated Communication	• Communication • Business • Education • Political science • Sociology • Psychology • Media studies • Information science	5
641	SIAM Journal on Scientific Computing	• Numerical methods and techniques for scientific computation	6
642	IEEE Transactions on Industry Applications	• The theory and practice of electrical and electronic engineering in the development, design, manufacture, and application of electrical systems, apparatus, devices, and controls to the processes and equipment of industry and commerce • The promotion of safe, reliable, and economic installations • Industry leadership in energy conservation and environmental, health, and safety issues • The creation of voluntary engineering standards and recommended practices • The professional development of its membership	1
643	Kybernetes	• All domains of human, social, and ecological sciences • Impact of technology on human beings and society	5
644	IEEE Vehicular Technology Magazine	• The theoretical, experimental, application and operational aspects of electrical and electronic engineering relevant to motor vehicles and associated land transportation infrastructure • Mobile radio shall • Motor vehicles shall • Land transportation shall • Intra-vehicular components, systems and applications	6
645	Optical Switching and Networking	• Optical and Opto-Electronic Backbone, Metropolitan and Local Area Networks • Optical Data Center Networks • Elastic optical networks • Green Optical Networks • Software Defined Optical Networks • Novel Multi-layer Architectures and Protocols (Ethernet, Internet, Physical Layer) • Optical Networks for Interet of Things (IOT) • Home Networks, In-Vehicle Networks, and Other Short-Reach Networks • Optical Access Networks • Optical Data Center Interconnection Systems • Optical OFDM and coherent optical network systems	6

JID	Journal Name	Aims and Scopes	xID
		• Free Space Optics (FSO) networks • Hybrid Fiber - Wireless Networks • Optical Satellite Networks • Visible Light Communication Networks • Optical Storage Networks • Optical Network Security • Optical Network Resiliance and Reliability • Control Plane Issues and Signaling Protocols • Optical Quality of Service (OQoS) and Impairment Monitoring • Optical Layer Anycast, Broadcast and Multicast • Optical Network Applications, Testbeds and Experimental Networks • Optical Network for Science and High-Performance Computing Networks	
646	IEEE Transactions on Image Processing	• The mathematical and statistical • Perceptual modeling, representation, formation, coding, filtering, enhancement, restoration, rendering, halftoning • Analysis of images, video, and multidimensional signals • Applications of interest include image and video communications • Electronic imaging, biomedical imaging, image and video systems • Remote sensing	1
647	Artificial Intelligence	• Artificial Intelligence and Philosophy • Automated reasoning and inference • Case-based reasoning • Cognitive aspects of AI • Commonsense reasoning • Constraint processing • Heuristic search • High-level computer vision • Intelligent interfaces • Intelligent robotics • Knowledge representation • Machine learning • Multiagent systems • Natural language processing • Planning and theories of action • Reasoning under uncertainty or imprecision	3
648	Networks	• Applied mathematics • Operations research • Computer science • Discrete mathematics and economics. • Modeling of problems using networks • The analysis of network problems • The design of computationally efficient network algorithms • Innovative case studies of successful network applications	2
649	IEEE Transactions on Evolutionary Computation	• Nature-inspired algorithms • Population-based methods • Optimization where selection and variation are integral, and hybrid systems where these paradigms are combined	2
650	International Journal of Information Management	• Aspects of information management in learning organisations • health care (patients as well health workers and managers) • Business intelligence • Security in organizations • Social interactions and community development	5

JID	Journal Name	Aims and Scopes	xID
		• Knowledge management • Information design and delivery • Information for health care • Information for knowledge creation • legal and regulatory issues • IS-enabled innovations in information • Content and knowledge management • Philosophical and methodological approaches to information management research • New and emerging agendas for information research and reflective accounts of professional practice	
651	Annals of Internal Medicine	• Clinical practice • Health care delivery • Public health • Health care policy • Medical education • Ethics, and research methodology	2
652	IEEE Signal Processing Letters	• Original, cutting-edge ideas and timely, significant contributions in signal, image, speech, language and audio processing	1

653	Entropy	• Physics and Engineering
		  • Thermodynamics
		  • Statistical mechanics
		  • The second law of thermodynamics
		  • Reversibility
		  • Quantum mechanics
		  • Black hole physics
		  • Maximum entropy methods
		  • Maximum entropy production
		  • Evolution of the universe
		• Information Theory
		  • Shannon entropy
		  • Kullback-Leibler divergence
		  • Channel capacity
		  • Renyi and other entropies, and applications
		• Complex Systems
		  • Self-organization
		  • Chaos and nonlinear dynamics
		  • Simplicity and complexity
		  • Networks
		  • Symmetry breaking, similarity
		• Inquiry
		  • Experimental design
		  • Database querying
		  • Sensor placement
		  • Intelligent sampling
		• Computing
		  • Big data
		  • Database design and querying
		  • Networks
		  • Cloud computing
		  • Pattern recognition
		  • Coding and compression
		  • Information transfer
			2

JID	Journal Name	Aims and Scopes	xID
		• Reversibility • Information loss • Social networking • Chemistry and Biology • Chemical networks • Energy • Enthalpy • Maximum entropy methods • Biological networks • Evolution • DNA and RNA, diversity • Machine Learning and Systems Theory • Artificial intelligence • Neural networks • Cybernetics • Robotics • Man-machine interfaces • Economics • Thermoeconomics • Info-metrics • Maximum entropy methods • Game theory	
654	International Journal of Electrical Power and Energy Systems	• Modern Substations • Traditional Power System Disciplines • Integration of AC and DC grids • Green Power and Energy Technologies and Systems • Smart Transmission Grids • Power System Transients and Testing • Smart Distributed and Autonomous Energy Systems • Information and Communication infrastructure for future power systems • Standardisation and new energy policies in using novel technologies for future power systems	6
655	International Journal of Robotics Research	• Applied mathematics to artificial intelligence to computer science, to electrical and mechanical engineering • Robotics	3
656	American Mathematical Monthly	• Mathematics and the profession	6
657	Journal of Real-Time Image Processing	• Real-time image and video processing algorithms • Real-time embedded image/video processing systems • Real-time image and video processing hardware and architecture • FPGA • DSP • GPU • GPP • ASIC • System-on-Chip (SoC) • System-in-a-Package (SiP) implementations • Real-time software optimizations and related design paradigms for image/video processing • Real-time hardware/software co-design for image and video processing • Real-time image and video processing applications • Digital, cell-phone, and smart cameras • Machine vision • Industrial inspection	2

JID	Journal Name	Aims and Scopes	xID
		• Surveillance and security • Image and video compression for transmission and for database storage and retrieval • Biomedical imaging • Spectral imaging, etc.	
658	Annals of Operations Research	• Key aspects of operations research, including theory, practice, and computation • Fields of operations research, ranging from the highly theoretical to the algorithmic and the applied	1
659	Journal of Cryptology	• Coding and Information Theory • Computational Mathematics and Numerical Analysis • Combinatorics • Probability Theory and Stochastic Processes • Communications Engineering, Networks	2
660	IEICE Transactions on Fundamentals of Electronics Communications and Computer Sciences	• New theories, experiments with new contents, or extensions of and supplements to conventional theories and experiments • Development of measurement technology and various applied technologies • The planning, design, manufacture, testing, or operation of facilities, machinery, parts, materials, etc • Research for prompt announcement	3
661	ACTA of Bioengineering and Biomechanics	• Tissue Biomechanics, • Orthopedic Biomechanics, • Biomaterials, • Sport Biomechanics	2
662	Academy of Management Review	• Theoretical insights that advance our understanding of management and organizations • New management and organization theory • Significantly challenge or clarify existing theory • Synthesize recent advances and ideas into fresh • Normal science disciplines of • Economics • Psychology • Sociology • Social psychology	5
663	Computer Methods and Programs in Biomedicine	• Biochemists • Biologists • Geneticists • Immunologists • Neuroscientists • Pharmacologists • Toxicologists • Clinicians • Epidemiologists • Psychiatrists • Psychologists • Cardiologists • Chemists • (radio)physicists • Computer scientists • Programmers and systems analysts • Biomedical, clinical, electrical and other engineers • Teachers of medical informatics and users of educational software	6
664	IEEE Transactions on Reliability	• Maintainability, physics of failure, life testing, prognostics, design and manufacture for	1

JID	Journal Name	Aims and Scopes	xID
		reliability, reliability for systems of systems, network availability, mission success, warranty, safety, and various measures of effectiveness	
665	Medical Physics	• Medicine and human biology	5
666	Journal of Computer Science and Technology	• Computer architecture and systems • Artificial intelligence and pattern recognition • Computer networks and distributed computing • Computer graphics and multimedia • Software systems • Data management and data mining • Theory and algorithms • Emerging areas	3
667	Systems and Control Letters	• All aspects of the fields of systems and control • Mathematically-oriented and theoretical papers that have a clear relevance to engineering, physical and biological sciences, and even economics • Application-oriented papers with sophisticated and rigorous mathematical elements	1
668	IEEE Transactions on Computer-Aided Design of Integrated Circuits and Systems	• Computer-aided design of integrated circuits and systems composed of analog, digital, mixed-signal, optical, or microwave components • Methods, models, algorithms, and man-machine interfaces for system-level, physical and logical design including: planning, synthesis, partitioning, modeling, simulation, layout, verification, testing, hardware-software co-design and documentation of integrated circuit and system designs of all complexities • Design tools and techniques for evaluating and designing integrated circuits and systems for metrics such as performance, power, reliability, testability, and security	1
669	Development Policy Review	• Any aspect of development policy from all social science disciplines • Interdisciplinary and address contemporary policy questions	1
670	ACTA Tropica	• Biology of pathogens and vectors • Host-parasite relationships • Mechanisms of pathogenicity • Clinical disease and treatment • Epidemiology • Disease ecology • Diagnostics • Interventions and control • Mathematical modeling • Public health and social sciences • Climate change • Parasite and vector taxonomy • Host and parasite genomics • Biochemistry and immunology and vaccine testing	2
671	Saudi Journal of Biological Sciences	• Biology, Ecology and Ecosystems, Environmental and Biodiversity • Conservation • Microbiology • Physiology • Genetics and Epidemiology	1
672	International Journal of Engineering Science	• Broad spectrum of contribution in the engineering sciences • Issues concerning material modeling and response • Interdisciplinary nature	2
673	Environmental Monitoring and Assessment	• The use of monitoring in pollution assessment • The design and development of single medium and multimedia monitoring systems • The scientific basis for monitoring	3

