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Research Publications

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| Auto Neural Architecture Generator for UAV-Based Geospatial Surveillance for Aerial Crisis Mapping in Dark | 2020 |
| A Rai, RJ Kannan Journal of the Indian Society of Remote Sensing, 1-8 | |
| Population Coding of Generative Neuronal Cells for Collaborative Decision Making in UAV-Based SLAM Operations | 2020 |
| A Rai, RJ Kannan Journal of the Indian Society of Remote Sensing, 1-7 | |
| Classification of Diabetic Retinopathy using Residual Neural Network | 2020 |
| C Priyadharsini, J Jeyapriya, RJ Kannan, GB Kumar, TP Sakriki IOP Conference Series: Materials Science and Engineering 925 (1), 012033 | |
| Real Time Design and Implementation of FPGA Based Timing and Control System for Wireless Radar Communication | 2020 |
| P Kamaraj, RJ Kannan IOP Conference Series: Materials Science and Engineering 925 (1), 012064 | |
| Low Cost Autonomous Driving Architecture using Ultrasonic Sensors and Camera | 2020 |
| S Manivannan, RJ Kannan IOP Conference Series: Materials Science and Engineering 925 (1), 012037 | |
| Doctor Finder: Find doctors on the Go | 2020 |
| RJ Kannan, H Tamakuwala, S Kale, HR Bhowmick IOP Conference Series: Materials Science and Engineering 925 (1), 012038 | |
| IP Traffic Modelling in Scalable Drone Network for Carrying Scalable Logistic Operations | 2020 |
| A Rai, RJ Kannan Wireless Personal Communications 113 (4), 1661-1671 | |
| Detection of anomalies in cloud services using network flowdata analysis | 2020 |
| SS Chakravarthi, RJ Kannan The International Journal of Electrical Engineering & Education ... | |
| Reinforcement learning-based controller for adaptive workflow scheduling in multi-tenant cloud computing | 2020 |
| DS Kumar, RJ Kannan INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION | |
| Query optimisation with weighted fish school search in ontological database with application of bioinformatics | 2020 |
| R Jaya, CS Pillai, RJ Kannan International Journal of Medical Engineering and Informatics 12 (6), 568-580 | |
| Ontology based Concept Extraction and Classification of Ayurvedic Documents | 2020 |
| M Gayathri, RJ Kannan Procedia Computer Science 172, 511-516 | |
| Enhancing Security in Smart Homes-A Review | 2020 |
| B Janita, RJ Kannan, N Kumarathanan Intelligent Computing in Engineering, 361-369 | |

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|---|------|
| Construction of Domain Ontology for Traditional Ayurvedic Medicine M Gayathri, RJ Kannan Intelligent Computing in Engineering, 417-426 | 2020 |
| Non-linear Correction of Transient Authentication System for Cloud Security S Shanthi, RJ Kannan Intelligent Computing in Engineering, 379-386 | 2020 |
| Design and development of the optical control network active phased array radar P Kamaraj, RJ Kannan INTERNATIONAL JOURNAL OF ELECTRICAL ENGINEERING EDUCATION | 2019 |
| Group solution for free convection flow of dissipative fluid from non-isothermal vertical cone RM Kannan, B Pullepu, P Sambath AIP Conference Proceedings 2112 (1), 020014 | 2019 |
| Unsteady free convective MHD radiative mass transfer flow past from an inclined vertical plate with heat source and sink P Sambath, B Pullepu, RM Kannan AIP Conference Proceedings 2112 (1), 020005 | 2019 |
| Co-simulation Based Finite State Machine for Telematic and Data Compression Microservices in IoT A Rai, RJ Kannan Wireless Personal Communications 105 (3), 1069-1082 | 2019 |
| Numerical solutions of dissipative natural convective flow from a vertical cone with heat absorption, generation, MHD and radiated surface heat flux RM Kannan, B Pullepu, SA Shehzad International Journal of Applied and Computational Mathematics 5 (1), 1-21 | 2019 |
| Non-linear Dimensionality Reduction-based Intrusion Detection using Deep Autoencoder SS Chakravarthi, RJ Kannan network 10 (8) | 2019 |
| Shoreline evolution along uppada coast in andhra pradesh using multi temporal satellite images and model based approach R Kannan, A Kanungo, MV Murty, KV Ramana Indian Journal of Geosynthetics and Ground Improvement 8 (1), 14-19 | 2019 |
| Studies on Methanolic Extract of Brown Algal Seaweed Liagora ceranoides JV Lamouroux from Southern Coast of Tamilnadu R Kannan, ND Priya | 2019 |
| Analysis of stock market using streaming data framework 3 | 2018 |
| KS Umadevi, A Gaonka, R Kulkarni, RJ Kannan 2018 International Conference on Advances in Computing, Communications and ... | |
| Text Summarization of Spanish Documents | 2018 |
| KS Umadevi, R Chopra, N Singh, L Aruru, RJ Kannan 2018 International Conference on Advances in Computing, Communications and ... | |
| Radiative Effects on a Free Convective MHD Flow past a Vertically Inclined Plate with with Heat Source and Sink | 2018 |
| P Sambath, B Pullepu, RM Kannan JPhCS 1000 (1), 012011 | |

