

ZUNINO RODOLFO

Overview

? Unit: ICT
? Role: Professore ordinario
? Grade: Prof.Ordinario Legge 240/10 - t.pieno - classe 2
? SSD: IINF-01/A (Elettronica)
? Scopus ID: 7006338311
? Unige Id: 054565
? Retrieved at: 2025-11-14T15:16:47.887621

Contact

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? Phone: +39 010 33 52269
? Page: <https://rubrica.unige.it/personale/VUZDXlxs>
? Locations: Opera Pia - padiglione D (ED161450401), 2° piano, US161450401.II.030

Career

? Pa, 2012-05-01 ? 2020-10-31
? Po, 2020-11-01 ? 2222-02-02

Responsibilities

? Title: Membro della Giunta di dipartimento
? Unit: Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni - DITEN
? Period: 2024-11-01 ? 2027-10-31

Teaching

2025

? Elettronica (72344), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Elettronica (72344), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Programmazione Dei Sistemi Elettronici (108694), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Sistemi Elettronici Embedded (72530), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Elettronica 2 (108693), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Elettronica 2 (108693), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Sicurezza Informatica E Internet Delle Cose (118504), Stsi Lm - Indirizzo Scienze E Tecnologie Per La Societa' Dell'Informazione
? Electronics For Security (114751), Lm-29 - Electronic Engineering

2024

? Architetture Hardware Di Sistemi Embedded (94785), Lm-33 - Ingegneria Meccanica - Progettazione E Produzione
? Architetture Hardware Di Sistemi Embedded (94785), Lm-33 - Ingegneria Meccanica - Progettazione E Produzione
? Modulo A Di Sistemi Elettronici Embedded (72530), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Programmazione Dei Sistemi Elettronici (108694), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Elementi Di Elettronica (107827), L-P03 - Tecnologie Industriali

2023

? Cyber Security (86950), Lm-29 - Ingegneria Elettronica

? Architetture Hardware Di Sistemi Embedded (94785), Lm-33 - Ingegneria Meccanica - Progettazione E Produzione
? Programmazione Dei Sistemi Elettronici (108694), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Modulo A Di Sistemi Elettronici Embedded (72530), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Cyber Security E Internet Of Things (98581), Stsi Lm - Indirizzo Scienze E Tecnologie Per La Societa' Dell'Informazione

2022

? Cyber Security (86950), Lm-29 - Ingegneria Elettronica
? Architetture Hardware Di Sistemi Embedded (94785), Lm-33 - Ingegneria Meccanica - Progettazione E Produzione
? Modulo A Di Sistemi Elettronici Embedded (72530), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Laboratorio Di Informatica E Telematica (94721), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione

2021

? Cyber Security (86950), Lm-29 - Ingegneria Elettronica
? Architetture Hardware Di Sistemi Embedded (94785), Lm-33 - Ingegneria Meccanica - Progettazione E Produzione
? Modulo A Di Sistemi Elettronici Embedded (72530), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Cyber Security E Internet Of Things (98581), Stsi Lm - Indirizzo Scienze E Tecnologie Per La Societa' Dell'Informazione

2020

? Cyber Security (86950), Lm-29 - Ingegneria Elettronica
? Architetture Hardware Di Sistemi Embedded (94785), Lm-33 - Ingegneria Meccanica - Progettazione E Produzione
? Modulo A Di Sistemi Elettronici Embedded (72530), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Cryptography (106869), Cybersecurity And Critical Infrastructure Protection
? Cryptographic Protocols & Blockchain Technologies (106856), Cybersecurity And Critical Infrastructure Protection
? Informatica Legale, Privacy And Cyber Crime (106875), Cybersecurity And Critical Infrastructure Protection
? Social Engineering And Intelligence For Cyber Security (106879), Cybersecurity And Critical Infrastructure Protection
? Introduction To Cybersecurity (106850), Cybersecurity And Critical Infrastructure Protection

Scopus Metrics

? absolute; Docs: 207; Journals: 88; Conferences: 92; Citations: 2816; H-index: 26
? 15 years (2010-2025); Docs: 82; Journals: 37; Conferences: 33; Citations: 1587; H-index: 19
? 10 years (2015-2025); Docs: 55; Journals: 25; Conferences: 19; Citations: 626; H-index: 12
? 05 years (2020-2025); Docs: 30; Journals: 15; Conferences: 8; Citations: 150; H-index: 8

Scopus Products

1.
? Title: Supporting in-Sensor Computing with Hardware-Aware Neural Architecture Search

? Venue: Lecture Notes in Electrical Engineering
? Year: 2025
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-031-71518-1_48
? Scopus ID: 2-s2.0-85216033591
? Issn: 18761100
? eISSN: 18761119
? Volume: 1263 Lnee
? Pages: 407-412
? Authors: Mattia Garavagno Andrea; Ragusa Edoardo; Zunino Rodolfo; Frisoli Antonio; Gastaldo Paolo
? Keywords: hardware-aware neural architecture search | In-sensor computing | tinyML
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
? Source Id: 19700186822
? Author Ids: 57890031900;56580248800;7006338311;6603070041;35612596100
? Authoraffiliationids: 60025153-60028039;60025153;60025153;60028039;60025153
? Corresponding: Mattia Garavagno A.

2.
? Title: Towards Energy-Efficient Smart Sensing Nodes for Automatic Structural Health Monitoring
? Venue: Lecture Notes in Electrical Engineering
? Year: 2025
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-031-71518-1_50
? Scopus ID: 2-s2.0-85215950120
? Issn: 18761100
? eISSN: 18761119
? Volume: 1263 Lnee
? Pages: 422-428
? Authors: Ragusa Edoardo; Zonzini Federica; Gastaldo Paolo; Zunino Rodolfo; De Marchi Luca
? Keywords: Energy profiling | Smart Sensors | Tiny CNNs | Vibration inspection
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
? Source Id: 19700186822
? Author Ids: 56580248800;57204769530;35612596100;7006338311;57210976394
? Authoraffiliationids: 60025153;60028218;60025153;60025153;60028218
? Corresponding: Ragusa E.

3.
? Title: Filling the Pareto-Optimal Front for Affordance Segmentation on Embedded Devices Using RGB-D Cameras
? Venue: IEEE Sensors Journal
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 0
? Doi: 10.1109/Jsen.2025.3574506

? Scopus ID: 2-s2.0-105007421510
? Issn: 1530437x
? eISSN: 15581748
? Volume: 25
? Issue: 14
? Pages: 27467-27477
? Authors: Ragusa Edoardo; Paolo Canuti Giovanni; Lugani Simone; Zunino Rodolfo; Gastaldo Paolo
? Keywords: Affordance segmentation (AS) | embedded systems | grasping | microcontrollers | tiny CNNs | wearable robots
? Quartile:
2025:
? Instrumentation (Q1, rank 27, percentile 85)
? Electrical and Electronic Engineering (Q1, rank 175, percentile 82)
? Source Id: 15047
? Author Ids: 56580248800;60004874500;58864648100;7006338311;35612596100
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Ragusa E.

4.

? Title: Tiny Neural Networks for Session-Level Traffic Classification
? Venue: Lecture Notes in Electrical Engineering
? Year: 2025
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-031-84100-2_41
? Scopus ID: 2-s2.0-105000819605
? Issn: 18761100
? eISSN: 18761119
? Volume: 1369 Lnee
? Pages: 347-354
? Authors: Chehade Adel; Ragusa Edoardo; Gastaldo Paolo; Zunino Rodolfo
? Keywords: Internet of Things | Network Traffic Analysis | Session Classification | Tiny CNNs
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
? Source Id: 19700186822
? Author Ids: 59706455200;56580248800;35612596100;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Chehade A.

5.

? Title: Enhanced HW-NAS for Affordance Segmentation on Wearable Robotics
? Venue: Proceedings of the IEEE International Conference on Electronics Circuits and Systems
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Icecs61496.2024.10848579
? Scopus ID: 2-s2.0-85217615857
? Issn: 29945755
? eISSN: 29950589
? Authors: Ragusa Edoardo; Zunino Rodolfo; Loconsole Claudio; Frisoli Antonio; Gastaldo

Paolo

? Keywords: Affordance segmentation | CNNs | Embedded Systems | Grasping | Wearable robots

? Quartile:

2025:

? Electrical and Electronic Engineering (Q4, rank 913, percentile 8)

2024:

? Electrical and Electronic Engineering (Q4, rank 941, percentile 2)

? Source Id: 91096

? Author Ids: 56580248800;7006338311;36195922700;6603070041;35612596100

? Authoraffiliationids: 60025153;60025153;60114022-60028039;60028039;60025153

? Corresponding: Ragusa E.

6.

? Title: Design and Implementation of Tiny Deep Neural Networks for Landing Pad Detection on UAVs

? Venue: IEEE Access

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 0

? Doi: 10.1109/Access.2024.3454363

? Scopus ID: 2-s2.0-85203524214

? eISSN: 21693536

? Volume: 12

? Pages: 124009-124020

? Authors: Ragusa Edoardo; Taccioli Tommaso; Canepa Alessio; Zunino Rodolfo; Gastaldo Paolo

? Keywords: Embedded systems | landing pad detection | microcontrollers | tiny CNNs | UAVs

? Quartile:

2025:

? Engineering (all) (Q1, rank 42, percentile 88)

? Computer Science (all) (Q1, rank 41, percentile 83)

? Materials Science (all) (Q1, rank 101, percentile 78)

2024:

? Engineering (all) (Q1, rank 32, percentile 90)

? Computer Science (all) (Q1, rank 33, percentile 86)

? Materials Science (all) (Q1, rank 87, percentile 81)

? Source Id: 21100374601

? Author Ids: 56580248800;57388797900;7004014399;7006338311;35612596100

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153

? Corresponding: Ragusa E.

7.

? Title: Compression-Accuracy Co-Optimization Through Hardware-Aware Neural Architecture Search for Vibration Damage Detection

? Venue: IEEE Internet of Things Journal

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 4

? Doi: 10.1109/Jiot.2024.3419251

? Scopus ID: 2-s2.0-85197040934

? eISSN: 23274662

? Volume: 11

? Issue: 19
? Pages: 31745-31757
? Authors: Ragusa Edoardo; Zonzini Federica; De Marchi Luca; Zunino Rodolfo
? Keywords: Automatic structural health monitoring (ASHM) | compression-accuracy co-optimization | energy profiling | hardware-aware neural architecture search (NAS) | smart sensor systems
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 20, percentile 96)
? Hardware and Architecture (Q1, rank 9, percentile 96)
? Signal Processing (Q1, rank 12, percentile 94)
? Computer Science Applications (Q1, rank 62, percentile 93)
? Information Systems (Q1, rank 32, percentile 93)
2024:
? Hardware and Architecture (Q1, rank 6, percentile 97)
? Computer Networks and Communications (Q1, rank 16, percentile 96)
? Signal Processing (Q1, rank 8, percentile 95)
? Information Systems (Q1, rank 21, percentile 95)
? Computer Science Applications (Q1, rank 45, percentile 95)
? Source Id: 21100338350
? Author Ids: 56580248800;57204769530;57210976394;7006338311
? Authoraffiliationids: 60025153;60028218;60028218;60025153
? Corresponding: Ragusa E.

8.