JID	Journal Name	Aims and Scopes	xID
		• The development of monitoring systems which allow direct or indirect estimates of pollutant exposure to critical receptors • Methods and procedures of pollution risk assessment • Monitoring systems designed to detect changes in land use patterns	
674	Journal of Intelligent Manufacturing	• The applications of artificial intelligence in manufacturing	3
675	International Journal of Theoretical Physics	• Physics, general • Quantum Physics • Elementary Particles, Quantum Field Theory • Theoretical, Mathematical and Computational Physics	5
676	Operational Research	• Operations Research/Decision Theory • Operations Research, Management Science • Computational Intelligence	2
677	Journal of Statistical Software	• large scale computing, database technology, desktop computing, distributed systems, the World Wide Web, reproducible research, archiving and documentation, and embedded systems.	6
678	Progress in Electromagnetics Research-Pier	• All aspects of electromagnetic theory and applications	3
679	Information and Management	• New and advanced developments in the field of information systems • Material for training and education in information systems • Information systems methodology and applications • Information system development and usage in their use of managerial policies, strategies, and activities for business, public administration, and international organizations	3
680	Critical Reviews in Microbiology	• Molecular biology • Immunopathogenicity • Physiology • Biochemistry • Structure, and epidemiology • Clinical aspects of bacterial • Virological, fungal and parasitic diseases	2
681	Human-centric Computing and Information Sciences	• Human-computer interaction and User-centered Design • Social computing and social intelligence • Ubiquitous computing and mobile systems • Gaming and Semantic Systems • Computer-assisted Learning and Cognition • Privacy, Security and trust management • Information Visualization and Visual Analytics • Foundations of Information Science, such as Information Theory, AI, and Soft Computing • Implementations and Information Technology • Applications with Image Processing, Computer Vision Systems, Language and Search Engine Design	5
682	Journal of Human Hypertension	• Clinical aspects of hypertension • Epidemiology	3
683	Journal of the American College of Cardiology	• Basic & Translational Research • Cardiac Pacing • Clinical Cardiology • CME-MOC-ECME • Congenital Heart Disease • Coronary, Peripheral & Structural Interventions	5
684	Journal of Economic Literature	• Economics	3

JID	Journal Name	Aims and Scopes	xID

685	Computational Statistics and Data Analysis	• Computational Statistics
		  • The explicit impact of computers on statistical methodology (e.g., Bayesian computing, bioinformatics, computer graphics, computer intensive inferential methods, data exploration, data mining, expert systems, heuristics, knowledge-based systems, machine learning, neural networks, numerical and optimization methods, parallel computing, statistical databases, statistical systems)
		  • The development, evaluation and validation of statistical software and algorithms. Software and algorithms can be submitted with manuscripts and will be stored together with the online article.
		• Statistical Methodology for Data Analysis
		  • Novel and original data analytical strategies and methodologies applied in biostatistics (design and analytic methods for clinical trials, epidemiological studies, statistical genetics, or genetic/environmental interactions), chemometrics, classification, data exploration, density estimation, design of experiments, environmetrics, education, image analysis, marketing, model free data exploration, pattern recognition, psychometrics, statistical physics, image processing, robust procedures.
		• Statistical methodology includes, but not limited to: bootstrapping, classification techniques, clinical trials, data exploration, density estimation, design of experiments, pattern recognition/image analysis, parametric and nonparametric methods, statistical genetics, Bayesian modeling, outlier detection, robust procedures, cross-validation, functional data, fuzzy statistical analysis, mixture models, model selection and assessment, nonlinear models, partial least squares, latent variable models, structural equation models, supervised learning, signal extraction and filtering, time-series modelling, longitudinal analysis, multilevel analysis and quality control.
		• Special Applications - Manuscripts at the interface of statistics and computing (e.g., comparison of statistical methodologies, computer-assisted instruction for statistics, simulation experiments). Advanced statistical analysis with real applications (social sciences, marketing, psychometrics, chemometrics, signal processing, medical statistics, environmentrics, statistical physics).
			1

686	Wiley Interdisciplinary Reviews-Data Mining and Knowledge Discovery	• The differing perspectives of data mining and knowledge discovery, including a variety of application areas such as:
		  • Technology
		  • Business
		  • Healthcare
		  • Education
		  • Government
		  • Society
		  • Culture
		• Systematic program of content updates
		• Encourage active participation in this field by presenting its achievements and challenges in an accessible way to a broad audience
			6

687	IEEE Industrial Electronics Magazine	• Emerging trends and practices in industrial electronics product research and development • Theory and applications of electronics, controls, communications, instrumentation and computational intelligence to industrial and manufacturing systems and processes	3
688	Advances in Manufacturing	• Manufacturing automation • Mechatronics and robotics • Precision manufacturing and control • Micro-nano-manufacturing • Green manufacturing • Design in manufacturing • Metallic and nonmetallic materials in manufacturing • Metallurgical process	6
689	International Journal of High-	• Aerodynamics and aerospace engineering;	6

JID	Journal Name	Aims and Scopes	xID
	Performance Computing Applications	• Astrophysics and geophysics; • Atmospheric research and meteorological forecasting; • Automotive design and production; • Climate modeling; • Computer graphics and imaging; • Molecular biology and molecular dynamics; • Nuclear physics; • Petroleum reservoir engineering and hydrology; • Pharmaceutical structural analysis and computer-aided design; • Physical oceanography; • Plasma physics; • Quantum chemistry and first principles molecular dynamics; • Solid state physics, and structural dynamics.	

690	Computing in Science and Engineering	• High interest and educational value from a variety of fields:
		  • Physics
		  • Biology
		  • Chemistry
		  • Astronomy
		• Innovative applications in advanced computing, simulation, and analytics, among other cutting-edge techniques
			1

691	Ashrae Journal	• Building and construction • Mechanical engineering • Topics that influence building and system design, installation and operation	3
692	Preventing Chronic Disease (PCD)	• Development, implementation, and evaluation of population-based interventions to prevent chronic diseases and control their effects on quality of life, morbidity, and mortality • Behavioral, psychological, genetic, environmental, biological, and social factors that influence health • Interventions that reduce the disproportionate incidence of chronic diseases among at-risk populations • Development, implementation, and evaluation of public health law and health-policy–driven interventions	1
693	Scientific Programming	• Programming and software engineering for grid computing, high performance computing • Language, compiler, and programming environment issues for scientific computing • Processing very large data sets • Supercomputing • Visualization • Parallel computing • Scientific programming libraries	2
694	Acta Geophysica	• Geophysics/Geodesy • Structural Geology • Geotechnical Engineering & Applied Earth Sciences	5
695	Sustainability	• Air pollution and climate change • Socio-economic, scientific and integrated approaches to sustainable development • Defining and quantifying sustainability • Measuring and monitoring sustainability • Sustainability tools • Applications of sustainability • Policies and laws relating to sustainability • Sustainability science	6
696	IEEE Transactions on Haptics	• Human haptic and multi-sensory perception and action • Aspects of motor control that explicitly pertain to human haptics	1

JID	Journal Name	Aims and Scopes	xID
		• Haptic interactions via passive or active tools and machines • Devices that sense, enable, or create haptic interactions locally or at a distance • Haptic rendering and its association with graphic and auditory rendering in virtual reality • Algorithms, controls, and dynamics of haptic devices, users, and interactions between the two • Human-machine performance and safety with haptic feedback • Haptics in the context of human-computer interactions • Systems and networks using haptic devices and interactions, including multi-modal feedback • Application of the above, for example in areas such as education, rehabilitation, medicine, computer-aided design, skills training, computer games, driver controls, simulation, and visualization	
697	Applied and Computational Mathematics	• Work at the interface between applied mathematics, numerical computation, and applications of systems • Oriented ideas to the physical, biological, social, and behavioral sciences • Emphasizes papers of a computational nature focusing on new algorithms	5
698	Computers and Education	• Aims to increase knowledge and understanding of ways in which digital technology can enhance education, through the publication of high quality research, which extends theory and practice.	6
699	Psicothema	• All areas of psychology	3
700	Journal of Computer and System Sciences	• Theory of algorithms and computability • Formal languages • Automata theory • Complexity theory • Algorithmic Complexity • Parallel & distributed computing • Computer networks • Neural networks • Computational learning theory • Database theory & practice • Computer modeling of complex systems • Security and Privacy	1
701	Nurse Education Today	• Research, review and debate in the discussion of nursing, midwifery and interprofessional health care education • Policy, theory or philosophy of nursing and related health care education	3
702	Journal of Medical Systems	• Mobile & Wireless Health • Quality Improvement • Transaction Processing Systems • Image & Signal Processing • Patient Facing Systems • Education & Training	1
703	Energy	• Mechanical engineering and thermal sciences, with a strong focus on energy analysis, energy modelling and prediction, integrated energy systems, energy planning and energy management • Energy conservation, energy efficiency, biomass and bioenergy, renewable energy, electricity supply and demand, energy storage, energy in buildings, and on economic and policy issues	1
704	IEEE Transactions on Systems Man Cybernetics-Systems	• Issue formulation • Analysis and modeling • Decision making • Issue interpretation for any of the systems engineering lifecycle phases associated with the definition, development, and deployment of large system	5

JID	Journal Name	Aims and Scopes	xID
		• Systems management • Systems engineering processes • Systems engineering methods such as optimization, modeling and simulation	
705	Journal of Mathematical Physics	• Partial Differential Equations • Representation Theory and Algebraic Methods • Many Body and Condensed Matter Physics • Quantum Mechanics • Quantum Information and Computation • Relativistic Quantum Mechanics, Quantum Field Theory, Quantum Gravity, and String Theory • General Relativity and Gravitation • Dynamical Systems • Classical Mechanics and Classical Fields • Fluids • Statistical Physics • Methods of Mathematical Physics	2
706	IEEE Multimedia	• Hardware and software for media compression, coding & processing • Media representations & standards for storage, editing, interchange, transmission & presentation • Hardware platforms supporting multimedia applications • Operating systems suitable for multimedia applications • Storage devices & technologies for multimedia information • Network technologies, protocols, architectures & delivery techniques intended for multimedia • Synchronization issues • Multimedia databases • Formalisms for multimedia information systems & applications • Programming paradigms & languages for multimedia • Multimedia user interfaces • Media creation integration editing & management • Creation & modification of multimedia applications	1
707	Computational and Mathematical Methods in Medicine	• Articles focused on the application of mathematics to problems arising from the biomedical sciences • Gene therapy • Cell kinetics • Pharmacokinetics • Chemotherapy • Oncology • Developmental biology • Wound healing • Physiology • Heart modelling • Cardiovascular and lung dynamics • Neurobiology • Computational neuroscience • Biomechanics • Biomedical statistics • Image analysis • Epidemiology • Immunology • Time series analysis • Extracellular matrix properties	5