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| <p>Numerical study of Free Convective Viscous Dissipative flow along Vertical Cone with Influence of Radiation using Network Simulation method</p> <p>RM Kannan, B Pullepu, Y Immanuel JPhCS 1000 (1), 012012</p> | 2018 |
| <p>Algal fuel cell</p> <p>P Sivakumar, K Ilango, N Praveena, A Sircar, R Balasubramanian Microalgal Biotechnology, 91</p> | 2018 |
| <p>TRANSLATIONAL NETWORK: NETWORKED INFRASTRUCTURE FOR SCALABLE DRONE SERVICES</p> <p>A Rai, RJ Kannan International Journal of Pure and Applied Mathematics 118 (24)</p> | 2018 |
| <p>QUASI OPPORTUNISTIC SUPERCOMPUTING USING POPULATION CODING OF NEURONS IN INTEGRATION WITH CO-SIMULATED NETWORKING</p> <p>A Rai, RJ Kannan International Journal of Pure and Applied Mathematics 118 (24)</p> | 2018 |
| <p>An Enhanced and Efficient Approach for Improving the Performance of HPC Environment Using Map-Reduce With MARIANE</p> <p>PJS Kumar, RJ Kannan Materials Today: Proceedings 5 (1), 1980-1988</p> | 2018 |
| <p>Ontology based Indian medical system</p> <p>M Gayathri, RJ Kannan Materials Today: Proceedings 5 (1), 1974-1979</p> | 2018 |
| <p>Differed Restructuring of Neural Connectome Using Evolutionary Neurodynamic Algorithm for Improved M2M Online Learning</p> <p>A Rai, RJ Kannan Procedia computer science 133, 298-305</p> | 2018 |
| <p>Category Theory Infused Probabilistic Policy Learning Based Mission-Aware Middleware Services for Collaborative Communication</p> <p>A Rai, RJ Kannan International Journal of Pure and Applied Mathematics 118 (24)</p> | 2018 |
| <p>Efficient secure system of data in cloud using steganography based cryptosystem with FSN</p> <p>S Shanthi, RJ Kannan, S Santhi Materials Today: Proceedings 5 (1), 1967-1973</p> | 2018 |
| <p>An Enumeration of Radiotherapy Terminologies, Planning and its Optimization</p> <p>K Naresh, RJ Kannan Materials Today: Proceedings 5 (1), 1048-1056</p> | 2018 |
| <p>Ontology Based Optimization with Adaptive Network Based Fuzzy Inference System Based Health Maintenance System</p> <p>R Jaya, CS Pillai, RJ Kannan Int J Cur Res Rev Vol 9 (23), 32</p> | 2017 |
| <p>Parallel and pipelined 2-D median filter architecture</p> <p>J Subramaniam, RJ Kannan, D Ebenezer IEEE Embedded Systems Letters 10 (3), 69-72</p> | 2017 |
| <p>Membrane computing based scalable distributed learning and collaborative decision making for cyber physical systems</p> <p>A Rai, RJ Kannan 2017 IEEE 26th international conference on enabling technologies ...</p> | 2017 |

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| Sustainable life-span of WSN nodes using participatory devices in pervasive environment N Prabakaran, RJ Kannan Microsystem Technologies 23 (3), 651-657 | 2017 |
| Multi-user networked framework for virtual reality platform A Rai, RJ Kannan, S Ramanathan 2017 14th IEEE Annual Consumer Communications & Networking Conference (CCNC ... | 2017 |
| Application of graph theory and Linear Programming for Intensity Modulated Radiation therapy (IMRt) Cancer treatment K Naresh, RJ Kannan Indian Journal of Public Health Research & Development 8 (4), 1293-1299 | 2017 |
| Free Convection Flow Past from Horizontally Inclined Plate in Thermally Stratified Medium P Sambath, RM Kannan, B Pullepu International Journal of Pure and Applied Mathematics 114 (12), 313-322 | 2017 |
| Free Convective Flow from Vertical Cone with Heat Generation in the Presence of Variable Surface Heat Flux RM Kannan, B Pullepu International Journal of Pure and Applied Mathematics 113 (13), 180-188 | 2017 |
| An efficient system model for multicasting measured noise value of polluting industries N Kannan, K Arasu, RJ Kannan, R Ganesan Proceedings of International Conference on Communication and Networks, 377-383 | 2017 |
| Cooperative Sensors for Identifying an Impulsive Events of Asynchronous Environment N Prabakaran, RJ Kannan Proceedings of International Conference on Communication and Networks, 215-222 | 2017 |
| Sleep Scheduling for Energy Efficient Load Balance Routing in Heterogeneous Wireless Sensor Network AK Velmurugan, RJ Kannan Indian Journal of Public Health Research & Development 8 (3), 604-609 | 2017 |
| Quasi opportunistic supercomputing for geospatial socially networked mobile devices A Rai, S Ramanathan, RJ Kannan 2016 IEEE 25th international conference on enabling technologies ... | 2016 |
| Shoreline change monitoring in Nellore coast at East Coast Andhra Pradesh District using remote sensing and GIS R Kannan, MV Ramanamurthy, A Kanungo J Fisheries Livest Prod 4 (161), 2 | 2016 |
| The E368Q Mutant Allele of GJA8 is Associated with Congenital Cataracts with Intrafamilial Variation in a South Indian Family GS Kumar, KD Kumar, PJ Minogue, VM Berthoud, R Kannan, EC Beyer, ... Open access journal of ophthalmology 1 (1) | 2016 |
| An Enhanced and Efficient Approach for Improving the Performance of HPC Environment Using Map-Reduce With MARIANE SK PJ, RJ Kannan | 2016 |
| Detection of shoreline changes Visakhapatnam coast, Andhra Pradesh from multi-temporal satellite images R Kannan, A Kanungo, MVR Murthy Journal of Remote Sensing and GIS 5, 157-164 | 2016 |

**F-MAC: AN OPTIMAL CLUSTERING BASED FAULT TOLERANT SYSTEM
FOR UNDERWATER ACOUSTIC SENSOR NETWORKS**

U KS, RJ Kannan

International Journal of Pure and Applied Mathematics 109 (8), 177-184

2016