? Title: Lightweight Neural Networks for Affordance Segmentation: Enhancement of the Decoder Module
? Venue: Lecture Notes in Electrical Engineering
? Year: 2024
? Type: Book Series
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1007/978-3-031-48121-5_63
? Scopus ID: 2-s2.0-85184096408
? Issn: 18761100
? eISSN: 18761119
? Volume: 1110 Lnee
? Pages: 437-443
? Authors: Lugani Simone; Ragusa Edoardo; Zunino Rodolfo; Gastaldo Paolo
? Keywords: Affordance Segmentation | Embedded Computer Vision | Wearable Robots
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
2024:
? Industrial and Manufacturing Engineering (Q4, rank 308, percentile 23)
? Source Id: 19700186822
? Author Ids: 58864648100;56580248800;7006338311;35612596100
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Lugani S.

9.

? Title: Affordance Segmentation Using Tiny Networks for Sensing Systems in Wearable Robotic Devices
? Venue: IEEE Sensors Journal
? Year: 2023
? Type: Journal

? Subtype: Article
 ? Citations: 6
 ? Doi: 10.1109/Jsen.2023.3308615
 ? Scopus ID: 2-s2.0-85170541519
 ? Issn: 1530437x
 ? eISSN: 15581748
 ? Volume: 23
 ? Issue: 19
 ? Pages: 23916-23926
 ? Authors: Ragusa Edoardo; Dosen Strahinja; Zunino Rodolfo; Gastaldo Paolo
 ? Keywords: Affordance segmentation | embedded systems | grasping | microcontrollers | tiny convolutional neural networks (CNNs) | wearable robots
 ? Quartile:
 2025:
 ? Instrumentation (Q1, rank 27, percentile 85)
 ? Electrical and Electronic Engineering (Q1, rank 175, percentile 82)
 2023:
 ? Instrumentation (Q1, rank 20, percentile 86)
 ? Electrical and Electronic Engineering (Q1, rank 148, percentile 81)
 ? Source Id: 15047
 ? Author Ids: 56580248800;23388778600;7006338311;35612596100
 ? Authoraffiliationids: 60025153;60022134;60025153;60025153
 ? Corresponding: Ragusa E.

10.

? Title: An approximate randomization-based neural network with dedicated digital architecture for energy-constrained devices
 ? Venue: Neural Computing and Applications
 ? Year: 2023
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 2
 ? DOI: 10.1007/s00521-022-08034-2
 ? Scopus ID: 2-s2.0-85142935817
 ? Issn: 09410643
 ? eISSN: 14333058
 ? Volume: 35
 ? Issue: 9
 ? Pages: 6753-6766
 ? Authors: Ragusa Edoardo; Gianoglio Christian; Zunino Rodolfo; Gastaldo Paolo
 ? Keywords: Digital architectures | Extreme learning machine | FPGA | Low-power | Random vector functional link networks | Randomization-based neural networks | Threshold function
 ? Quartile:
 2025:
 ? Software (Q1, rank 43, percentile 91)
 ? Artificial Intelligence (Q1, rank 57, percentile 88)
 2023:
 ? Software (Q1, rank 42, percentile 89)
 ? Artificial Intelligence (Q1, rank 50, percentile 85)
 ? Source Id: 24800
 ? Author Ids: 56580248800;56580140000;7006338311;35612596100
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153
 ? Corresponding: Ragusa E.

11.

? Title: Affordance Segmentation Using RGB-D Sensors for Application in Portable Embedded Systems
? Venue: Lecture Notes in Electrical Engineering
? Year: 2023
? Type: Book Series
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1007/978-3-031-30333-3_14
? Scopus ID: 2-s2.0-85161369827
? Issn: 18761100
? eISSN: 18761119
? Volume: 1036 Lnee
? Pages: 109-116
? Authors: Ragusa Edoardo; Ghezzi Matteo Pastorino; Zunino Rodolfo; Gastaldo Paolo
? Keywords: Affordance prediction | CNNs | embedded systems | Grasp selection | prosthetics
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
2023:
? Industrial and Manufacturing Engineering (Q4, rank 306, percentile 20)
? Source Id: 19700186822
? Author Ids: 56580248800;58308130900;7006338311;35612596100
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Ragusa E.

12.

? Title: Text-Image Sentiment Analysis
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2023
? Type: Book Series
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1007/978-3-031-23804-8_14
? Scopus ID: 2-s2.0-85149915000
? Issn: 03029743
? eISSN: 16113349
? Volume: 13397 LnCS
? Pages: 169-180
? Authors: Chen Qian; Ragusa Edoardo; Chaturvedi Iti; Cambria Erik; Zunino Rodolfo
? Keywords: Sentiment analysis | Text-image joint | Weighted score
? Quartile:
2025:
? Theoretical Computer Science (Q3, rank 70, percentile 48)
? Computer Science (all) (Q3, rank 129, percentile 46)
2023:
? Computer Science (all) (Q3, rank 121, percentile 48)
? Theoretical Computer Science (Q3, rank 69, percentile 47)
? Source Id: 25674
? Author Ids: 57196048094;56580248800;12646151300;56140547500;7006338311
? Authoraffiliationids: 60078616;60025153;60078616;60078616;60025153
? Corresponding: Chen Q.

13.

? Title: Random Weights Neural Network for Low-Cost Readout of Colorimetric Reactions:

Accurate Detection of Antioxidant Levels

? Venue: Lecture Notes in Networks and Systems

? Year: 2023

? Type: Book Series

? Subtype: Conference Paper

? Citations: 3

? Doi: 10.1007/978-3-031-16281-7_10

? Scopus ID: 2-s2.0-85138011595

? Issn: 23673370

? eISSN: 23673389

? Volume: 546 Lnns

? Pages: 95-104

? Authors: Ragusa Edoardo; Mastronardi Valentina; Pedone Deborah; Moglianetti Mauro; Pompa Pier Paolo; Zunino Rodolfo; Gastaldo Paolo

? Keywords: Embedded systems | Point of care devices | Random weights neural networks

? Quartile:

2025:

? Signal Processing (Q3, rank 146, percentile 25)

? Computer Networks and Communications (Q3, rank 410, percentile 25)

? Control and Systems Engineering (Q4, rank 302, percentile 20)

2023:

? Signal Processing (Q4, rank 113, percentile 14)

? Control and Systems Engineering (Q4, rank 277, percentile 13)

? Computer Networks and Communications (Q4, rank 354, percentile 10)

? Source Id: 21100901469

? Author Ids:

56580248800;57219834370;56814858900;25825351300;7003705815;7006338311;35612596100

? Authoraffiliationids:

60025153;60102151;60102151;60102151-60332746;60102151;60025153;60025153

? Corresponding: Ragusa E.

14.

? Title: Design of a Quantitative Readout in a Point-of-Care Device for Cisplatin Detection

? Venue: IEEE Sensors Letters

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 4

? Doi: 10.1109/Lsens.2022.3219628

? Scopus ID: 2-s2.0-85141613394

? eISSN: 24751472

? Volume: 6

? Issue: 11

? Authors: Ragusa Edoardo; Zunino Rodolfo; Mastronardi Valentina; Moglianetti Mauro; Pompa Pier P.; Gastaldo Paolo

? Keywords: automatic readout | machine learning (ML) | point-of-care (POC) devices | Sensor applications

? Quartile:

2025:

? Instrumentation (Q2, rank 70, percentile 63)

? Electrical and Electronic Engineering (Q2, rank 397, percentile 60)

2022:

? Instrumentation (Q2, rank 39, percentile 71)

? Electrical and Electronic Engineering (Q2, rank 233, percentile 68)

? Source Id: 21100976671
? Author Ids: 56580248800;7006338311;57219834370;25825351300;7003705815;35612596100
? Authoraffiliationids: 60025153;60025153;60102151;60102151;60025153;60025153
? Corresponding: Ragusa E.

15.

? Title: The LAMA system: A ?smart? magnetometer network for harbour protection
? Venue: Journal of Applied Geophysics
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 1
? DOI: 10.1016/j.jappgeo.2022.104743
? Scopus ID: 2-s2.0-85132505937
? Issn: 09269851
? Volume: 204
? Authors: Soldani Maurizio; Faggioni Osvaldo; Zunino Rodolfo; Carbone Alessandro; Gemma Marco
? Keywords: Environmental magnetism | Harbour protection | Magnetic anomaly detection | Marine geophysics | Time series analysis | Underwater magnetic systems
? Quartile:
2025:
? Geophysics (Q2, rank 49, percentile 72)
2022:
? Geophysics (Q2, rank 52, percentile 66)
? Source Id: 28435
? Author Ids: 17136096200;6602181469;7006338311;57758908700;57759106100
? Authoraffiliationids: 60000243;60000243-60025153;60025153;128254647;128254647
? Corresponding: Soldani M.

16.

? Title: From a Chemotherapeutic Drug to a High-Performance Nanocatalyst: A Fast Colorimetric Test for Cisplatin Detection at ppb Level
? Venue: Biosensors
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 9
? DOI: 10.3390/bios12060375
? Scopus ID: 2-s2.0-85132311033
? eISSN: 20796374
? Volume: 12
? Issue: 6
? Authors: Mastronardi Valentina; Moglianetti Mauro; Ragusa Edoardo; Zunino Rodolfo; Pompa Pier Paolo
? Keywords: cisplatin | colorimetric test | machine learning | nanocatalyst | point-of-care
? Quartile:
2025:
? Instrumentation (Q1, rank 10, percentile 94)
? Engineering (miscellaneous) (Q1, rank 22, percentile 92)
? Clinical Biochemistry (Q1, rank 12, percentile 90)
? Analytical Chemistry (Q1, rank 16, percentile 90)
? Biomedical Engineering (Q1, rank 43, percentile 87)
? Biotechnology (Q1, rank 45, percentile 86)
2022:

- ? Engineering (miscellaneous) (Q1, rank 33, percentile 78)
 - ? Instrumentation (Q2, rank 40, percentile 70)
 - ? Analytical Chemistry (Q2, rank 54, percentile 62)
 - ? Biomedical Engineering (Q2, rank 116, percentile 58)
 - ? Biotechnology (Q2, rank 130, percentile 56)
 - ? Clinical Biochemistry (Q3, rank 58, percentile 49)
 - ? Source Id: 21100293900
 - ? Author Ids: 57219834370;25825351300;56580248800;7006338311;7003705815
 - ? Authoraffiliationids: 60102151;60102151;60025153;60025153;60102151
 - ? Corresponding: Mastronardi V.
- 17.
- ? Title: Detection-based video surveillance using Deep Neural Networks on STM32 microcontroller
 - ? Venue: Icecs 2022 29th IEEE International Conference on Electronics Circuits and Systems Proceedings
 - ? Year: 2022
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 2
 - ? Doi: 10.1109/Icecs202256217.2022.9970956
 - ? Scopus ID: 2-s2.0-85145358911
 - ? Authors: Canepa Alessio; Ragusa Edoardo; Zunino Rodolfo; Gastaldo Paolo
 - ? Keywords: Computer Vision | Deep Learning | Embedded Systems | Surveillance
 - ? Source Id: 21101129746
 - ? Author Ids: 7004014399;56580248800;7006338311;35612596100
 - ? Authoraffiliationids: 60025153;60025153;60025153;60025153
 - ? Corresponding: Canepa A.
- 18.
- ? Title: A Pipelined Implementation of the n-mode Tensor-Matrix Multiplication
 - ? Venue: Icecs 2022 29th IEEE International Conference on Electronics Circuits and Systems Proceedings
 - ? Year: 2022
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 1
 - ? Doi: 10.1109/Icecs202256217.2022.9970979
 - ? Scopus ID: 2-s2.0-85145357032
 - ? Authors: Ragusa Edoardo; Gianoglio Christian; Zunino Rodolfo; Valle Maurizio; Gastaldo Paolo
 - ? Keywords: Digital Architectures | Low-Power | Multidimensional Array | Tensors
 - ? Source Id: 21101129746
 - ? Author Ids: 56580248800;56580140000;7006338311;57197744325;35612596100
 - ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
 - ? Corresponding: Ragusa E.
- 19.
- ? Title: Design and Deployment of an Image Polarity Detector with Visual Attention
 - ? Venue: Cognitive Computation
 - ? Year: 2022
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 16
 - ? DOI: 10.1007/s12559-021-09829-6
 - ? Scopus ID: 2-s2.0-85099752269
 - ? Issn: 18669956