JID	Journal Name	Aims and Scopes	xID
		• Signalling, and tissue engineering	
708	IEEE Transactions on Broadcasting	• The field of broadcast technology, including the production, distribution, transmission, and propagation aspects of broadcasting	6
709	Neurocomputing	• Signal processing • Speech processing • Image processing • Computer vision • Control, robotics • Optimization • Scheduling • Resource allocation and financial forecasting.	2
710	Scientific American	• Developments in science and technology	5
711	Journal of Classification	• Statistical Theory and Methods • Pattern Recognition • Bioinformatics • Signal, Image and Speech Processing • Psychometrics • Marketing	2
712	Journal of Central South University	• Materials science and engineering • Metallurgical science and engineering • Mineral processing • Geology and mining • Chemical engineering • Mechanical, electronic and information engineering	3
713	Journal of Simulation	• Operations Research/Decision Theory • Business and Management, general • Information Systems and Communication Service • Simulation and Modeling	5
714	Journal of The American Academy of Dermatology	• Original, peer-reviewed articles cover clinical • Investigative studies, treatments, new diagnostic techniques, and other topics relating to the prevention, diagnosis, and treatment of disorders of the skin	1
715	IEEE Transactions on Nanotechnology	• General area of nanotechnology	1
716	Government Information Quarterly	• Information policies and their impact on government information flows, availability, and access • The impact of information technology on government innovation, transformation, and practice • An open, transparent, and accountable government • Data privacy, protection and security • Participatory decision-making and civic engagement and the role of information technology in promoting and/or limiting civil discourse, participation, and practice • Information flows in public spheres • Co-participation and co-production between the governed and the governing and the influence of technology and policy on the relationship between the public and government • The citizen, the state, information policy, and information technology • The development, implementation, and use of information systems and emerging technologies as platforms and delivery tools for government services and resources,	1

JID	Journal Name	Aims and Scopes	xID
		as well as tools for decision and policy making	
717	Real-Time Systems	• Requirements engineering • Specification and verification techniques • Design methods and tools • Programming languages • Operating systems • Scheduling algorithms • Architecture • Hardware and interfacing • Dependability and safety • Distributed and other novel architectures • Wired and wireless communications • Wireless sensor systems • Distributed databases • Artificial intelligence techniques • Expert systems • Application case studies	1
718	Theory of Computing Systems	• Topics include theoretical aspects of the following items: • Algebraic methods • Algorithmic game theory • Algorithmic information theory • Algorithms and data structures • Analysis of algorithms • Applied graph theory • Approximate algorithms for hard problems • Approximation algorithms • Automata • Formal languages • Combinatorial pattern matching • Communication networks • Complexity and computability theory • Computational and algorithmic learning theory • Computational biology • Computational complexity • Computational geometry • Computational molecular biology • Computational science • Cryptography and security • Data compression algorithms • Data mining • Data structures • Database theory • Distributed algorithms • Distributed computing • Dynamic data structures • Effective mathematics • Exact algorithms • External memory algorithms • Graph algorithms • Kolmogorov complexity • Logic in computer science	1

JID	Journal Name	Aims and Scopes	xID
		• Machine learning • Machine-based complexity theory • Mobile computing • Models of computation • Molecular computation • Networks • Parallel and distributed computing • Physics and computation • Program checking • Property testing • Quantum computing • Randomized algorithms • Routing, broadcasting, searching • String algorithms • Text indexing • Theoretical aspects of parallel algorithms and architectures of networks • Theory of communication networks • Theory of concurrent systems	
719	Seminars in Oncology Nursing	• For the dissemination of knowledge in the complex field of cancer nursing	1
720	Artificial Intelligence Review	• State-of-the-art research reports and critical evaluations of applications, techniques and algorithms in artificial intelligence • Cognitive science and related disciplines	1
721	Attention Perception and Psychophysics	• All areas of research in sensory processes, perception, attention, and psychophysics	1
722	Alzheimers and Dementia	• Rapid communication of new findings, ideas or perspectives • Disseminating knowledge, across the spectrum of basic to clinical studies, necessary for optimal translation of research findings into practical applications/interventions • Integrating knowledge across disciplines • Increase knowledge in diverse disciplines to promote early detection/diagnosis and/or interventions • Formulating new theories and/or strategies for the rigorous testing of theories or their predictions • Identifying promising new directions of research • Providing the scientific impetus for new initiatives • Public policies concerning research on prevention and new models of health services.	1
723	Library and Information Science	• All aspects of information	1
724	Area	• Concise high-quality papers and commentaries that shape key debates within and beyond the discipline of geography	1
725	Bmc Public Health	• Articles on the epidemiology of disease and the understanding of all aspects of public health	1
726	Pattern Analysis and Applications	• Computer vision and image processing • Speech analysis • Robotics • Multimedia • Document analysis • Character recognition • Knowledge engineering for pattern recognition	1

JID	Journal Name	Aims and Scopes	xID
		• Fractal analysis, and intelligent control • The use of advanced pattern recognition and analysis methods including statistical techniques, neural networks, genetic algorithms, fuzzy pattern recognition, machine learning, and hardware implementations	
727	Computer Methods in Applied Mechanics and Engineering	• Solid and structural mechanics • Fluid mechanics • Mechanics of materials • Heat transfer • Dynamics • Geomechanics • Acoustics • Biomechanics • Nanomechanics • Molecular dynamics • Quantum mechanics • Electromagnetics	1
728	Chinese Journal of Aeronautics	• All aspects of aerospace engineering • Scientific and technological achievements and frontiers in aeronautic engineering and astronautic engineering, in both theory and practice • Fluid mechanics and flight mechanics • Solid mechanics and vehicle conceptual design • Avionics and autocontrol • Material engineering and mechanical manufacturing	1
729	International Journal of Remote Sensing	• The theory, science and technology of remote sensing and novel applications of remotely sensed data • Remote sensing of the atmosphere, biosphere, cryosphere and the terrestrial earth, as well as human modifications to the earth system • Remotely sensed data collection, analysis, interpretation and display. • Surveying from space, air, water and ground platforms. • Imaging and related sensors. • Image processing. • Use of remotely sensed data. • Economic surveys and cost-benefit analyses. • Drones Section: Remote sensing with unmanned aerial systems (UASs, also known as unmanned aerial vehicles (UAVs), or drones)	1
730	Applied Optics	• Research in optical technology, photonics, lasers, information processing, sensing and environmental optics	1
731	IEEE Microwave and Wireless Components Letters	• Papers that focus on microwave theory, techniques and applications • Components, devices, circuits, biological effects, and systems involving the generation, modulation, demodulation, control, transmission, and detection of microwave signals	1
732	Networks and Heterogeneous Media (NHM)	• Original contributions of high quality in networks, heterogeneous media and related fields • Complex media arising in mathematical, physical, engineering, socio-economical and bio-medical problems	1
733	Chaos Solitons & Fractals	• Dynamics • Non-equilibrium processes in physics	1

JID	Journal Name	Aims and Scopes	xID
		• Complex matter and networks • Computational biology • Fluctuations and random processes • Self-organization • Social phenomena • Technology	
734	International Journal of Critical Infrastructure Protection (IJCIP)	• All areas of critical infrastructure protection • Analysis of security challenges that are unique or common to the various infrastructure sectors. • Identification of core security principles and techniques that can be applied to critical infrastructure protection. • Elucidation of the dependencies and interdependencies existing between infrastructure sectors and techniques for mitigating the devastating effects of cascading failures. • Creation of sophisticated, yet practical, solutions, for critical infrastructure protection that involve mathematical, scientific and engineering techniques, economic and social science methods, and/or legal and public policy constructs	1
735	Optics Letters	• optical measurements, optical components and devices • atmospheric optics • biomedical optics • Fourier optics • integrated optics • optical processing • optoelectronics, lasers, nonlinear optics, optical storage and holography • optical coherence, polarization, quantum electronics, ultrafast optical phenomena, photonic crystals, and fiber optics	1
736	VLDB Journal	• Privacy-Preserving Data Management • Integration of databases and information retrieval • Data Management, Analysis and Mining for the Life Sciences • Data Stream Processing • XML Data Management • E-Services • Databases and the Web • Multimedia Databases	1
737	Technology and Health Care	• New concepts, procedures and devices associated with the use of technology in medical research and clinical practice are presented to a readership with a widespread background in engineering and/or medicine. • Technical Notes relate to novel technical developments with relevance for clinical medicine • Tutorial and educational articles for persons with a primarily medical background on principles of engineering with particular significance for biomedical applications and vice versa are presented	1
738	Computers Environment and Urban Systems	• Infrastructure and facilities management • Physical planning and urban design • Land use and transportation, business and service planning • Coupled human and natural systems • Urban planning, socioeconomic development, emergency response and hazards, and land	1

JID	Journal Name	Aims and Scopes	xID
		• Resource management • Development and enhancement of computer-based technologies for the analysis and modeling, policy formulation, planning, and management of environmental and urban systems that enhance sustainable futures are especially sought	
739	International Journal of Geographical Information Science	• Original ideas, approaches, methods and experiences in the rapidly growing field of geographical information science (giscience) • Research fundamental and computational issues of geographic information • Issues related to the design, implementation and use of geographical information for monitoring, prediction and decision making	1

740	Vacuum	• Vacuum
		  • Original developments in vacuum pumping and instrumentation, vacuum measurement, vacuum gas dynamics, gas-surface interactions, surface treatment for UHV applications and low outgassing, vacuum melting, sintering, and vacuum metrology
		• Plasma science
		  • Advances in PVD, CVD, plasma-assisted CVD, ion sources, deposition processes and analysis
		• Materials science
		  • Novel functional or structural materials. Metals, ceramics, and polymers
			1

741	Imaging Science Journal	• Fundamental and applied scientific aspects of imaging • Most areas of activity concerned with analogue chemical, electronic, digital and hybrid imaging systems	1
742	Optical Fiber Technology	• Theoretical and experimental papers on fiber materials, devices, and system performance evaluation and measurements are eligible, with emphasis on practical applications	1
743	Methods of Information in Medicine	• Scientists and students in the fields of biomedical informatics • Health informatics • Medical informatics • Medical biometry • Biostatistics, and epidemiology	2
744	Photochemistry and Photobiology	• Primary interaction of light with molecules, cells, and tissue to the subsequent biological responses • Representing disciplinary and interdisciplinary research in the fields of chemistry, physics, biology, and medicine	2

745	Anesthesia and Analgesia	• Latest advances in
		  • Drugs
		  • Preoperative preparation
		  • Patient monitoring
		  • Pain management
		  • Pathophysiology
			2