? eISSN: 18669964
? Volume: 14
? Issue: 1
? Pages: 261-273
? Authors: Ragusa Edoardo; Apicella Tommaso; Gianoglio Christian; Zunino Rodolfo; Gastaldo Paolo
? Keywords: Convolutional neural network | Embedded systems | Image polarity detection
? Quartile:
2025:
? Cognitive Neuroscience (Q1, rank 7, percentile 94)
? Computer Vision and Pattern Recognition (Q1, rank 16, percentile 90)
? Computer Science Applications (Q1, rank 102, percentile 89)
2022:
? Computer Science Applications (Q1, rank 142, percentile 82)
? Cognitive Neuroscience (Q1, rank 21, percentile 81)
? Computer Vision and Pattern Recognition (Q1, rank 20, percentile 80)
? Source Id: 19400158515
? Author Ids: 56580248800;57216366806;56580140000;7006338311;35612596100
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Ragusa E.

20.

? Title: Efficient Digital Implementation of n-mode Tensor-Matrix Multiplication
? Venue: 2021 IEEE 3rd International Conference on Artificial Intelligence Circuits and Systems Aicas 2021
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Aicas51828.2021.9458404
? Scopus ID: 2-s2.0-85113339876
? Authors: Gianoglio Christian; Ragusa Edoardo; Zunino Rodolfo; Gastaldo Paolo
? Keywords: Digital Architectures | Low-Power | Multidimensional Array | Tensors
? Source Id: 21101056807
? Author Ids: 56580140000;56580248800;7006338311;35612596100
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Gianoglio C.

21.

? Title: Random-based networks with dropout for embedded systems
? Venue: Neural Computing and Applications
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 11
? DOI: 10.1007/s00521-020-05414-4
? Scopus ID: 2-s2.0-85093104100
? Issn: 09410643
? eISSN: 14333058
? Volume: 33
? Issue: 12
? Pages: 6511-6526
? Authors: Ragusa Edoardo; Gianoglio Christian; Zunino Rodolfo; Gastaldo Paolo
? Keywords: Embedded systems | Internet of Things | Random-based neural networks
? Quartile:
2025:

? Software (Q1, rank 43, percentile 91)
? Artificial Intelligence (Q1, rank 57, percentile 88)
2021:
? Software (Q1, rank 58, percentile 85)
? Artificial Intelligence (Q1, rank 43, percentile 84)
? Source Id: 24800
? Author Ids: 56580248800;56580140000;7006338311;35612596100
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Ragusa E.

22.

? Title: T-rexnet?a hardware-aware neural network for real-time detection of small moving objects
? Venue: Sensors Switzerland
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 9
? DOI: 10.3390/s21041252
? Scopus ID: 2-s2.0-85100595529
? Issn: 14248220
? Volume: 21
? Issue: 4
? Pages: 1-18
? Authors: Canepa Alessio; Ragusa Edoardo; Zunino Rodolfo; Gastaldo Paolo
? Keywords: Neural networks | Object detection | Real-time | Surveillance
? Quartile:

2025:
? Instrumentation (Q1, rank 19, percentile 90)
? Electrical and Electronic Engineering (Q1, rank 136, percentile 86)
? Atomic and Molecular Physics, and Optics (Q1, rank 36, percentile 85)
? Biochemistry (Q1, rank 72, percentile 84)
? Information Systems (Q1, rank 87, percentile 82)
? Analytical Chemistry (Q1, rank 30, percentile 82)

2021:
? Instrumentation (Q1, rank 12, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 134, percentile 81)
? Atomic and Molecular Physics, and Optics (Q1, rank 42, percentile 79)
? Analytical Chemistry (Q1, rank 27, percentile 79)
? Information Systems (Q1, rank 77, percentile 78)
? Biochemistry (Q2, rank 145, percentile 66)

? Source Id: 130124
? Author Ids: 7004014399;56580248800;7006338311;35612596100
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Canepa A.

23.

? Title: 1-D Convolutional Neural Networks for Touch Modalities Classification
? Venue: 2021 28th IEEE International Conference on Electronics Circuits and Systems Icecs 2021 Proceedings
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 15
? Doi: 10.1109/Icecs53924.2021.9665576
? Scopus ID: 2-s2.0-85124619783

? Authors: Gianoglio Christian; Ragusa Edoardo; Zunino Rodolfo; Valle Maurizio
? Keywords: CNNs | embedded systems | Touch modalities classification
? Source Id: 21101075833
? Author Ids: 56580140000;56580248800;7006338311;57197744325
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Gianoglio C.

24.

? Title: A pose-based hand image classification method retrainable on embedded target devices
? Venue: 2021 28th IEEE International Conference on Electronics Circuits and Systems Icecs 2021 Proceedings
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Icecs53924.2021.9665637
? Scopus ID: 2-s2.0-85124589590
? Authors: Canepa Alessio; Ragusa Edoardo; Gianoglio Christian; Gastaldo Paolo; Zunino Rodolfo
? Keywords: Computer Vision | Deep Learning | Embedded Systems | Grasping
? Source Id: 21101075833
? Author Ids: 7004014399;56580248800;56580140000;35612596100;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Canepa A.

25.

? Title: Image Polarity Detection on Resource-Constrained Devices
? Venue: IEEE Intelligent Systems
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 12
? Doi: 10.1109/Mis.2020.3011586
? Scopus ID: 2-s2.0-85089293993
? Issn: 15411672
? eISSN: 19411294
? Volume: 35
? Issue: 6
? Pages: 50-57
? Authors: Ragusa Edoardo; Gianoglio Christian; Zunino Rodolfo; Gastaldo Paolo
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 46, percentile 91)
? Artificial Intelligence (Q1, rank 62, percentile 87)
2020:
? Computer Networks and Communications (Q1, rank 30, percentile 91)
? Artificial Intelligence (Q1, rank 28, percentile 87)
? Source Id: 110111
? Author Ids: 56580248800;56580140000;7006338311;35612596100
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Ragusa E.

26.

? Title: Balancing computational complexity and generalization ability: A novel design for ELM
? Venue: Neurocomputing

? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 12
? DOI: 10.1016/j.neucom.2020.03.046
? Scopus ID: 2-s2.0-85083295650
? Issn: 09252312
? eISSN: 18728286
? Volume: 401
? Pages: 405-417
? Authors: Ragusa Edoardo; Gastaldo Paolo; Zunino Rodolfo; Cambria Erik
? Keywords: Electronic embedded systems | Extreme learning machine | Similarity functions
? Quartile:
2025:
? Cognitive Neuroscience (Q1, rank 10, percentile 92)
? Computer Science Applications (Q1, rank 124, percentile 87)
? Artificial Intelligence (Q1, rank 85, percentile 82)
2020:
? Cognitive Neuroscience (Q1, rank 6, percentile 94)
? Computer Science Applications (Q1, rank 51, percentile 92)
? Artificial Intelligence (Q1, rank 23, percentile 90)
? Source Id: 24807
? Author Ids: 56580248800;35612596100;7006338311;56140547500
? Authoraffiliationids: 60025153;60025153;60025153;60078616
? Corresponding: Ragusa E.

27.

? Title: Improving the Robustness of Threshold-Based Single Hidden Layer Neural Networks via Regularization
? Venue: Proceedings 2020 IEEE International Conference on Artificial Intelligence Circuits and Systems Aicas 2020
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Aicas48895.2020.9073976
? Scopus ID: 2-s2.0-85085040599
? Pages: 276-280
? Authors: Ragusa Edoardo; Gianoglio Christian; Zunino Rodolfo; Gastaldo Paolo
? Source Id: 21100983105
? Author Ids: 56580248800;56580140000;7006338311;35612596100
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Ragusa E.

28.

? Title: An hardware-aware image polarity detector enhanced with visual attention
? Venue: Proceedings of the International Joint Conference on Neural Networks
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Ijcn48605.2020.9206826
? Scopus ID: 2-s2.0-85093846854
? Authors: Ragusa Edoardo; Apicella Tommaso; Gianoglio Christian; Zunino Rodolfo; Gastaldo Paolo

? Keywords: CNN | embedded systems | image polarity detection
? Source Id: 96537
? Author Ids: 56580248800;57216366806;56580140000;7006338311;35612596100
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Ragusa E.

29.

? Title: A Design Strategy for the Efficient Implementation of Random Basis Neural Networks on Resource-Constrained Devices
? Venue: Neural Processing Letters
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 18
? DOI: 10.1007/s11063-019-10165-y
? Scopus ID: 2-s2.0-85076624919
? Issn: 13704621
? eISSN: 1573773X
? Volume: 51
? Issue: 2
? Pages: 1611-1629
? Authors: Ragusa Edoardo; Gianoglio Christian; Zunino Rodolfo; Gastaldo Paolo
? Keywords: CPLD | Digital architectures | FPGA | Random basis networks | Threshold function
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 110, percentile 79)
? Software (Q1, rank 105, percentile 79)
? Artificial Intelligence (Q1, rank 117, percentile 76)
? Neuroscience (all) (Q2, rank 29, percentile 74)
2020:
? Computer Networks and Communications (Q2, rank 102, percentile 69)
? Artificial Intelligence (Q2, rank 91, percentile 60)
? Software (Q2, rank 159, percentile 59)
? Neuroscience (all) (Q3, rank 61, percentile 45)
? Source Id: 24806
? Author Ids: 56580248800;56580140000;7006338311;35612596100
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Ragusa E.

30.

? Title: Unsupervised monitoring system for predictive maintenance of high voltage apparatus
? Venue: Energies
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 8
? DOI: 10.3390/en13051109
? Scopus ID: 2-s2.0-85081613972
? eISSN: 19961073
? Volume: 13
? Issue: 5
? Authors: Gianoglio Christian; Ragusa Edoardo; Bruzzzone Andrea; Gastaldo Paolo; Zunino Rodolfo; Guastavino Francesco
? Keywords: Embedded systems | Partial discharges | Predictive maintenance

? Quartile:

2025:

? Control and Optimization (Q1, rank 11, percentile 94)

? Engineering (miscellaneous) (Q1, rank 38, percentile 86)

? Electrical and Electronic Engineering (Q1, rank 155, percentile 84)

? Energy Engineering and Power Technology (Q1, rank 71, percentile 78)

? Fuel Technology (Q2, rank 40, percentile 70)

? Renewable Energy, Sustainability and the Environment (Q2, rank 110, percentile 64)

? Energy (miscellaneous) (Q2, rank 39, percentile 64)

2020:

? Control and Optimization (Q1, rank 17, percentile 85)

? Engineering (miscellaneous) (Q1, rank 13, percentile 83)

? Electrical and Electronic Engineering (Q2, rank 183, percentile 73)

? Energy (miscellaneous) (Q2, rank 7, percentile 72)

? Energy Engineering and Power Technology (Q2, rank 62, percentile 72)

? Fuel Technology (Q2, rank 33, percentile 67)

? Renewable Energy, Sustainability and the Environment (Q2, rank 69, percentile 64)

? Source Id: 62932

? Author Ids: 56580140000;56580248800;58402050900;35612596100;7006338311;7006692709

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153

? Corresponding: Gianoglio C.

31.

? Title: Data-driven video grasping classification for low-power embedded system

? Venue: 2019 26th IEEE International Conference on Electronics Circuits and Systems
Icecs 2019

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 7

? Doi: 10.1109/Icecs46596.2019.8964645

? Scopus ID: 2-s2.0-85079182347

? Pages: 871-874

? Authors: Ragusa Edoardo; Gianoglio Christian; Zunino Rodolfo; Gastaldo Paolo

? Keywords: CNNs | Embedded systems | Grasping classification | Prosthetics

? Source Id: 21100944554

? Author Ids: 56580248800;56580140000;7006338311;35612596100

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Ragusa E.

32.

? Title: A computationally light pruning strategy for single layer neural networks
based on threshold function

? Venue: 2019 26th IEEE International Conference on Electronics Circuits and Systems
Icecs 2019

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Icecs46596.2019.8964894

? Scopus ID: 2-s2.0-85079179021

? Pages: 89-92

? Authors: Ragusa Edoardo; Gianoglio Christian; Zunino Rodolfo; Gastaldo Paolo

? Keywords: Embedded systems | Neural networks | Threshold function

? Source Id: 21100944554

? Author Ids: 56580248800;56580140000;7006338311;35612596100

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Ragusa E.

33.

? Title: Cognitive Insights into Sentic Spaces Using Principal Paths

? Venue: Cognitive Computation

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 9

? DOI: 10.1007/s12559-019-09651-1

? Scopus ID: 2-s2.0-85069176199

? Issn: 18669956

? eISSN: 18669964

? Volume: 11

? Issue: 5

? Pages: 656-675

? Authors: Ragusa Edoardo; Gastaldo Paolo; Zunino Rodolfo; Ferrarotti Marco Jacopo; Rocchia Walter; Decherchi Sergio

? Keywords: Affective computing | Concept embedding | Sentiment analysis | Topological analysis

? Quartile:

2025:

? Cognitive Neuroscience (Q1, rank 7, percentile 94)

? Computer Vision and Pattern Recognition (Q1, rank 16, percentile 90)

? Computer Science Applications (Q1, rank 102, percentile 89)

2019:

? Computer Science Applications (Q1, rank 60, percentile 90)

? Cognitive Neuroscience (Q1, rank 10, percentile 90)

? Computer Vision and Pattern Recognition (Q1, rank 12, percentile 86)

? Source Id: 19400158515

? Author Ids: 56580248800;35612596100;7006338311;56543455500;6603344433;23090052400

? Authoraffiliationids: 60025153;60025153;60025153;60102151;60102151;60102151

? Corresponding: Ragusa E.

34.

? Title: A survey on deep learning in image polarity detection: Balancing generalization performances and computational costs

? Venue: Electronics Switzerland

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 30

? DOI: 10.3390/electronics8070783

? Scopus ID: 2-s2.0-85071026354

? eISSN: 20799292

? Volume: 8

? Issue: 7

? Authors: Ragusa Edoardo; Cambria Erik; Zunino Rodolfo; Gastaldo Paolo

? Keywords: Computing resources | Convolutional neural networks | Deep learning | Image polarity detection | Transfer learning

? Quartile:

2025:

? Signal Processing (Q1, rank 36, percentile 81)

? Electrical and Electronic Engineering (Q1, rank 220, percentile 78)

? Control and Systems Engineering (Q1, rank 91, percentile 76)

? Computer Networks and Communications (Q1, rank 131, percentile 76)

? Hardware and Architecture (Q2, rank 62, percentile 73)

2019:

? Electrical and Electronic Engineering (Q3, rank 376, percentile 43)

? Computer Networks and Communications (Q3, rank 173, percentile 43)

? Control and Systems Engineering (Q3, rank 142, percentile 41)

? Signal Processing (Q3, rank 64, percentile 38)

? Hardware and Architecture (Q3, rank 109, percentile 30)

? Source Id: 21100829272

? Author Ids: 56580248800;56140547500;7006338311;35612596100

? Authoraffiliationids: 60025153;60078616;60025153;60025153

? Corresponding: Ragusa E.

35.

? Title: The Applicability of a SIEM Solution: Requirements and Evaluation

? Venue: Proceedings 2019 IEEE 28th International Conference on Enabling Technologies

Infrastructure for Collaborative Enterprises Wetice 2019

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 21

? Doi: 10.1109/Wetice.2019.00036

? Scopus ID: 2-s2.0-85071682002

? Pages: 132-137

? Authors: Mokalled Hassan; Catelli Rosario; Casola Valentina; Debertol Daniele; Meda Ermete; Zunino Rodolfo

? Keywords: cybersecurity | evaluation | requirements | Security Information and Event Management | Security Operation Centre | SIEM | SOC

? Source Id: 21100927191

? Author Ids: 57197732278;57210848004;6506461115;8433449900;36658082700;7006338311

? Authoraffiliationids:

60025153-123049224;123049224-60017293;60017293;123049224;123049224;60025153

? Corresponding: Mokalled H.

36.

? Title: Learning with Similarity Functions: a Tensor-Based Framework

? Venue: Cognitive Computation

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 12

? DOI: 10.1007/s12559-018-9590-9

? Scopus ID: 2-s2.0-85053384656

? Issn: 18669956

? eISSN: 18669964

? Volume: 11

? Pages: 31-49

? Authors: Ragusa Edoardo; Gastaldo Paolo; Zunino Rodolfo; Cambria Erik

? Keywords: Intelligent embedded systems | Similarity functions | Tensor data | Tensor-based learning

? Quartile:

2025:

? Cognitive Neuroscience (Q1, rank 7, percentile 94)

? Computer Vision and Pattern Recognition (Q1, rank 16, percentile 90)

? Computer Science Applications (Q1, rank 102, percentile 89)

2019:

- ? Computer Science Applications (Q1, rank 60, percentile 90)
 - ? Cognitive Neuroscience (Q1, rank 10, percentile 90)
 - ? Computer Vision and Pattern Recognition (Q1, rank 12, percentile 86)
 - ? Source Id: 19400158515
 - ? Author Ids: 56580248800;35612596100;7006338311;56140547500
 - ? Authoraffiliationids: 60025153;60025153;60025153;60078616
 - ? Corresponding: Ragusa E.
- 37.
- ? Title: A comprehensive framework for the security risk management of cyber-physical systems
 - ? Venue: Advanced Sciences and Technologies for Security Applications
 - ? Year: 2019
 - ? Type: Book Series
 - ? Subtype: Book Chapter
 - ? Citations: 12
 - ? Doi: 10.1007/978-3-319-95597-1_3
 - ? Scopus ID: 2-s2.0-85071662642
 - ? Issn: 16135113
 - ? eISSN: 23639466
 - ? Pages: 49-68
 - ? Authors: Mokalled Hassan; Pragliola Concetta; Debertol Daniele; Meda Ermete; Zunino Rodolfo
 - ? Keywords: Ansaldo STS | Cyber-physical system | Cybersecurity | Risk management
 - ? Quartile:
 - 2025:
 - ? Political Science and International Relations (Q3, rank 401, percentile 46)
 - ? Safety, Risk, Reliability and Quality (Q3, rank 166, percentile 35)
 - ? Computer Networks and Communications (Q3, rank 401, percentile 26)
 - ? Safety Research (Q3, rank 82, percentile 25)
 - ? Computer Science Applications (Q4, rank 772, percentile 21)
 - ? Health, Toxicology and Mutagenesis (Q4, rank 124, percentile 14)
 - 2019:
 - ? Political Science and International Relations (Q3, rank 380, percentile 28)
 - ? Safety Research (Q4, rank 63, percentile 20)
 - ? Safety, Risk, Reliability and Quality (Q4, rank 133, percentile 18)
 - ? Health, Toxicology and Mutagenesis (Q4, rank 113, percentile 12)
 - ? Computer Science Applications (Q4, rank 579, percentile 9)
 - ? Computer Networks and Communications (Q4, rank 283, percentile 7)
 - ? Source Id: 21100937105
 - ? Author Ids: 57197732278;25931091700;8433449900;36658082700;7006338311
 - ? Authoraffiliationids: 60073836-60025153-60068774;60073836;60073836;60073836;60025153
 - ? Corresponding: Mokalled H.
- 38.
- ? Title: A digital implementation of extreme learning machines for resource-constrained devices
 - ? Venue: IEEE Transactions on Circuits and Systems II Express Briefs
 - ? Year: 2018
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 26
 - ? Doi: 10.1109/Tcsii.2018.2806085
 - ? Scopus ID: 2-s2.0-85042122677
 - ? Issn: 15497747
 - ? eISSN: 15583791

? Volume: 65
? Issue: 8
? Pages: 1104-1108
? Authors: Ragusa Edoardo; Gianoglio Christian; Gastaldo Paolo; Zunino Rodolfo
? Keywords: CPLD | digital architectures | extreme learning machine | FPGA | Neural networks | threshold function
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 97, percentile 90)
2018:
? Electrical and Electronic Engineering (Q1, rank 137, percentile 79)
? Source Id: 9500153930
? Author Ids: 56580248800;56580140000;35612596100;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Ragusa E.

39.

? Title: Bayesian network based extreme learning machine for subjectivity detection
? Venue: Journal of the Franklin Institute
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 149
? DOI: 10.1016/j.jfranklin.2017.06.007
? Scopus ID: 2-s2.0-85024868159
? Issn: 00160032
? Volume: 355
? Issue: 4
? Pages: 1780-1797
? Authors: Chaturvedi Iti; Ragusa Edoardo; Gastaldo Paolo; Zunino Rodolfo; Cambria Erik
? Quartile:
2025:
? Applied Mathematics (Q1, rank 59, percentile 91)
? Signal Processing (Q1, rank 39, percentile 80)
? Computer Networks and Communications (Q1, rank 134, percentile 75)
? Control and Systems Engineering (Q1, rank 94, percentile 75)
2018:
? Applied Mathematics (Q1, rank 22, percentile 95)
? Control and Systems Engineering (Q1, rank 35, percentile 85)
? Computer Networks and Communications (Q1, rank 45, percentile 84)
? Signal Processing (Q1, rank 18, percentile 82)
? Source Id: 27959
? Author Ids: 12646151300;56580248800;35612596100;7006338311;56140547500
? Authoraffiliationids: 60078616;60025153;60025153;60025153;60078616
? Corresponding: Chaturvedi I.

40.