746	Translational Behavioral Medicine: Practice, Policy, Research (TBM)	• Behavioral medicine	2
747	IEEE Electron Device Letters	• Modeling, design, performance and reliability of electron and ion integrated circuit devices and interconnects • Insulators • Metals • Organic materials • Micro-plasmas	2

JID	Journal Name	Aims and Scopes	xID
		• Semiconductors • Quantum-effect structures • Vacuum devices, and emerging materials with applications in bioelectronics • Microelectromechanics • Imaging • Micro-actuators • Nanoelectronics • Optoelectronics • Photovoltaics • Power ICs • Micro-sensors	
748	Journal of Flood Risk Management	• Climate change and adaptation • Long-term planning and decision making • Prevention, protection and preparedness • Forecasting, warning and emergency management • Risk perception, resilience and recovery • Public engagement, policy and legislation	2
749	International Archives of Occupational and Environmental Health	• Occupational, environmental, and consumer health	2

750	Neural Processing Letters	• Artificial neural networks
		  • Theoretical developments
		  • Biological models
		  • New formal modes
		  • Learning
		  • Applications
		  • Software and hardware developments
		  • Prospective researches
			2

751	Cmc-Computers Materials & Continua	• Computer networks • Artificial intelligence • Big data management • Software engineering, multimedia • Cyber security • Internet of things • Materials genome • Integrated materials science • Data analysis, modeling • Engineering of designing and manufacturing of modern functional and multifunctional materials	2
752	Sensors and Actuators B-Chemical	• Novel chemical sensing and biosensing concepts, mechanisms and detection principles • Development of chemical sensors and biosensors • Fabrication technology of chemical sensors, biosensors, chip-based detection devices and chemical actuators • Chemical actuators including soft actuators, micro- and nanomotors, microfluidic components • Photonic and biophotonic sensors and chemical sensing systems • Lab-on-a-chip, Micro Total Analysis Systems (μTAS) and other biochips and	2

JID	Journal Name	Aims and Scopes	xID
		microarray systems • Sensor and sensor-array chemometrics	
753	Constraints	• Artifitial Intelligence • Optimization • Operation research/ Decision theory	2
754	Radioengineering	• Wireless communication • Application of wireless technologies	2
755	Pattern Recognition Letters	• Statistical, structural, syntactic pattern recognition; • Neural networks, machine learning, data mining; • Discrete geometry, algebraic, graph-based techniques for pattern recognition; • Signal analysis, image coding and processing, shape and texture analysis; • Computer vision, robotics, remote sensing; • Document processing, text and graphics recognition, digital libraries; • Speech recognition, music analysis, multimedia systems; • Natural language analysis, information retrieval; • Biometrics, biomedical pattern analysis and information systems; • Special hardware architectures, software packages for pattern recognition.	2
756	Perception	• Turkish foreign policy and international affairs	2

757	Advances in Computers	• Computer Networks and Distributed Systems
		  • Ad-hoc Networks
		  • Cloud, Cluster, Grid and P2P Computing
		  • Internet and Web based Computing
		  • Mobile Computing
		  • Network Security
		  • Networking Technologies
		  • Parallel and Distributed Architectures, Algorithms and Systems
		  • QoS and Resource Management
		  • Sensor Networks
		  • Vehicular Networks
		  • Ubiquitous Computing
		• Computer Architecture and Digital Systems
		  • Advanced Micro Architecture Techniques
		  • Circuits, Sensors and Devices
		  • Embedded Systems
		  • Nanotechnology Design and Quantum Computing
		  • Reconfigurable Computing
		  • VLSI Design
		• Pattern Analysis and Intelligent Systems
		  • Autonomic and Context-aware Computing
		  • Clustering and Classification
		  • Data Mining
		  • Evolutionary Computing
		  • Fuzzy Systems
		  • Human Computer Interaction and Interface
		  • Image, Speech and Signal Processing
		  • Knowledge Engineering
		  • Machine Learning
			2

JID	Journal Name	Aims and Scopes	xID
		• Multimedia and Video Systems • Neural Networks • Virtual Reality, Visualization and Computer Games • Software Engineering and Information Systems • Databases, Data/Information Quality • Geographical Information Systems • Multi Agent Systems • Programming Models and tools • Semantic Web and Ontologies • Software Architecture • System Integration • Operating Systems • Project Management	
758	Food Control	• Microbial food safety and antimicrobial systems • Mycotoxins • Hazard analysis, HACCP and food safety objectives • Risk assessment, including microbial and chemical hazards • Quality assurance • Good manufacturing practices • Food process systems design and control • Food Packaging technology and materials in contact with foods • Rapid methods of analysis and detection, including sensor technology • Codes of practice, legislation and international harmonization • Consumer issues • Education, training and research needs.	2
759	International Journal of Cardiology	• Cardiology in the broadest sense • Basic research • Clinical research	2
760	Communications in Nonlinear Science and Numerical Simulation	• Nonlinear differential or delay equations • Lie group analysis and asymptotic methods • Discontinuous systems • Fractals • Fractional calculus and dynamics • Nonlinear effects in quantum mechanics • Nonlinear stochastic processes • Experimental nonlinear science • Time-series and signal analysis • Computational methods and simulations in nonlinear science and engineering • Control of dynamical systems • Synchronization • Lyapunov analysis • High-dimensional chaos and turbulence • Chaos in Hamiltonian systems • Integrable systems and solitons • Collective behavior in many-body systems • Biological physics and networks • Nonlinear mechanical systems • Complex systems and complexity	2

JID	Journal Name	Aims and Scopes	xID
761	Behaviour & Information Technology	• Usability and user experience (UX) • Human computer interaction (HCI) • Human-centred and user-centred design • Social, business and human aspects of the digital world.	2
762	Journal of Research of The National Institute of Standards and Technology	• Measurement methodology • The basic technology underlying standardization	2

763	Control Engineering Practice	• Fields of applications in control and automation
		  • Automotive Systems
		  • Aerospace Applications
		  • Marine Systems
		  • Intelligent Transportation Systems and Traffic Control
		  • Autonomous Vehicles
		  • Robotics
		  • Human Machine Systems
		  • Mechatronic Systems
		  • Scientific Instrumentation
		  • Micro- and Nanosystems
		  • Fluid Power Systems
		  • Gas Turbines and Fluid Machinery
		  • Machine Tools
		  • Manufacturing Technology and Production Engineering •
		  • Logistics
		  • Power Electronics
		  • Electrical Drives
		  • Internet of Things
		  • Communication Systems
		  • Power and Energy Systems
		  • Biomedical Engineering and Medical Applications
		  • Biosystems and Bioprocesses
		  • Biotechnology
		  • Chemical Engineering
		  • Pulp and Paper Processing
		  • Mining, Mineral and Metal Processing
		  • Water/Gas/Oil Reticulation Systems
		  • Environmental Engineering
		  • Agricultural Systems
		  • Food Engineering
		  • Other Emerging Control Applications
		• Applicable methods, theories and technologies
		  • Modeling, Simulation and Experimental Model Validation
		  • System Identification and Parameter Estimation
		  • Observer Design and State Estimation
		  • Soft Sensing
		  • Sensor Fusion
		  • Optimization
		  • Adaptive and Robust
		  • Learning Control
			2

JID	Journal Name	Aims and Scopes	xID
		• Nonlinear Control • Control of Distributed-Parameter Systems • Model-based Control Techniques • Optimal Control and Model Predictive Control • Controller Tuning • PID Control • Feedforward Control and Trajectory Planning • Networked Control • Stochastic Systems • Fault Detection and Isolation • Diagnosis and Supervision • Actuator and Sensor Design • Measurement Technology in Control • Software Engineering Techniques • Real-time and Distributed Computing • Intelligent Components and Instruments • Architectures and Algorithms for Control • Real-time Algorithms • Computer-aided Systems Analysis and Design • Implementation of Automation Systems • Machine Learning • Artificial Intelligence Techniques • Discrete Event and Hybrid Systems • Production Planning and Scheduling • Automation • Data Mining • Data Analytic • Performance Monitoring • Experimental Design • Other Emerging Control Theories and Related Technologies	
764	Designs Codes and Cryptography	• Cryptology • Coding & Information Theory • Data Structure & Information Theory • Cryptology • Discrete mathematics in computer science • Information & communication	2
765	Environment and Planning B-Urban Analytics and City Science	• Smart cities • Urban analytics • GIS • Urban simulation models	2
766	Public Administration Review	• Public sector • Public sector Managment	2
767	International Journal of Plant Sciences	• Genetics and genomics • Developmental and cell biology • Biochemistry and physiology • Morphology and structure • Systematics	2

JID	Journal Name	Aims and Scopes	xID
		• Plant-microbe interactions • Paleobotany • Evolution, and Ecology	
768	Engineering	• Mechanical and Vehicle Engineering • Information and Electronic Engineering • Chemical, Metallurgical, and Materials Engineering • Energy and Mining Engineering • Civil, Hydraulic, and Architecture Engineering • Agriculture • Environment&Light and Textile Industries Engineering • Medical and Health Care • Engineering Management	2
769	Journal of Purchasing and Supply Management	• Purchasing and supply in a strategic context • Organizational buying behavior • Make-or-buy/outsourcing strategy • Global/international sourcing • Supplier relationships • Tendering and contracting • Costing and pricing • Negotiation • Purchasing and supply organization • Information management and information & communication technology (ICT) • Social, ethical and environmental supply issues • Supply chain management • Public procurement	2
770	Pediatrics	• All fields of Pediatrics research and Children Health research	2

771	Stochastic Environmental Research and Risk Assessment	• Modeling, measurements and instrumentation in the areas of:
		  • Spatiotemporal analysis and mapping of natural processes
		  • Enviroinformatics
		  • Environmental risk assessment
		  • Reliability analysis and decision making
		  • Surface and subsurface hydrology and hydraulics
		  • Multiphase porous media domains and contaminant transport modeling
			2

772	Sleep	• Findings from studies conducted at any level of analysis, including:
		  • Genes
		  • Molecules
		  • Cells
		  • Physiology
		  • Neural systems and circuits
		  • Behavior and cognition
		  • Self-report
		• Articles that use a wide variety of scientific approaches and address a broad range of topics
		  • Basic and neuroscience studies of sleep and circadian mechanisms
		  • In vitro and animal models of sleep, circadian rhythms, and human disorders
		  • Pre-clinical human investigations, including the measurement and manipulation of sleep and circadian rhythms
		  • Studies in clinical or population samples. These may address factors influencing sleep and
			1

JID	Journal Name	Aims and Scopes	xID
		circadian rhythms (e.g., development and aging, and social and environmental influences) and relationships between sleep, circadian rhythms, health, and disease • Clinical trials, epidemiology studies, implementation, and dissemination research	
773	Journal of Guidance Control and Dynamics	• Qualified papers on dynamics, stability, guidance, control, navigation, optimization, electronics, avionics, and information processing related to aeronautical, astronautical, and marine systems	1
774	Measurement Science and Technology	• Articles on new measurement techniques and associated instrumentation • Theory, practice and application of measurement in physics, chemistry, engineering • The environmental and life sciences from inception to commercial exploitation	1
775	Europace	• Original scientific work and reviews in the fields of Arrhythmias, Pacing and Cellular Electrophysiology	1
776	Transportation Research Part E-Logistics and Transportation Review	• Transport economics including cost and production functions, capacity, demand, pricing, externalities, modal studies; • Transport infrastructure and investment appraisal; • Evaluation of public policies related to transportation; • Empirical and analytical studies of logistics management practices and performance; • Logistics and operations models, especially with applications; • Logistics and supply-chain management topics	1
777	Annals of Applied Probability	• Papers in modern probability theory • Relations to other areas of mathematics • Applications in the physical and biological sciences	1
778	Anesthesia and Analgesia	• Practice-oriented, clinical research in in Anesthesiology field • Disciplines broadly related to anesthesiology: perioperative medicine, critical care, and pain management	1
779	Data & Knowledge Engineering	• Representation and Manipulation of Data & Knowledge • Conceptual data models. Knowledge representation techniques. Data/knowledge manipulation languages and techniques. • Architectures of database, expert, or knowledge-based systems • New architectures for database / knowledge base / expert systems, design and implementation techniques, languages and user interfaces, distributed architectures. • Construction of data/knowledge bases • Data / knowledge base design methodologies and tools, data/knowledge acquisition methods, integrity/security/maintenance issues. • Applications, case studies, and management issues • Data administration issues, knowledge engineering practice, office and engineering applications. • Tools for specifying and developing Data and Knowledge Bases using tools based on Linguistics or Human Machine Interface principles. • Communication aspects involved in implementing, designing and using KBSs in Cyberspace.	1
780	Medical & Biological Engineering & Computing	• Covering the entire spectrum of biomedical and clinical engineering • Experimental and theoretical developments in biomedical science and technology • Reports on advances in computer-based methodologies in these multidisciplinary subjects • New and evolving technologies including cellular engineering and molecular imaging	1

JID	Journal Name	Aims and Scopes	xID
781	Telecommunications Policy	• The impact of digitalization in the economy and society • Policy, regulation, and governance • Big data, artificial intelligence and data science • New and traditional sectors encompassing new media and the platform economy • Management, entrepreneurship, innovation and use	1
782	IEEE Micro	• The design, performance, or application of microprocessors and microcomputers • Architecture, communications, data acquisition, control, hardware and software design/implementation, algorithms (including program listings), digital signal processing, microprocessor support hardware, operating systems, computer aided design, languages, application software, and development systems	1

783	International Journal of Medical Informatics	• Information systems, including
		  • National or international registration systems
		  • Hospital information systems
		  • Departmental and/or physician's office systems
		  • Document handling systems
		  • Electronic medical record systems
		  • Standardization
		  • Systems integration
		• Computer-aided medical decision support systems using heuristic, algorithmic and/or statistical methods as exemplified in decision theory, protocol development, artificial intelligence, etc.
		• Educational computer-based programs pertaining to medical informatics or medicine in general
		• Organizational, economic, social, clinical impact, ethical and cost-benefit aspects of IT applications in health care.
			1

784	Journal of Web Semantics	• The Semantic Web • Knowledge Technologies • Ontology • Agents • Databases • Semantic Grid and Peer-to-Peer Technology • Information Retrieval • Language Technology • Human-Computer Interaction • Knowledge Discovery • Web Standards	1
785	IEEE Transactions on Affective Computing	• Sensing & analysis • Algorithms and features for the recognition of affective state from face and body gestures • Analysis of text and spoken language for emotion recognition • Analysis of prosody and voice quality of affective speech • Recognition of auditory and visual affect bursts • Recognition of affective state from central (e.g. fMRI, EEG) and peripheral (e.g. GSR) physiological measures • Methods for multi-modal recognition of affective state • Recognition of group emotion • Methods of data collection with respect to psychological issues as mood induction and elicitation or technical methodology as motion capturing	1

JID	Journal Name	Aims and Scopes	xID

		• Tools and methods of annotation for provision of emotional corpora. (Cyber) psychology & behavior
		  • Clarification of concepts related to 'affective computing' (e.g., emotion, mood, personality, attitude) in ways that facilitate their use in computing
		• Computational models of human emotion processes (e.g., decision-making models that account for the influence of emotion; predictive models of user emotional state)
		• Studies on cross-cultural, group and cross-language differences in emotional expression
		• Contributions to standards and markup language for affective computing
		• Behavior Generation & User Interaction
		  • Computational models of visual, acoustic and textual emotional expression for synthetic and robotic agents
		• Models of verbal and nonverbal expression of various forms of affect that facilitate machine implementation
		• Methods to adapt interaction with technology to the affective state of users
		• Computational methods for influencing the emotional state of people
		• New methods for defining and evaluating the usability of affective systems and the role of affect in usability
		• Methods of emotional profiling and adaptation in mid- to long-term interaction
		• Application of affective computing including education, health care, entertainment, customer service, design, vehicle operation, social agents/robotics, affective ambient intelligence, customer experience measurement, multimedia retrieval, surveillance systems, biometrics, music retrieval and generation	

786	ISPRS International Journal of Geo-Information	• The science and technology of geographic information • Data collection and acquisition • Data structures and algorithms • Spatio-temporal databases • Spatial analysis, data mining, and decision support systems • Visualization theory and technology in real and virtual environments • Cartography • Location based services • Uncertainty handling in spatial data • Topology • Geo-computation • Geo-telematics • Spatial information infrastructures • Interoperability and open systems • Applications of geoinformation technology (all possible domains)	1
787	Fujitsu Scientific & Technical Journal	•	1

788	Information Sciences	• Foundations of Information Science
		  • Information Theory, Mathematical Linguistics, Automata Theory, Cognitive Science, Theories of Qualitative Behaviour, Artificial Intelligence, Computational Intelligence, Soft Computing, Semiotics, Computational Biology and Bio-informatics.
		• Implementations and Information Technology
		  • Intelligent Systems, Genetic Algorithms and Modelling, Fuzzy Logic and Approximate Reasoning, Artificial Neural Networks, Expert and Decision Support Systems, Learning and Evolutionary Computing, Expert and Decision Support Systems, Learning and Evolutionary Computing, Biometrics, Moleculoid Nanocomputing, Self-adaptation and Self-organisational Systems, Data Engineering, Data Fusion, Information and Knowledge,
			1

JID	Journal Name	Aims and Scopes	xID
		Adaptive ad Supervisory Control, Discrete Event Systems, Symbolic / Numeric and Statistical Techniques, Perceptions and Pattern Recognition, Design of Algorithms, Software Design, Computer Systems and Architecture Evaluations and Tools, Human-Computer Interface, Computer Communication Networks and Modelling and Computing with Words • Applications • Manufacturing, Automation and Mobile Robots, Virtual Reality, Image Processing and Computer Vision Systems, Photonics Networks, Genomics and Bioinformatics, Brain Mapping, Language and Search Engine Design, User-friendly Man Machine Interface, Data Compression and Text Abstraction and Summarization, Virtual Reality, Finance and Economics Modelling and Optimisation	

790	Sustainable Computing-Informatics & Systems	• Researches related to energy-aware and thermal-aware management of computing resource
		• Software systems perspective:
		  • Power-aware software
		  • Code profiling and transformation for power management
		  • Power-aware middleware
		  • Multimedia systems
		  • Scheduling and allocation
		• Computing for sustainability
		  • Use of sensors for environmental monitoring
		  • Smart control for eco-friendly buildings
		  • Green Data Centers and Enterprise Computing
		• Re-inventing algorithms and applications for sustainability:
		  • Theoretical aspect of energy, power, and temperature
		  • Power-aware applications
		  • Resource management to optimize performance and power
		  • Power implications for portable and mobile computing
		  • Algorithms for reduced power, energy and heat for high-performance computing
		• Modeling and evaluation of sustainable systems:
		  • Reliability of Power-aware computers
		  • Runtime systems that assist in power saving
		  • Models for collective optimization of power and performance
		  • Monitoring tools for power and performance of parallel and distributed systems
		• Sustainable hardware platforms and devices - Hardware and architecture perspective:
		  • Power-aware networking
		  • Real-time systems
		  • Power-efficient architectures
		  • Efficient circuit design for energy harvesting
		  • Power management in memory, disk, storage and other peripheral devices
		  • Configurable and renewable energy
		  • Low power electronics
		  • Embedded systems, ASICs and FPGSs
		  • Power leakage and dissipation
			1

791	International Journal of Bio-Inspired Computation	• New bio-inspired methodologies coming from • creatures living in nature • artificial society • physical/chemical phenomena • New bio-inspired methodology analysis tools, e.g. rough sets, stochastic processes • Brain-inspired methods: models and algorithms • Bio-inspired computation with big data: algorithms and structures	1

JID	Journal Name	Aims and Scopes	xID
		• Applications associated with bio-inspired methodologies, e.g. bioinformatics	

792	Journal of Political Economy	• Publish articles that will have a long-term impact on economics research
		  • Monetary theory
		  • Fiscal policy
		  • Labor economics
		  • Development
		  • Micro- and macroeconomic theory,
		  • International trade and finance
		  • Industrial organization
		  • Social economics
			1

793	Journal of Universal Computer Science	• All aspects of computer science	1

794	Constraints	• All aspects of computing with constraints
		  • Theory and practice
		  • Algorithms and systems
		  • Reasoning and programming
		  • Logics and languages.
		• Disciplines
		  • Artificial intelligence
		  • Automated reasoning
		  • Combinatorial algorithms
		  • Databases
		  • Discrete mathematics
		  • Operations research
		  • Programming languages
		  • Satisfiability
		  • Computational logic
		• Domains
		  • Agents
		  • Bioinformatics
		  • Design and configuration
		  • Graphics
		  • Visualization
		  • User interfaces
		  • Human-computer interaction and decision support
		  • Robotics
		  • Machine vision and computational linguistics
		  • Scheduling
		  • Planning
		  • Resource allocation
		  • Temporal and spatial reasoning
			1

795	Energy	• Multi-disciplinary journal in energy engineering and research • Energy conservation • Energy efficiency • Biomass and bioenergy • Renewable energy • Electricity supply and demand • Energy storage • Energy in buildings • Economic and policy issues	1