? Title: Learning with similarity functions: A novel design for the extreme learning machine
? Venue: Neurocomputing
? Year: 2017
? Type: Journal
? Subtype: Article
? Citations: 14
? DOI: 10.1016/j.neucom.2016.05.116
? Scopus ID: 2-s2.0-85014115331

? Issn: 09252312
? eISSN: 18728286
? Volume: 261
? Pages: 37-49
? Authors: Gastaldo P.; Bisio F.; Gianoglio C.; Ragusa E.; Zunino R.
? Keywords: Extreme learning machine | Similarity functions | Single-layer feedforward neural networks
? Quartile:
2025:
? Cognitive Neuroscience (Q1, rank 10, percentile 92)
? Computer Science Applications (Q1, rank 124, percentile 87)
? Artificial Intelligence (Q1, rank 85, percentile 82)
2017:
? Computer Science Applications (Q1, rank 62, percentile 89)
? Artificial Intelligence (Q1, rank 22, percentile 88)
? Cognitive Neuroscience (Q1, rank 21, percentile 77)
? Source Id: 24807
? Author Ids: 35612596100;55547779800;56580140000;56580248800;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Gastaldo P.

41.

? Title: Spam detection of Twitter traffic: A framework based on random forests and non-uniform feature sampling
? Venue: Proceedings of the 2016 IEEE ACM International Conference on Advances in Social Networks Analysis and Mining Asonam 2016
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 18
? Doi: 10.1109/Asonam.2016.7752331
? Scopus ID: 2-s2.0-85006742027
? Pages: 811-817
? Authors: Meda Claudia; Ragusa Edoardo; Gianoglio Christian; Zunino Rodolfo; Ottaviano Augusto; Scillia Eugenio; Surlinelli Roberto
? Keywords: Automated Tools | Cyber Security | Social Network Analysis | Spam detection
? Source Id: 21100789853
? Author Ids:
56685186400;56580248800;56580140000;7006338311;56022476000;56023174500;36702235700
? Authoraffiliationids:
60025153;60025153;60025153;60025153;116509853;116509853;116509853
? Corresponding: Meda C.

42.

? Title: SIM-ELM: Connecting the ELM model with similarity-function learning
? Venue: Neural Networks
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 11
? DOI: 10.1016/j.neunet.2015.10.011
? Scopus ID: 2-s2.0-84947976021
? Issn: 08936080
? eISSN: 18792782
? Volume: 74
? Pages: 22-34

? Authors: Gastaldo Paolo; Bisio Federica; Decherchi Sergio; Zunino Rodolfo
? Keywords: Extreme learning machine | Randomization in learning | Similarity functions
| Supervised learning
? Quartile:
2025:
? Cognitive Neuroscience (Q1, rank 11, percentile 91)
? Artificial Intelligence (Q1, rank 88, percentile 82)
2016:
? Artificial Intelligence (Q1, rank 12, percentile 92)
? Cognitive Neuroscience (Q1, rank 7, percentile 92)
? Source Id: 24804
? Author Ids: 35612596100;55547779800;23090052400;7006338311
? Authoraffiliationids: 60025153;60025153;60102151;60025153
? Corresponding: Gastaldo P.

43.

? Title: A piezoelectric power supplier for autonomous underwater sensors
? Venue: Energy Harvesting Technology Methods and Applications
? Year: 2016
? Type: Book
? Subtype: Book Chapter
? Citations: 0
? Scopus ID: 2-s2.0-85061696773
? Pages: 129-146
? Authors: Perelli Andrea; Zunino Rodolfo; Rossi Fabio; Agata Viscusi
? Keywords: Energy harvesting | Piezoelectricity | Underwater | Von-Karman Vortex
? Source Id: 21100898830
? Author Ids: 55902582900;7006338311;57199786105;57206476370
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Perelli A.

44.

? Title: Sentiment-oriented information retrieval: Affective analysis of documents
based on the SenticNet framework
? Venue: Studies in Computational Intelligence
? Year: 2016
? Type: Book Series
? Subtype: Book Chapter
? Citations: 5
? Doi: 10.1007/978-3-319-30319-2_8
? Scopus ID: 2-s2.0-84961621910
? Issn: 1860949x
? Volume: 639
? Pages: 175-197
? Authors: Bisio Federica; Meda Claudia; Gastaldo Paolo; Zunino Rodolfo; Cambria Erik
? Keywords: Senticnet | Sentiment analysis | SLAIR | Text mining
? Quartile:
2025:
? Artificial Intelligence (Q3, rank 308, percentile 37)
2016:
? Artificial Intelligence (Q3, rank 112, percentile 30)
? Source Id: 4900152708
? Author Ids: 55547779800;56685186400;35612596100;7006338311;56140547500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60005510
? Corresponding: Bisio F.

45.

? Title: Machine learning-based system for detecting unseen malicious software
? Venue: Lecture Notes in Electrical Engineering
? Year: 2016
? Type: Book Series
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1007/978-3-319-20227-3_2
? Scopus ID: 2-s2.0-84950238078
? Issn: 18761100
? eISSN: 18761119
? Volume: 351
? Pages: 9-15
? Authors: Bisio Federica; Gastaldo Paolo; Meda Claudia; Nasta Stefano; Zunino Rodolfo
? Keywords: Machine learning | Malware detection | Support vector machine
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
2016:
? Industrial and Manufacturing Engineering (Q3, rank 211, percentile 30)
? Source Id: 19700186822
? Author Ids: 55547779800;35612596100;56685186400;57008038500;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Bisio F.

46.

? Title: Inductive bias for semi-supervised extreme learning machine
? Venue: Neurocomputing
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 9
? DOI: 10.1016/j.neucom.2015.04.104
? Scopus ID: 2-s2.0-84940062177
? Issn: 09252312
? eISSN: 18728286
? Volume: 174
? Pages: 154-167
? Authors: Bisio Federica; Decherchi Sergio; Gastaldo Paolo; Zunino Rodolfo
? Keywords: Extreme learning machine | Inductive bias | Semi-supervised learning
? Quartile:
2025:
? Cognitive Neuroscience (Q1, rank 10, percentile 92)
? Computer Science Applications (Q1, rank 124, percentile 87)
? Artificial Intelligence (Q1, rank 85, percentile 82)
2016:
? Computer Science Applications (Q1, rank 86, percentile 83)
? Artificial Intelligence (Q2, rank 47, percentile 70)
? Cognitive Neuroscience (Q2, rank 36, percentile 59)
? Source Id: 24807
? Author Ids: 55547779800;23090052400;35612596100;7006338311
? Authoraffiliationids: 60025153;60102151;60025153;60025153
? Corresponding: Bisio F.

47.

? Title: A learning scheme based on similarity functions for affective common-sense reasoning

? Venue: Proceedings of the International Joint Conference on Neural Networks
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1109/Ijcn.2015.7280633
? Scopus ID: 2-s2.0-84951000029
? Volume: 2015-September
? Authors: Bisio Federica; Gastaldo Paolo; Zunino Rodolfo; Cambria Erik
? Keywords: Silicon
? Source Id: 96537
? Author Ids: 55547779800;35612596100;7006338311;56140547500
? Authoraffiliationids: 60025153;60025153;60025153;60078616
? Corresponding: Bisio F.

48.

? Title: Hardware Architectures for Vector Quantization in Very Low Bit-Rate Image Coding
? Venue: International Workshop on Hdtv 1996
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.5594/M001253
? Scopus ID: 2-s2.0-85022343832
? Pages: 198-202
? Authors: Ancona Fabio; Rovetta Stefano; Zunino Rodolfo
? Source Id: 21100822807
? Author Ids: 57195557700;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ancona F.

49.

? Title: Multibest: Multiple Vector Interpolation for Vector-Quantization Based Image Compression
? Venue: International Workshop on Hdtv 1996
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.5594/M001257
? Scopus ID: 2-s2.0-85022335003
? Pages: 231-241
? Authors: Ancona F.; Passaggio F.; Rovetta S.; Zunino R.
? Source Id: 21100822807
? Author Ids: 57195557700;7801418745;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Ancona F.

50.

? Title: Analog Implementation of Vector Quantization
? Venue: International Workshop on Hdtv 1996
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.5594/M001240

? Scopus ID: 2-s2.0-85022332675
? Pages: 97-105
? Authors: Ancona Fabio; Rovetta Stefano; Zunino Rodolfo
? Source Id: 21100822807
? Author Ids: 57195557700;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ancona F.

51.

? Title: Hardware Architectures for Vector Quantization in Very Low Bit-Rate Image Coding
? Venue: International Workshop on Hdtv 1996
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.5594/M001241
? Scopus ID: 2-s2.0-84892175716
? Pages: 106-116
? Authors: Ancona Fabio; Rovetta Stefano; Zunino Rodolfo
? Source Id: 21100822807
? Author Ids: 57195557700;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ancona F.

52.

? Title: Real-time monitoring of Twitter traffic by using semantic networks
? Venue: Proceedings of the 2015 IEEE ACM International Conference on Advances in Social Networks Analysis and Mining Asonam 2015
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1145/2808797.2809371
? Scopus ID: 2-s2.0-84962598346
? Pages: 966-969
? Authors: Bisio Federica; Meda Claudia; Zunino Rodolfo; Surlinelli Roberto; Scillia Eugenio; Ottaviano Augusto
? Keywords: Semantic network | Social Network analysis | Text mining
? Source Id: 21100455410
? Author Ids: 55547779800;56685186400;7006338311;36702235700;56023174500;56022476000
? Authoraffiliationids: 60025153;60025153;60025153;116509853;116509853;116509853
? Corresponding: Bisio F.

53.

? Title: An ELM-based model for affective analogical reasoning
? Venue: Neurocomputing
? Year: 2015
? Type: Journal
? Subtype: Article
? Citations: 88
? DOI: 10.1016/j.neucom.2014.01.064
? Scopus ID: 2-s2.0-84969228568
? Issn: 09252312
? eISSN: 18728286
? Volume: 149
? Issue: Part A

? Pages: 443-455
? Authors: Cambria Erik; Gastaldo Paolo; Bisio Federica; Zunino Rodolfo
? Keywords: Analogical reasoning | Artificial intelligence | Extreme learning machine | Natural language processing | Opinion mining
? Quartile:
2025:
? Cognitive Neuroscience (Q1, rank 10, percentile 92)
? Computer Science Applications (Q1, rank 124, percentile 87)
? Artificial Intelligence (Q1, rank 85, percentile 82)
2015:
? Computer Science Applications (Q1, rank 96, percentile 81)
? Artificial Intelligence (Q2, rank 51, percentile 66)
? Cognitive Neuroscience (Q2, rank 39, percentile 52)
? Source Id: 24807
? Author Ids: 56140547500;35612596100;55547779800;7006338311
? Authoraffiliationids: 60078616;60025153;60025153;60025153
? Corresponding: Cambria E.

54.

? Title: Sensor integration in associative visual structures
? Venue: European Signal Processing Conference
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-85113872253
? Issn: 22195491
? Authors: Ancona Fabio; Parodi Giancarlo; Zunino Rodolfo
? Quartile:
2025:
? Signal Processing (Q3, rank 109, percentile 44)
? Electrical and Electronic Engineering (Q3, rank 573, percentile 42)
? Source Id: 21100204301
? Author Ids: 57195557700;7006518995;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ancona F.

55.

? Title: A tensor-based approach to touch modality classification by using machine learning
? Venue: Robotics and Autonomous Systems
? Year: 2015
? Type: Journal
? Subtype: Article
? Citations: 48
? DOI: 10.1016/j.robot.2014.09.022
? Scopus ID: 2-s2.0-84919492826
? Issn: 09218890
? Volume: 63
? Issue: P3
? Pages: 268-278
? Authors: Gastaldo P.; Pinna L.; Seminara L.; Valle M.; Zunino R.
? Keywords: Array signal processing | Kernel machines | Machine learning | PVDF tactile sensors | Touch modality
? Quartile:
2025:

? Mathematics (all) (Q1, rank 6, percentile 98)
? Control and Systems Engineering (Q1, rank 46, percentile 88)
? Software (Q1, rank 71, percentile 85)
? Computer Science Applications (Q1, rank 143, percentile 85)
2015:
? Mathematics (all) (Q1, rank 10, percentile 97)
? Control and Systems Engineering (Q1, rank 30, percentile 86)
? Computer Science Applications (Q1, rank 71, percentile 86)
? Software (Q1, rank 71, percentile 81)
? Source Id: 18079
? Author Ids: 35612596100;35932431800;19338029900;57197744325;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Gastaldo P.

56.

? Title: A machine learning approach for Twitter spammers detection
? Venue: Proceedings International Carnahan Conference on Security Technology
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 25
? Doi: 10.1109/Ccst.2014.6987029
? Scopus ID: 2-s2.0-84931062795
? Issn: 10716572
? Volume: 2014-October
? Issue: October
? Authors: Meda Claudia; Bisio Federica; Gastaldo Paolo; Zunino Rodolfo
? Keywords: Machine Learning | Social Network Security | Twitter Spam Detection
? Quartile:
2025:
? Law (Q1, rank 183, percentile 83)
? Electrical and Electronic Engineering (Q2, rank 442, percentile 55)
? Source Id: 145377
? Author Ids: 56685186400;55547779800;35612596100;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Meda C.

57.

? Title: Computational intelligence techniques for tactile sensing systems
? Venue: Sensors Switzerland
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 31
? DOI: 10.3390/s140610952
? Scopus ID: 2-s2.0-84902988710
? Issn: 14248220
? Volume: 14
? Issue: 6
? Pages: 10952-10976
? Authors: Gastaldo Paolo; Pinna Luigi; Seminara Lucia; Valle Maurizio; Zunino Rodolfo
? Keywords: Computational intelligence | Electronic skin | Human-robot interaction | Pattern recognition | Touch modalities
? Quartile:
2025:
? Instrumentation (Q1, rank 19, percentile 90)

? Electrical and Electronic Engineering (Q1, rank 136, percentile 86)
? Atomic and Molecular Physics, and Optics (Q1, rank 36, percentile 85)
? Biochemistry (Q1, rank 72, percentile 84)
? Information Systems (Q1, rank 87, percentile 82)
? Analytical Chemistry (Q1, rank 30, percentile 82)

2014:

? Electrical and Electronic Engineering (Q1, rank 103, percentile 84)
? Atomic and Molecular Physics, and Optics (Q1, rank 28, percentile 82)
? Analytical Chemistry (Q2, rank 35, percentile 64)
? Biochemistry (Q2, rank 176, percentile 53)

? Source Id: 130124

? Author Ids: 35612596100;35932431800;19338029900;57197744325;7006338311

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153

? Corresponding: Gastaldo P.

58.

? Title: A high-linearity design for rail-to-rail fully differential current conveyors

? Venue: 2014 21st IEEE International Conference on Electronics Circuits and Systems
Icecs 2014

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Doi: 10.1109/Icecs.2014.7050044

? Scopus ID: 2-s2.0-84925436747

? Pages: 550-553

? Authors: Caviglia S.; Gastaldo P.; Zunino R.; Caviglia D. D.

? Keywords: complex filters | current-mode circuits | differential voltage current
conveyor

? Source Id: 21101179872

? Author Ids: 56369796600;35612596100;7006338311;7004012654

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Caviglia S.

59.

? Title: Semi-supervised machine learning approach for unknown malicious software
detection

? Venue: Inista 2014 IEEE International Symposium on Innovations in Intelligent Systems
and Applications Proceedings

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 9

? Doi: 10.1109/Inista.2014.6873597

? Scopus ID: 2-s2.0-84906696338

? Pages: 52-59

? Authors: Bisio Federica; Gastaldo Paolo; Zunino Rodolfo; Decherchi Sergio

? Keywords: biased regularization | malware detection | semi-supervised | SVM

? Source Id: 21100332184

? Author Ids: 55547779800;35612596100;7006338311;23090052400

? Authoraffiliationids: 60025153;60025153;60025153;60102151

? Corresponding: Bisio F.

60.

? Title: A tensor-based pattern-recognition framework for the interpretation of touch
modality in artificial skin systems

? Venue: IEEE Sensors Journal

? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 34
? Doi: 10.1109/Jsen.2014.2320820
? Scopus ID: 2-s2.0-84901917081
? Issn: 1530437x
? Volume: 14
? Issue: 7
? Pages: 2216-2225
? Authors: Gastaldo Paolo; Pinna Luigi; Seminara Lucia; Valle Maurizio; Zunino Rodolfo
? Keywords: artificial skin | kernel machines | machine learning | pattern recognition
| Tactile sensors | touch modality interpretation
? Quartile:
2025:
? Instrumentation (Q1, rank 27, percentile 85)
? Electrical and Electronic Engineering (Q1, rank 175, percentile 82)
2014:
? Instrumentation (Q1, rank 13, percentile 87)
? Electrical and Electronic Engineering (Q1, rank 99, percentile 84)
? Source Id: 15047
? Author Ids: 35612596100;35932431800;19338029900;57197744325;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Gastaldo P.

61.
? Title: Extreme learning machines
? Venue: IEEE Intelligent Systems
? Year: 2013
? Type: Journal
? Subtype: Note
? Citations: 324
? Doi: 10.1109/Mis.2013.140
? Scopus ID: 2-s2.0-84919336343
? Issn: 15411672
? Volume: 28
? Issue: 6
? Pages: 30-59
? Authors: Cambria Erik; Huang Guang Bin; Kasun Liyanaarachchi Lekamalage Chamara; Zhou Hongming; Vong Chi Man; Lin Jiarun; Yin Jianping; Cai Zhiping; Liu Qiang; Li Kuan; Leung Victor C.M.; Feng Liang; Ong Yew Soon; Lim Meng Hiot; Akusok Anton; Lendasse Amaury; Corona Francesco; Nian Rui; Miche Yoan; Gastaldo Paolo; Zunino Rodolfo; Decherchi Sergio; Yang Xuefeng; Mao Kezhi; Oh Beom Seok; Jeon Jehyoung; Toh Kar Ann; Teoh Andrew Beng Jin; Kim Jaihie; Yu Hanchao; Chen Yiqiang; Liu Junfa
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 46, percentile 91)
? Artificial Intelligence (Q1, rank 62, percentile 87)
2013:
? Computer Networks and Communications (Q1, rank 37, percentile 82)
? Artificial Intelligence (Q1, rank 37, percentile 75)
? Source Id: 110111
? Author Ids: 56140547500;7403425167;49861636200;55716788800;6507859587;52663842300;35316676700;57072282500;57001286200;55431017700;7102336029;59584359700;7006735298;7201473152;55545946000;6602644355;23392086100;8544855500;15063034600;35612596100;7006338311;230

90052400;56194089500;7006403609;34977256000;55647336600;7103138852;9733887900;8859952200;49362643700;35408792800;55983700400

? Authoraffiliationids: 60002243;60005510;60005510;60005510;60022317;60024350;60024350;60024350;60024350;60024350;60010365;60078616;60078616;60005510;60103653;60103653-60027856;60103653;60022422;60103653;60025153;60025153;60102151;60005510;60005510;60016912;60016912;60016912;60016912;60019499;60019499;60019499

? Corresponding: Cambria E.

62.

? Title: Design and performance analysis of the mechanical structure of a piezoelectric generator by von Karman vortexes for underwater energy harvesting

? Venue: Oceans 2013 Mts IEEE Bergen the Challenges of the Northern Dimension

? Year: 2013

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? DOI: 10.1109/OCEANS-Bergen.2013.6608169

? Scopus ID: 2-s2.0-84886380614

? Authors: Perelli A.; Leoncini D. A.; Sandroni G.; Faggioni O.; Zunino R.; Soldani M.

? Keywords: energy harvesting | fluid dynamics | piezoelectricity | Von-Karman Vortex

? Source Id: 21100264282

? Author Ids: 55902582900;23473869300;55902461600;6602181469;7006338311;17136096200

? Authoraffiliationids: 113952024;60025153;60025153;60025153;60025153;60007111

? Corresponding: Perelli A.

63.

? Title: Circular-ELM for the reduced-reference assessment of perceived image quality

? Venue: Neurocomputing

? Year: 2013

? Type: Journal

? Subtype: Article

? Citations: 69

? DOI: 10.1016/j.neucom.2011.12.050

? Scopus ID: 2-s2.0-84870245922

? Issn: 09252312

? eISSN: 18728286

? Volume: 102

? Pages: 78-89

? Authors: Decherchi Sergio; Gastaldo Paolo; Zunino Rodolfo; Cambria Erik; Redi Judith

? Keywords: Circular backpropagation | Extreme learning machine | Image quality assessment

? Quartile:

2025:

? Cognitive Neuroscience (Q1, rank 10, percentile 92)

? Computer Science Applications (Q1, rank 124, percentile 87)

? Artificial Intelligence (Q1, rank 85, percentile 82)

2013:

? Computer Science Applications (Q1, rank 105, percentile 78)

? Artificial Intelligence (Q2, rank 54, percentile 63)

? Cognitive Neuroscience (Q2, rank 37, percentile 51)

? Source Id: 24807

? Author Ids: 23090052400;35612596100;7006338311;56140547500;23398318700

? Authoraffiliationids: 60102151;60025153;60025153;60017161;60006288

? Corresponding: Decherchi S.

64.

? Title: Supporting visual quality assessment with machine learning

? Venue: Eurasip Journal on Image and Video Processing
? Year: 2013
? Type: Journal
? Subtype: Article
? Citations: 45
? Doi: 10.1186/1687-5281-2013-54
? Scopus ID: 2-s2.0-84911890032
? Issn: 16875176
? eISSN: 16875281
? Volume: 2013
? Issue: 1
? Authors: Gastaldo Paolo; Zunino Rodolfo; Redi Judith
? Quartile:
2025:
? Signal Processing (Q2, rank 69, percentile 64)
? Electrical and Electronic Engineering (Q2, rank 358, percentile 64)
? Information Systems (Q2, rank 191, percentile 61)
2013:
? Electrical and Electronic Engineering (Q2, rank 243, percentile 61)
? Information Systems (Q2, rank 108, percentile 51)
? Signal Processing (Q2, rank 38, percentile 50)
? Source Id: 5200152707
? Author Ids: 35612596100;7006338311;23398318700
? Authoraffiliationids: 60025153;60025153;60006288
? Corresponding: Gastaldo P.

65.

? Title: Combining ELMs with random projections
? Venue: IEEE Intelligent Systems
? Year: 2013
? Type: Journal
? Subtype: Article
? Citations: 32
? Scopus ID: 2-s2.0-84906949151
? Issn: 15411672
? Volume: 28
? Issue: 6
? Pages: 46-48
? Authors: Gastaldo Paolo; Zunino Rodolfo; Cambria Erik; Decherchi Sergio
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 46, percentile 91)
? Artificial Intelligence (Q1, rank 62, percentile 87)
2013:
? Computer Networks and Communications (Q1, rank 37, percentile 82)
? Artificial Intelligence (Q1, rank 37, percentile 75)
? Source Id: 110111
? Author Ids: 35612596100;7006338311;56140547500;23090052400
? Authoraffiliationids: 60025153;60025153;60002243;60102151
? Corresponding: Gastaldo P.