JID	Journal Name	Aims and Scopes	xID
796	Chaos	• Classical deterministic chaos • Quantum and wave chaos • Solitons and coherent structures • Pattern formation and competition • Adaptive and evolving systems • Networks	1

797	Journal of Aircraft	• Aircraft systems
		• Air transportation
		• Air traffic management
		• Multidisciplinary design optimization of aircraft
		• Flight mechanics
		• Flight and ground testing
		• Applied computational fluid dynamics
		• Flight safety
		• Weather and noise hazards
		• Human factors
		• Airport design
		• Airline operations
		• Application of computers to aircraft
		  • artificial intelligence/expert systems
		  • production methods
		  • engineering economic analyses
		  • affordability
		  • reliability
		  • maintainability
		  • logistics support
		• Integration of propulsion and control systems into aircraft design and operations
		• Aircraft aerodynamics (including unsteady aerodynamics)
		• Structural design/dynamics
		• Aeroelasticity
		• Aeroacoustics
			1

798	IEEE Journal on Emerging and Selected Topics in Circuits and Systems	• The entire Field of Interest of the IEEE Circuits and Systems Society and with particular focus on emerging areas.	1
799	Building and Environment	• Technologies, especially smart technologies, and integrated systems for high performance buildings and cities • Thermal, acoustic and visual performance and comfort, and air quality in building science and engineering, and their impacts on human beings • Tools for the design and decision-making community, including tested computational, economic, educational and policy tools • Solutions for mitigating environmental impacts and achieving low carbon, sustainable built environments	1
800	International Journal of Web Services Research	• Business grid • Business process integration and management using web services • Case studies for web services • Communication applications using web services • Composite web service creation and enabling infrastructures • Dynamic invocation mechanisms for web services	1

JID	Journal Name	Aims and Scopes	xID
		• E-commerce applications using web services • Frameworks for building web service applications • Grid-based web services applications (e.g. OGSA) • Interactive TV applications using web services • Mathematic foundations for service-oriented computing • Multimedia applications using web services • Quality of service for web services • Resource management for web services • Semantic services computing • SOAP enhancements • Solution management for web services • UDDI enhancements • Web services architecture • Web services discovery • Web services modeling • Web services performance • Web services security	
801	ACM Transactions on Mathematical Software	• Research results addressing the development, evaluation and use of mathematical software • Machine-readable computer software which is incorporated into the collected Algorithms of the ACM	1
802	Calcolo	• Numerical linear algebra • Approximation theory and its applications • Numerical solutions of differential and integral equations • Computational complexity • Algorithmics • Mathematical aspects of computer science • Optimization theory	1
803	International Journal of Cardiology	• Basic research and clinical papers on cardiology	1
804	Journal of Statistical Mechanics-Theory and Experiment	• Quantum statistical physics, condensed matter, integrable systems • Classical statistical mechanics, equilibrium and non-equilibrium • Disordered systems, classical and quantum • Interdisciplinary statistical mechanics • Biological modelling and information	6

805	Operational Research	• Operational research and management
		  • Optimization methods
		  • Decision theory
		  • Stochastic models
		  • Simulation
		  • Game theory
		  • Queueing systems
		  • Inventory and reliability
			6

806	New England Journal of Medicine	• Accountable care organizations • Acute coronary syndromes • Addiction • Adolescent medicine • Adrenal disease	6

JID	Journal Name	Aims and Scopes	xID
		• Allergy • Allergy/immunology general • Anticoagulation/thromboembolism • Arrhythmias/pacemakers • Asthma • Autoimmune disease • Bacterial infections • Birth defects • Bone disease • Bone marrow transplantation • Brain tumor • Breast cancer • Cancer • Cardiology general • Cardiomyopathy/myocarditis • Cardiovascular surgery • Case studies in social medicine • Childhood cancer • Childhood diseases • Chronic kidney disease • Clinical trials series • Coagulation • Colorectal cancer • Coma/brain death • Comparative effectiveness • Complications of pregnancy • Congenital kidney disease • Copd • Coronary disease/myocardial infarction • Cost of health care • Critical care • Cystic kidney disease • Data sharing • Dementia/alzheimer disease • Depression • Dermatology general • Diabetes • Diagnostics • Diet/nutrition • Drug-related skin conditions • Drugs, devices, and the fda • Ebola virus • Emergency medicine general • End-of-life care • Endocrinology • Endocrinology general • Epidemics • Ethical and legal issues • 2018 european society of cardiology congress	

JID	Journal Name	Aims and Scopes	xID
		• Family systems and communication • Frontiers in medicine • Fungal infections • Gastroenterology general • Genetics general • Geriatrics/aging general • Global health • Glomerular disease • Growth and development • Gynecologic oncology • Head trauma • Health care delivery • Health it • Health law • Health policy • Heart failure • Hematology/oncology general • Hiv/aids • Hypertension • Hypothalamic-pituitary disease • Immunity • Immunization • Infectious disease general • Inflammatory bowel disease • Influenza • Insurance coverage • International health policy • Kidney transplantation • Leukemia/lymphoma • Lipids • Liver disease • Lung cancer • Medical ethics • Medical practice, training, and education • Medical statistics • Medicare and medicaid • Medicine and society • Multiple sclerosis • Neonatology • Nephrology general • Neurology/neurosurgery general • Neuromuscular disease • Neuroscience • Obesity • Obstetrics/gynecology general • Ophthalmology general • Orthopedics general • Osteoarthritis • Osteoporosis	

JID	Journal Name	Aims and Scopes	xID
		• Osteoporosis/bone disease • Otolaryngology general • Pain • Pain management, addiction, and end-of-life care • Palliative care • Parasitic infections • Parkinson disease • Pediatrics general • Perspective essay collections • Politics of health care reform • Post-traumatic stress disorder • Prevention • Primary care/hospitalist • Psoriasis • Psychiatry general • Public health • Pulmonary fibrosis • Pulmonary/critical care general • Quality of care • Reform implementation • Rehabilitation • Renal replacement therapy • Reproductive medicine • Rheumatoid arthritis • Rheumatology general • Schizophrenia • Seizures • Sexuality • Shock • Skin cancer • Stem cells • Stroke • Surgery general • Thyroid disease • Toxicology • Trauma • Treatments in oncology • Tuberculosis • Urology/prostate disease general • Uti/pyelonephritis • Vaccines • Vasculitis • Viral infections • Zika virus	
807	Geophysics	• Anisotropy • Borehole geophysics and rock properties • Electrical and electromagnetic methods • Engineering and environmental geophysics	6

JID	Journal Name	Aims and Scopes	xID
		• Geophysical software and algorithms • Gravity exploration methods • Ground-penetrating radar • Interdisciplinary studies • Magnetic exploration methods • Mining geophysics • Passive seismic methods • Poroelasticity • Reservoir geophysics • Seismic amplitude interpretation • Seismic attributes and pattern recognition • Seismic data acquisition • Seismic interferometry • Seismic inversion • Seismic migration • Seismic modeling and wave propagation • Seismic velocity/statics • Signal processing	
808	Journal of Engineering Research	• Engineering and related areas	6
809	Journal of Burn Care & Research	• Burn prevention, research, education, delivery of acute care • Surgical procedures • Acute care • Reconstruction • Burn prevention, and research and education • Physical therapy/occupational therapy • Nutrition • Current events in the evolving healthcare debate • Reports on the newest computer software for diagnostics and treatment	6

810	Circulation	• Cardiovascular health and disease
		  • Observational studies
		  • Clinical trials
		  • Epidemiology
		  • Health services and outcomes studies
			6

811	Transportation Research Part B-Methodological	• Development and solution of problems that are adequately motivated to deal with important aspects of the design and/or analysis of transportation systems:
		  • Traffic flow
		  • Design and analysis of transportation networks
		  • Control and scheduling
		  • Optimization
		  • Queuing theory
		  • Logistics
		  • Supply chains
		  • Development and application of statistical, econometric and mathematical models to address transportation problems
		  • Cost models
		  • Pricing and/or investment
		  • Traveler or shipper behavior
			6

JID	Journal Name	Aims and Scopes	xID
		• Cost-benefit methodologies	

812	Computers & Geosciences	• Computational/informatics elements :computational methods:
		  • Algorithms
		  • Data models
		  • Database retrieval
		  • Information retrieval
		  • Near and remote sensing data analysis
		  • Data processing
		  • Artificial intelligence
		  • Computer graphics
		  • Computer visualization; programming languages
		  • Parallel systems
		  • Distributed systems
		  • The world-wide web
		  • Social media
		  • Ontologies
		  • Software engineering.
		• Geoscientific topics:
		  • Mineralogy
		  • Petrology
		  • Geochemistry
		  • Geomorphology
		  • Paleontology
		  • Stratigraphy
		  • Structural geology
		  • Sedimentology
		  • Hydrology
		  • Hydrogeology
		  • Oceanography
		  • Atmospheric sciences
		  • Climatology
		  • Meteorology
		  • Geophysics
		  • Geomatics
		  • Seismology
		  • Geodesy
		  • Paleogeography
		  • Environmental science
		  • Soil science
		  • Glaciology
			6

813	Transactions of The American Mathematical Society	• All areas of pure and applied mathematics	6
814	Tsinghua Science and Technology	• Computer science • Electronic engineering • All IT fields	6
815	Signal Processing-Image Communication	• Subjects of interest include image/video coding • 3D video representations and compression • 3D graphics and animation compression • Hdtv and 3dtv systems • Video adaptation	6

JID	Journal Name	Aims and Scopes	xID
		• Video over ip • Peer-to-peer video networking • Interactive visual communication • Multi-user video conferencing • Wireless video broadcasting and communication • Visual surveillance, 2D and 3D image/video quality measures • Pre/post processing • Video restoration and super-resolution • Multi-camera video analysis • Motion analysis • Content-based image/video indexing and retrieval • Face and gesture processing • Video synthesis • 2D and 3D image/video acquisition and display technologies • Architectures for image/video processing and communication	
816	IEEE Transactions on Fuzzy Systems	• The theory, design and application of fuzzy systems • Technical knowledge • Developments and applications of fuzzy systems • Engineering systems and scientific applications	6
817	ACM Transactions on Intelligent Systems and Technology	• Intelligent systems • Applicable algorithms and technology with a multi-disciplinary perspective	6

818	Ire Transactions on Aerospace And Electronic Systems	• The organization, design, development, integration, and operation of complex systems for space, air, ocean, or ground environment:
		  • Navigation
		  • Avionics
		  • Spacecraft
		  • Aerospace power
		  • Radar
		  • Sonar
		  • Telemetry
		  • Defense
		  • Transportation
		  • Automated testing
		  • Command and control
			6

819	Designs Codes and Cryptography	• Design theory, coding theory and cryptography	6
820	Electronics	• Electrical circuits & devices • Microelectronics and computer technology • Computer science and engineering • Communications & information processing • Electrical engineering communications • Signal processing • Measurements technology • Microwave and electronic system engineering • Microelectronics and optoelectronics • Systems & control engineering • Bioelectronics • Power electronics and energy systems	6

JID	Journal Name	Aims and Scopes	xID
821	Robotica	• Robotics and encourages developments, applications and research in this important field of automation and robotics with regard to industry, health, education and economic and social aspects of relevance • Coverage includes activities in: • Hostile environments • Applications in the service and manufacturing industries • Biological robotics • Dynamics and kinematics involved in robot design and uses • On-line robots • Robot task planning • Rehabilitation robotics • Sensory perception • Software in the widest sense, particularly in respect of programming languages and links with cad/cam systems	6
822	Talanta	• Analytical chemistry • Novel sensor and instrumentation developments • Novel or improved applications in areas such as: • Clinical and biological chemistry • Environmental analysis • Geochemistry • Materials science and engineering • Analytical platforms for omics development	6
823	Bulletin of Earthquake Engineering	• Seismic hazard studies and methods for mitigation of earthquake risks • Earthquake source mechanism and strong motion characterization and their use for engineering applications • Response and analysis of geological and geotechnical site conditions under earthquake excitations • Cyclic behaviour of soils • Response, analysis and design of earth structures and foundations under seismic conditions • Zonation and microzonation methodologies • Earthquake scenarios and vulnerability assessments • Earthquake codes and improvements • Response, analysis and design of all man-made structures under seismic conditions • Performance based seismic evaluation and design • Repair and strengthening • Damage assessments • Transportation and lifeline systems in seismic environments • Seismic response of historical monuments and structures • Seismic isolation, passive energy dissipation, active control of vibrations and other modern technologies for energy dissipation • Earthquake risk mitigation policies and methodologies	6
824	Technology and Health Care	• Bioelectronics, clinical biomechanics, biophotonics • Medical imaging technology, bio-imaging • Surgical technology • Monitoring devices, respiration technology, drug delivery systems • Diagnostic and therapeutic procedures associated with ionizing and non-ionizing radiation	6

JID	Journal Name	Aims and Scopes	xID
		• Artificial organs, biomaterials • Tissue engineering, bio-inspired materials, molecular and cellular methods • Devices and instruments for use in rehabilitation • Telemedicine, e-health and mobile phone techniques for use in clinical medicine • Home care technology	
825	Sustainable Cities and Society	• Smart cities and resilient environments • Alternative/clean energy sources, energy distribution, distributed energy generation, and energy demand reduction/management • Monitoring and improving air quality in built environment and cities • Energy efficient, low/zero carbon, and green buildings/communities • Climate change mitigation and adaptation in urban environments • Green infrastructure and bmps • Environmental Footprint accounting and management • Urban agriculture and forestry • ICT, smart grid and intelligent infrastructure • Urban design/planning, regulations, legislation, certification, economics, and policy • Social aspects, impacts and resiliency of cities • Behavior monitoring, analysis and change within urban communities • Health monitoring and improvement • Nexus issues related to sustainable cities and societies • Smart city governance • Decision Support Systems for trade-off and uncertainty analysis for improved management of cities and society • Big data, machine learning, and artificial intelligence applications and case studies • Critical infrastructure protection, including security, privacy, forensics, and reliability issues of cyber-physical systems • Water footprint reduction and urban water distribution, harvesting, treatment, reuse and management • Waste reduction and recycling • Wastewater collection, treatment and recycling • Smart, clean and healthy transportation systems and infrastructure	6
826	Imaging Science Journal	• Aerospace imaging applications and display • Colour reproduction • Consumer imaging • Detectors and sensors • Digitisation and storage • Displays • Forensic imaging • Hard copy output • High speed imaging • Holography and 3-d imaging • Image acquisition • Imaging: mechanisms, modelling and properties • Image processing • Image quality • Image security • Input/output devices instrumentation • Machine vision	6

JID	Journal Name	Aims and Scopes	xID
		• Media life expectancy • Medical imaging • Metrology and metrics • Multispectral imaging • Psychometric scaling methods • Vision and imaging	

827	Swarm Intelligence	• Modeling and analysis of collective biological systems such as:
		  • Social insect colonies
		  • Flocking vertebrates
		  • Human crowds
		  • Swarm intelligence systems
		• Application of biological swarm intelligence models to real-world problems such as:
		  • Distributed computing
		  • Data clustering
		  • Graph partitioning
		  • Optimization and decision making
		• Theoretical and empirical research in:
		  • Ant colony optimization
		  • Particle swarm optimization
		  • Swarm robotics
		  • Swarm intelligence algorithms
			6

828	Journal of Purchasing And Supply Management	• Purchasing and supply in a strategic context • Organisational buying behavior • Make-or-buy/outsourcing strategy • Global/international sourcing • Supplier relationships • Tendering and contracting • Costing and pricing • Negotiation • Purchasing and supply organization • Information management and information & communication technology (ICT) • Social, ethical and environmental supply issues • Supply chain management • Public procurement	6
829	Econometrica	• All branches of economics - theoretical and empirical, abstract and applied	6
830	IEEE Transactions on Sustainable Energy	• Sustainable energy	6
831	Journal of Mathematical Sociology	• Models and mathematical techniques that would likely be useful to professional sociologists	6
832	Siam Review	• Major topic in applied or computational mathematics or scientific computing	6

833	Evaluation Review	• The development, implementation, and utilization of studies aimed at the betterment of the human condition:
		  • Child development
		  • Health
		  • Education
		  • Income security
		  • Manpower
		  • Mental health
			6

JID	Journal Name	Aims and Scopes	xID
		• Criminal justice • The physical and social environments	

834	IEEE Transactions on Education	• Education in:
		  • Electrical and electronics engineering
		  • Computer engineering
		  • Computer science
		  • All fields within the scope of interest of IEEE
			6

835	Journal of Supply Chain Management	• Chain management • Theory building and empirical methodologies	6
836	Epidemics	• Spread, transmission, persistence, implications and population dynamics of infectious diseases • Population and public health as well as policy aspects of control and prevention • Dynamics at the individual level • Interaction with the environment, ecology and evolution of infectious diseases, as well as population genetics of infectious agents.	1
837	Cell Host and Microbe	• Molecular and cell biology of microbes • Microbial pathogenesis • Host cellular and immune response to microbes • Immune evasion • Therapeutics • Evolution, epidemiology, and natural history of microbes • Vaccine design, development, and trials • Emerging pathogens	1
838	Pacific Journal of Optimization	•	1
839	Emerging Infectious Diseases	• The recognition of new and reemerging infectious diseases around the world • Improves the understanding of factors involved in disease emergence, prevention, and elimination	1
840	International Journal of Information Technology and Decision Making	• Artificial Intelligence and Decision Making • Bio-informatics and Medical Decision Making • Cluster Computing and Performance • Data Mining and Web Mining • Data Warehouse and Applications • Database Performance Evaluation • Decision Making and Distributed Systems • Decision Making and Electronic Transaction and Payment • Decision Making of Internet Companies • Decision Making on Information Security • Decision Models for Electronic Commerce • Decision Models for Internet Based on Companies • Decision Support Systems • Decision Technologies in Information System Design • Digital Library Designs • Economic Decisions and Information Systems • Enterprise Computing and Evaluation • Fuzzy Logic and Internet • Group Decision Making and Software	1

JID	Journal Name	Aims and Scopes	xID
		• Habitual Domain and Information Technology • Human Computer Interaction • Information Ethics and Legal Evaluations • Information Overload • Information Policy Making • Information Retrieval Systems • Information Technology and Organizational Behavior • Intelligent Agents Technologies • Intelligent and Fuzzy Information Processing • Internet Service and Training • Knowledge Representation Models • Making Decision through Internet • Multimedia and Decision Making • Multiple Criteria Decision Making in Information Technology • Network and Decision Making • Neural Networks and Performance • Online Business and Decision Making • Optimization and Information Technology • Organizational Information Systems • Pattern Recognition Models • Performance of Parallel Computing • Reasoning under Uncertainty • Social Decisions on Internet • Software Performance and Evaluation • Telecommunication Systems and Evaluation • Visualization and Decision Making • Web based Language Development • Web Search and Decision Making • Website Design and Development • Wireless Technology and Performance	

841	Journal of Infection	• All aspects of infection
		  • Clinical
		  • Microbiological
		  • Epidemiological
			1

842	Journal of Autoimmunity	• Diverse aspects of autoimmunity
		  • The mechanism of self-recognition
		  • Regulation of autoimmune responses
		  • Experimental autoimmune diseases
		  • Diagnostic autoantibody tests
		  • The epidemiology, pathophysiology, and treatment of autoimmune diseases
			1

844	Ultrasound in Obstetrics and Gynecology	• Clinically relevant research, including guidelines, consensus statements, expert commentaries • Original articles and systematic reviews	1

Table 6. Research Questions

RQ #	Research Questions	Rationale

General Questions	1	Which researchers and research venues are more active in this field and how are the active researchers distributed geographically?	The demographics of edge computing research provide a useful starting point for interested researchers by identifying active scholars, venues, and countries.
	2	How active is the field of edge computing and how is the distribution of selected studies by type over publication year (journal), and Geographical areas?	To identify the current volume of research and general trends in order to better depict the attractiveness of the field. Comparing the volume of research over publication year and Geographical areas can shed some light on the maturity of edge computing.
Structural Questions	3	What are the core research topics in the field of edge computing?	To identify and classify the current research regarding edge computing techniques, analyze the evolution and distribution of each topic and the potential trends in researcher's focus.
	4	What is the distribution of applications in each research topics?	To identify the percentage of applicability and the importance of each research topics based on the number of studies published in each application relative to the total number of studies.
	5	What is the distribution of architecture in each topic?	Architecture can be Fog Computing, Cloudlet, MEC and so on.
	6	Which techniques are more used in the field?	To identify main techniques for each topic in edge computing field and analyzing the relation between techniques with another aspects. Techniques can be game theory, heuristic and so on
	7	Which forms of empirical evaluation have been used?	Empirical evaluation means whether the environment is real or simulation or testbed.
	8	Mostly, Which Qualitative Requirements (QoS) have been considered to move towards edge computing? Rational:	Answering this research question will make it possible to understand when a researcher must use edge computing. QoS can be time, cost, energy, and so on.