66.

? Title: Embedded implementation of Edwards curve- and extended Jacobi quartic curve-based cryptosystems
? Venue: 2013 8th International Conference for Internet Technology and Secured Transactions Icitst 2013

? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/icitst.2013.6750229
? Scopus ID: 2-s2.0-84896621825
? Pages: 394-400
? Authors: Peretti Chiara; Gastaldo Paolo; Stramezzi Marco; Zunino Rodolfo
? Source Id: 21100298637
? Author Ids: 54414790200;35612596100;56078144900;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Peretti C.

67.

? Title: Data intensive review mining for sentiment classification across heterogeneous domains
? Venue: Proceedings of the 2013 IEEE ACM International Conference on Advances in Social Networks Analysis and Mining Asonam 2013
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 15
? Doi: 10.1145/2492517.2500280
? Scopus ID: 2-s2.0-84893315838
? Pages: 1061-1067
? Authors: Bisio Federica; Gastaldo Paolo; Peretti Chiara; Zunino Rodolfo; Cambria Erik
? Keywords: Cross-domain sentiment classification | Sentiment analysis
? Source Id: 21100285447
? Author Ids: 55547779800;35612596100;54414790200;7006338311;56140547500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60017161
? Corresponding: Bisio F.

68.

? Title: An analyst-adaptive approach to focused Crawlers
? Venue: Proceedings of the 2013 IEEE ACM International Conference on Advances in Social Networks Analysis and Mining Asonam 2013
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1145/2492517.2500328
? Scopus ID: 2-s2.0-84893255438
? Pages: 1073-1077
? Authors: Zunino Rodolfo; Bisio Federica; Peretti Chiara; Surlinelli Roberto; Scillia Eugenio; Ottaviano Augusto; Sangiacomo Fabio
? Keywords: Analyst-adaptation | Focused Crawler | OSINT
? Source Id: 21100285447
? Author Ids:
7006338311;55547779800;54414790200;36702235700;56023174500;56022476000;36683078600
? Authoraffiliationids:
60025153;60025153;60025153;114176378;114176378;114176378;114176699
? Corresponding: Zunino R.

69.

? Title: Efficient digital implementation of extreme learning machines for classification
? Venue: IEEE Transactions on Circuits and Systems II Express Briefs

- ? Year: 2012
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 85
 - ? Doi: 10.1109/Tcsii.2012.2204112
 - ? Scopus ID: 2-s2.0-84865355028
 - ? Issn: 15497747
 - ? eISSN: 15583791
 - ? Volume: 59
 - ? Issue: 8
 - ? Pages: 496-500
 - ? Authors: Decherchi Sergio; Gastaldo Paolo; Leoncini Alessio; Zunino Rodolfo
 - ? Keywords: Complex programmable logic device (CPLD) | extreme learning machine (ELM) | field-programmable gate array (FPGA) | hardware (HW) neural networks (NNs)
 - ? Quartile:
 - 2025:
 - ? Electrical and Electronic Engineering (Q1, rank 97, percentile 90)
 - ? Source Id: 9500153930
 - ? Author Ids: 23090052400;35612596100;36682628400;7006338311
 - ? Authoraffiliationids: 60102151;60025153;60025153;60025153
 - ? Corresponding: Decherchi S.
- 70.
- ? Title: Semantic models for style-based text clustering
 - ? Venue: Proceedings 5th IEEE International Conference on Semantic Computing ICSC 2011
 - ? Year: 2011
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 4
 - ? Doi: 10.1109/Icsc.2011.24
 - ? Scopus ID: 2-s2.0-81255156387
 - ? Pages: 75-82
 - ? Authors: Leoncini Alessio; Sangiacomo Fabio; Peretti Chiara; Argentesi Sonia; Zunino Rodolfo; Cambria Erik
 - ? Keywords: Kernel K-Means | Multilingual document clustering | Semantic text clustering | Text mining | WordNet
 - ? Source Id: 20500195091
 - ? Author Ids: 36682628400;36683078600;54414790200;54392479600;7006338311;56140547500
 - ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025200
 - ? Corresponding: Leoncini A.
- 71.
- ? Title: Computational intelligence methods for underwater magnetic-based protection systems
 - ? Venue: Proceedings of the International Joint Conference on Neural Networks
 - ? Year: 2011
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 1
 - ? Doi: 10.1109/Ijcn.2011.6033227
 - ? Scopus ID: 2-s2.0-80054765918
 - ? Pages: 238-245
 - ? Authors: Decherchi Sergio; Leoncini Davide; Gastaldo Paolo; Zunino Rodolfo; Faggioni Osvaldo; Soldani Maurizio
 - ? Source Id: 96537
 - ? Author Ids: 23090052400;23473869300;35612596100;7006338311;6602181469;17136096200

? Authoraffiliationids: 60102151;60025153;60025153;60025153;60000243;60000243
? Corresponding: Decherchi S.

72.

? Title: Semantic oriented clustering of documents
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2011
? Type: Book Series
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1007/978-3-642-21111-9_59
? Scopus ID: 2-s2.0-79957789137
? Issn: 03029743
? eISSN: 16113349
? Volume: 6677 Lncs
? Issue: Part 3
? Pages: 523-529
? Authors: Leoncini Alessio; Sangiacomo Fabio; Decherchi Sergio; Gastaldo Paolo; Zunino Rodolfo
? Keywords: Clustering | EuroWordNet | Semantic Orientation
? Quartile:
2025:
? Theoretical Computer Science (Q3, rank 70, percentile 48)
? Computer Science (all) (Q3, rank 129, percentile 46)
2011:
? Computer Science (all) (Q2, rank 79, percentile 55)
? Theoretical Computer Science (Q3, rank 85, percentile 26)
? Source Id: 25674
? Author Ids: 36682628400;36683078600;23090052400;35612596100;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Leoncini A.

73.

? Title: Tactile-data classification of contact materials using computational intelligence
? Venue: IEEE Transactions on Robotics
? Year: 2011
? Type: Journal
? Subtype: Article
? Citations: 94
? Doi: 10.1109/Tro.2011.2130030
? Scopus ID: 2-s2.0-79958766030
? Issn: 15523098
? Volume: 27
? Issue: 3
? Pages: 635-639
? Authors: Decherchi Sergio; Gastaldo Paolo; Dahiya Ravinder S.; Valle Maurizio; Zunino Rodolfo
? Keywords: Computational intelligence (CI) | machine learning | material classification | tactile sensing | tactile-data processing
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 26, percentile 97)
? Computer Science Applications (Q1, rank 30, percentile 96)
? Control and Systems Engineering (Q1, rank 12, percentile 96)

2011:

? Control and Systems Engineering (Q1, rank 3, percentile 98)

? Computer Science Applications (Q1, rank 8, percentile 98)

? Electrical and Electronic Engineering (Q1, rank 14, percentile 97)

? Source Id: 95101

? Author Ids: 23090052400;35612596100;24331529200;57197744325;7006338311

? Authoraffiliationids: 60025153;60025153;60083112;60025153;60025153

? Corresponding: Decherchi S.

74.

? Title: Interactions of visual attention and quality perception

? Venue: Proceedings of SPIE the International Society for Optical Engineering

? Year: 2011

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 48

? Doi: 10.1117/12.876712

? Scopus ID: 2-s2.0-79953705114

? Issn: 0277786x

? Volume: 7865

? Authors: Redi Judith; Liu Hantao; Zunino Rodolfo; Heynderickx Ingrid

? Keywords: eye-tracking | image quality assessment | scene saliency | subjective quality evaluation | Visual attention

? Quartile:

2025:

? Instrumentation (Q4, rank 157, percentile 16)

? Electrical and Electronic Engineering (Q4, rank 873, percentile 12)

? Computer Science Applications (Q4, rank 893, percentile 9)

? Applied Mathematics (Q4, rank 625, percentile 6)

? Electronic, Optical and Magnetic Materials (Q4, rank 294, percentile 5)

? Condensed Matter Physics (Q4, rank 425, percentile 4)

2011:

? Electrical and Electronic Engineering (Q3, rank 360, percentile 38)

? Condensed Matter Physics (Q3, rank 273, percentile 28)

? Applied Mathematics (Q3, rank 278, percentile 27)

? Electronic, Optical and Magnetic Materials (Q3, rank 134, percentile 27)

? Computer Science Applications (Q4, rank 342, percentile 24)

? Source Id: 40067

? Author Ids: 23398318700;55581726800;7006338311;6701861864

? Authoraffiliationids: 60006288;60006288;60025153;60006288-60016561

? Corresponding: Redi J.

75.

? Title: Operative assessment of predicted generalization errors on non-stationary distributions in data-intensive applications

? Venue: Intelligent Data Analysis

? Year: 2011

? Type: Journal

? Subtype: Article

? Citations: 0

? Doi: 10.3233/Ida-2010-0463

? Scopus ID: 2-s2.0-79953299698

? Issn: 1088467x

? eISSN: 15714128

? Volume: 15

? Issue: 2

? Pages: 193-214
? Authors: Decherchi Sergio; Gastaldo Paolo; Sangiacomo Fabio; Leoncini Alessio; Zunino Rodolfo
? Keywords: clustering | data mining | K-Winner machine | non-stationary distribution | Statistical learning theory
? Quartile:
2025:
? Computer Vision and Pattern Recognition (Q3, rank 95, percentile 44)
? Artificial Intelligence (Q3, rank 313, percentile 36)
? Theoretical Computer Science (Q3, rank 92, percentile 32)
2011:
? Computer Vision and Pattern Recognition (Q3, rank 39, percentile 30)
? Artificial Intelligence (Q3, rank 106, percentile 25)
? Theoretical Computer Science (Q4, rank 88, percentile 23)
? Source Id: 11300153726
? Author Ids: 23090052400;35612596100;36683078600;36682628400;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Decherchi S.

76.

? Title: Efficient approximate Regularized Least Squares by Toeplitz matrix
? Venue: Pattern Recognition Letters
? Year: 2011
? Type: Journal
? Subtype: Article
? Citations: 1
? DOI: 10.1016/j.patrec.2010.10.011
? Scopus ID: 2-s2.0-78649332563
? Issn: 01678655
? Volume: 32
? Issue: 3
? Pages: 468-475
? Authors: Decherchi Sergio; Gastaldo Paolo; Zunino Rodolfo
? Keywords: Digital signal processor | Large-scale learning | Levinson-Trench-Zohar algorithm | Regularized Least Squares | Resources limited device | Toeplitz matrix
? Quartile:
2025:
? Signal Processing (Q1, rank 27, percentile 86)
? Computer Vision and Pattern Recognition (Q1, rank 29, percentile 83)
? Software (Q1, rank 112, percentile 77)
? Artificial Intelligence (Q1, rank 124, percentile 75)
2011:
? Signal Processing (Q1, rank 12, percentile 82)
? Computer Vision and Pattern Recognition (Q1, rank 12, percentile 79)
? Software (Q1, rank 81, percentile 77)
? Artificial Intelligence (Q2, rank 41, percentile 71)
? Source Id: 24825
? Author Ids: 23090052400;35612596100;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Decherchi S.

77.