Table 7. Constructed Queries for Finding Related Paper

ID	Search query
1	"edge computing" OR ("edge processing" AND cloud) OR ("mobile edge" AND (cloud OR computing))
2	fog AND (computing OR node OR cloud)
3	(offloading AND (edge OR "mobile cloud"))
4	((micro-data center OR micro-datacenter) AND (cloud OR edge)) OR microcloud OR micro-cloud OR cloudlet
5	"nomadic computing" OR "mist computing" OR "osmotic computing"

Table 8. Search Space Exclusion Criteria

Search space type	Exclusion Criterion	Description
Journal	JEC1	(JCR is not available)
	JEC2	Aim and scope are not related
	JEC3	Magazine

Table 9. The Studies Exclusion Criteria

Criterion	Description
PEC1	The study belongs to the excluded journals
PEC2	The contribution of paper does not relate to field of study (The study does not have any of the signs in EC_SUPMAT_W3_T1)
PEC3	The study is not a journal paper, e.g., it is a magazine paper, conference paper, gray literature, conference cover, poster, etc.
PEC4	The study is not a primary study (e.g., survey);
PEC5	The paper is not accessed (e.g., not indexed) or The study belongs to an excluded journal

Table 10. Extracted Items Needed for Answering RQs

Q#	Items
1	Author name, author affiliation, country
2	Search space, Paper Title/abstract Paper context, Keyword, Topics, Publication year
3	Topics, Author Keywords
4	Topics, Paper context

5	Topics, Paper context
6	Topics, Paper context
7	Paper context
8	Topics, Paper context
9	Topics, Paper context

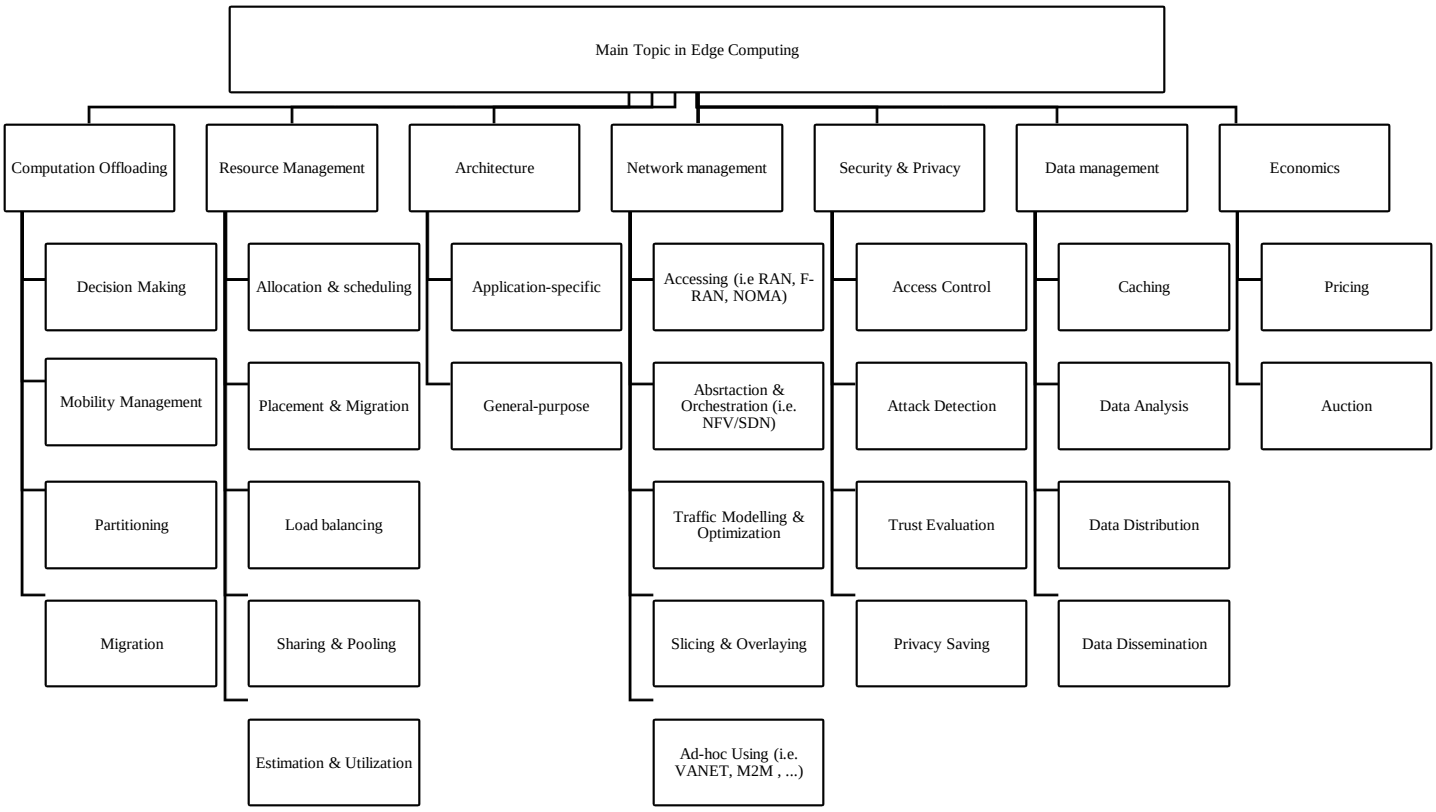

Figure 1. Research Tree

- Journals, Conferences, and Workshops Statistics
  - NI_1: Journals which have been included considering the related inclusion criteria in the first phase (during the initial search phase).
  - NE_1: Journals which have been excluded considering the related exclusion criteria in the first phase (during the initial search phase).
  - NI_2: Journals which have been included considering the related inclusion criteria in the second phase (during the snowballing search phase).
  - NE_2: Journals which have been excluded considering the related exclusion criteria in the second phase (during the snowballing search phase).
  - NI_3: Journals which have been included considering the related inclusion criteria in the third phase (during the evaluation phase).
  - NE_3: Journals which have been excluded considering the related exclusion criteria in the third phase (during the evaluation phase).
  - NI_4: Journals which have been included considering the related inclusion criteria in the third phase (during the evaluation phase).
  - NE_4: Journals which have been excluded considering the related exclusion criteria in the third phase (during the evaluation phase).
  -
- As shown in figure 1, our SMS process consists of three main phases. These are as follows: intial search phase (extracted search spaces set and found studies set from initial set), snowballing search phase, and evaluation phase. Bellow, a pictorial reference guide is provided which represents the inclusion or exclusion of journal studies in mentioned triple phases.

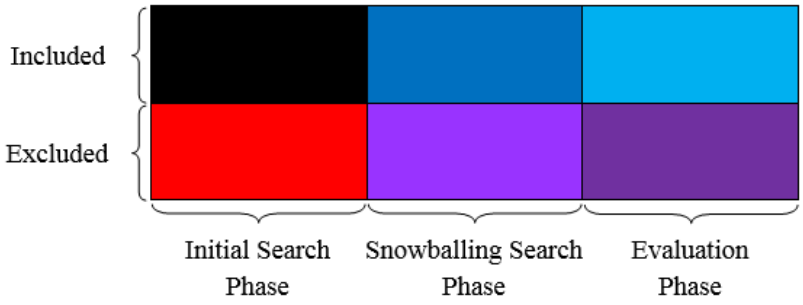

Table 11. Search Spaces Statistics

No.	Search Spaces	NI_1	NE_1	NI_2	NE_2	NI_3	NE_3	NI_4	NE_4	NI_5	NE_5	Total
1	Journals	599	1770	158	3669	13	1084	0	43	671	718	8725
2	Conferences	-	-	-	-	-	-	-	-			-
3	Workshops	-	-	-	-	-	-	-	-			-
4	Total	599	1770	158	3669	13	1084	0	43	671	718	8725

Useful Information

Journals Ranking Metrics

SJR

SCImago Journal Rank (SJR indicator) is a measure of scientific influence of scholarly journals that accounts for both the number of citations received by a journal and the importance or prestige of the journals where such citations come from. The SJR indicator is a free journal metric which uses an algorithm similar to PageRank and provides an alternative to the impact factor (IF).

- The SJR indicator computation is carried out using an iterative algorithm that distributes prestige values among the journals until a steady-state solution is reached. The SJR algorithm begins by setting an identical amount of prestige to each journal, then using an iterative procedure, this prestige is redistributed in a process where journals transfer their achieved prestige to each other through citations. The process ends up when the difference between journal prestige values in consecutive iterations do not reach a minimum threshold value any more. This indicator is available at: http://www.scimagojr.com/journalsearch.php.

JCR

Journal Citation Reports (JCR) is an annual publication by the Intellectual Property and Science business of Thomson Reuters. It has been integrated with the Web of Science and is accessed from the Web of Science-Core Collections. It provides information about academic journals in the sciences and social sciences, including impact factors. The JCR was originally published as a part of Science Citation Index. Currently, the JCR, as a distinct service, is based on citations compiled from the Science Citation Index Expanded and the Social Science Citation Index. This measure is available at: http://wokinfo.com/products_tools/analytical/jcr/.

Q

Quartile rankings are therefore derived for each journal in each of its subject categories according to which quartile of the IF distribution the journal occupies for that subject category. Q1 denotes the top 25% of the IF distribution, Q2 for middle-high position (between top 50% and top 25%), Q3 middle-low position (top 75% to top 50%), and Q4 the lowest position (bottom 25% of the IF distribution). This measure is available at: http://www.scimagojr.com/journalsearch.php.

Conferences and Workshop Ranking Metrics

H5-index

H5-index is the h-index for articles published in the last 5 complete years. It is the largest number h such that h articles published in 2010-2014 have at least h citations each, (Available at: https://scholar.google.com/citations?view_op=top_venues&hl=en&vq=eng).

ERA (2010)

This conference ranking has been created as part of the Excellence in Research in Australia (ERA). The ranking was created by Australian deans and the Australian Computing Research and Education Association of Australasia (CORE). The rankings range from A (=best) to C (=worst), (Available at: http://www.conferenceranks.com/).

Qualis (2012)

This conference ranking has been published by the Brazilian ministry of education and uses the H-index as performance measure for conferences. Based on the H-index percentiles, the conferences are grouped into performance classes that range from A1 (=best), A2, B1... B5 (=worst), (Available at: http://www.conferenceranks.com/).

CORA (2014)

The CORE Conference Ranking is an ongoing activity that provides assessments of major conferences in the computing disciplines.The rankings are managed by the CORE Executive Committee, with updates processed from time to time by a subcommittee established as needed. CORA metric for each conference and workshop is calculated by a mix of indicators, including citation rates, paper submission and acceptance rates, and the visibility and research track record of the key people hosting the conference and managing its technical program. Based on the CORA percentiles, the conferences are grouped into performance classes that range from A* (=best), A, B, C, Australasian, and Unranked (=worst), (Available at: http://portal.core.edu.au/conf-ranks/).

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