? Title: Hausdorff distance for template detection and efficient implementation on embedded systems
? Venue: IEEE International Symposium on Industrial Electronics
? Year: 2010

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Isie.2010.5637569
? Scopus ID: 2-s2.0-78650368215
? Pages: 1623-1626
? Authors: Petracca Gaetano; Leoncini Alessio; Sangiacomo Fabio; Zunino Rodolfo
? Source Id: 85690
? Author Ids: 36683054300;36682628400;36683078600;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Petracca G.

78.

? Title: SeaLab advanced information retrieval
? Venue: Proceedings 2010 IEEE 4th International Conference on Semantic Computing ICSC 2010
? Year: 2010
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Icsc.2010.48
? Scopus ID: 2-s2.0-79952045913
? Pages: 444-445
? Authors: Sangiacomo Fabio; Leoncini Alessio; Decherchi Sergio; Gastaldo Paolo; Zunino Rodolfo
? Keywords: Hybrid metric | Kernel K-means | Semantic representation | Support vector machines | Text clustering | WordNet
? Source Id: 19700188344
? Author Ids: 36683078600;36682628400;23090052400;35612596100;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Sangiacomo F.

79.

? Title: Color distribution information for the reduced-reference assessment of perceived image quality
? Venue: IEEE Transactions on Circuits and Systems for Video Technology
? Year: 2010
? Type: Journal
? Subtype: Article
? Citations: 60
? Doi: 10.1109/Tcsvt.2010.2087456
? Scopus ID: 2-s2.0-79551593878
? Issn: 10518215
? Volume: 20
? Issue: 12
? Pages: 1757-1769
? Authors: Redi Judith A.; Gastaldo Paolo; Heynderickx Ingrid; Zunino Rodolfo
? Keywords: Computational intelligence | correlogram | image quality assessment
? Quartile:
2025:
? Media Technology (Q1, rank 1, percentile 99)
? Electrical and Electronic Engineering (Q1, rank 31, percentile 96)
? Source Id: 26027
? Author Ids: 23398318700;35612596100;6701861864;7006338311
? Authoraffiliationids: 60006288;60025153;60016561-60006288;60025153
? Corresponding: Redi J.

80.

? Title: No-reference image quality assessment based on localized gradient statistics:
Application to JPEG and JPEG2000
? Venue: Proceedings of SPIE the International Society for Optical Engineering
? Year: 2010
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 10
? Doi: 10.1117/12.838982
? Scopus ID: 2-s2.0-77949467777
? Issn: 0277786x
? Volume: 7527
? Authors: Liu Hantao; Redi Judith; Alers Hani; Zunino Rodolfo; Heynderickx Ingrid
? Keywords: Image quality assessment | JPEG | JPEG2000 | Neural network | Objective
metric
? Quartile:
2025:
? Instrumentation (Q4, rank 157, percentile 16)
? Electrical and Electronic Engineering (Q4, rank 873, percentile 12)
? Computer Science Applications (Q4, rank 893, percentile 9)
? Applied Mathematics (Q4, rank 625, percentile 6)
? Electronic, Optical and Magnetic Materials (Q4, rank 294, percentile 5)
? Condensed Matter Physics (Q4, rank 425, percentile 4)
? Source Id: 40067
? Author Ids: 55581726800;23398318700;35221190800;7006338311;6701861864
? Authoraffiliationids: 60006288;60025153;60006288;60025153;60006288-60016561
? Corresponding: Liu H.

81.

? Title: Using unsupervised analysis to constrain generalization bounds for support
vector classifiers
? Venue: IEEE Transactions on Neural Networks
? Year: 2010
? Type: Journal
? Subtype: Article
? Citations: 20
? Doi: 10.1109/Tnn.2009.2038695
? Scopus ID: 2-s2.0-77649275505
? Issn: 10459227
? Volume: 21
? Issue: 3
? Pages: 424-438
? Authors: Decherchi Sergio; Ridella Sandro; Zunino Rodolfo; Gastaldo Paolo; Anguita
Davide
? Keywords: Maximal discrepancy (MD) | Mixed unsupervised and supervised methods |
Support vector machine (SVM) | Vector quantization (VQ)
? Source Id: 24243
? Author Ids: 23090052400;7006643280;7006338311;35612596100;7004764744
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Decherchi S.

82.

? Title: Comparing subjective image quality measurement methods for the creation of
public databases
? Venue: Proceedings of SPIE the International Society for Optical Engineering
? Year: 2010

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 29
? Doi: 10.1117/12.839195
? Scopus ID: 2-s2.0-77049100324
? Issn: 0277786x
? Volume: 7529
? Authors: Redi Judith; Liu Hantao; Alers Hani; Zunino Rodolfo; Heynderickx Ingrid
? Keywords: Image quality | Psychometrics | Quality ruler | Single stimulus | Subjective quality assessment
? Quartile:
2025:
? Instrumentation (Q4, rank 157, percentile 16)
? Electrical and Electronic Engineering (Q4, rank 873, percentile 12)
? Computer Science Applications (Q4, rank 893, percentile 9)
? Applied Mathematics (Q4, rank 625, percentile 6)
? Electronic, Optical and Magnetic Materials (Q4, rank 294, percentile 5)
? Condensed Matter Physics (Q4, rank 425, percentile 4)
? Source Id: 40067
? Author Ids: 23398318700;55581726800;35221190800;7006338311;6701861864
? Authoraffiliationids: 60025153;60006288;60006288;60025153;60006288-60016561
? Corresponding: Redi J.

83.

? Title: A preliminary study on SVM based analysis of underwater magnetic signals for port protection
? Venue: Advances in Intelligent and Soft Computing
? Year: 2009
? Type: Book Series
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1007/978-3-642-04091-7_5
? Scopus ID: 2-s2.0-84886056794
? Issn: 18675662
? Volume: 63 Aisc
? Pages: 37-44
? Authors: Leoncini Davide; Decherchi Sergio; Faggioni Osvaldo; Gastaldo Paolo; Soldani Maurizio; Zunino Rodolfo
? Keywords: Magnetic signal processing | Port protection | Support Vector Machine | Underwater detection systems
? Source Id: 21100778844
? Author Ids: 23473869300;23090052400;6602181469;35612596100;17136096200;7006338311
? Authoraffiliationids: 60025153;60025153;60000243;60025153;60000243;60025153
? Corresponding: Leoncini D.

84.

? Title: Preface
? Venue: Advances in Intelligent and Soft Computing
? Year: 2009
? Type: Book Series
? Subtype: Editorial
? Citations: 0
? Scopus ID: 2-s2.0-84886039625
? Issn: 18675662
? Volume: 63 Aisc
? Authors: Herrero ^ Ivaro; Gastaldo Paolo; Corchado Emilio; Zunino Rodolfo

? Source Id: 21100778844
? Author Ids: 8892618100;35612596100;6602872701;7006338311
? Corresponding: Herrero A.

85.

? Title: Text clustering for digital forensics analysis
? Venue: Advances in Intelligent and Soft Computing
? Year: 2009
? Type: Book Series
? Subtype: Conference Paper
? Citations: 28
? Doi: 10.1007/978-3-642-04091-7_4
? Scopus ID: 2-s2.0-84857840005
? Issn: 18675662
? Volume: 63 Aisc
? Pages: 29-36
? Authors: Decherchi Sergio; Tacconi Simone; Redi Judith; Leoncini Alessio; Sangiacomo Fabio; Zunino Rodolfo
? Keywords: Digital investigation | Forensics analysis | Text clustering
? Source Id: 21100778844
? Author Ids: 23090052400;15519701000;23398318700;36682628400;36683078600;7006338311
? Authoraffiliationids: 60025153;100930491;60025153;60025153;60025153;60025153
? Corresponding: Decherchi S.

86.

? Title: Hybrid neural systems for reduced-reference image quality assessment
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2009
? Type: Book Series
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1007/978-3-642-04277-5_69
? Scopus ID: 2-s2.0-70450243101
? Issn: 03029743
? eISSN: 16113349
? Volume: 5769 LnCS
? Issue: Part 2
? Pages: 684-693
? Authors: Redi Judith; Gastaldo Paolo; Zunino Rodolfo
? Keywords: Image quality assessment | Neural networks | Svm
? Quartile:
2025:
? Theoretical Computer Science (Q3, rank 70, percentile 48)
? Computer Science (all) (Q3, rank 129, percentile 46)
? Source Id: 25674
? Author Ids: 23398318700;35612596100;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Redi J.

87.

? Title: Circuit implementation of SVM training
? Venue: Proceedings of the International Joint Conference on Neural Networks
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0

? Doi: 10.1109/ljcn.2009.5178613
? Scopus ID: 2-s2.0-70449371500
? Pages: 646-651
? Authors: Decherchi Sergio; Gastaldo Paolo; Parodi Mauro; Zunino Rodolfo
? Source Id: 96537
? Author Ids: 23090052400;35612596100;35508934400;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Decherchi S.

88.

? Title: Maximal-Discrepancy bounds for Regularized Classifiers
? Venue: Proceedings of the International Joint Conference on Neural Networks
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/ljcn.2009.5178614
? Scopus ID: 2-s2.0-70449370294
? Pages: 652-656
? Authors: Decherchi Sergio; Gastaldo Paolo; Redi Judith; Zunino Rodolfo
? Source Id: 96537
? Author Ids: 23090052400;35612596100;23398318700;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Decherchi S.

89.

? Title: Neural projection techniques for the visual inspection of network traffic
? Venue: Neurocomputing
? Year: 2009
? Type: Journal
? Subtype: Article
? Citations: 29
? DOI: 10.1016/j.neucom.2008.12.038
? Scopus ID: 2-s2.0-69249203697
? Issn: 09252312
? Volume: 72
? Issue: 16-18
? Pages: 3649-3658
? Authors: Herrero ^ Ivaro; Corchado Emilio; Gastaldo Paolo; Zunino Rodolfo
? Keywords: Computer network security | Network traffic monitoring | Neural projection models
? Quartile:
2025:
? Cognitive Neuroscience (Q1, rank 10, percentile 92)
? Computer Science Applications (Q1, rank 124, percentile 87)
? Artificial Intelligence (Q1, rank 85, percentile 82)
? Source Id: 24807
? Author Ids: 8892618100;6602872701;35612596100;7006338311
? Authoraffiliationids: 60022866;60022866;60025153;60025153
? Corresponding: Herrero A.

90.

? Title: Hypermetric k-means clustering for content-based document management
? Venue: Advances in Soft Computing
? Year: 2009
? Type: Book Series
? Subtype: Conference Paper

? Citations: 0
? Doi: 10.1007/978-3-540-88181-0_8
? Scopus ID: 2-s2.0-58149117962
? Issn: 16153871
? eISSN: 18600794
? Volume: 53
? Pages: 61-68
? Authors: Decherchi Sergio; Gastaldo Paolo; Redi Judith; Zunino Rodolfo
? Keywords: Document clustering | Homeland security | Kernel k-means
? Source Id: 21100778845
? Author Ids: 23090052400;35612596100;23398318700;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Decherchi S.

91.

? Title: How to apply spatial saliency into objective metrics for JPEG compressed images?
? Venue: Proceedings International Conference on Image Processing Icip
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 17
? Doi: 10.1109/Icip.2009.5414035
? Scopus ID: 2-s2.0-77951950985
? Issn: 15224880
? Pages: 961-964
? Authors: Redi Judith; Liu Hantao; Gastaldo Paolo; Zunino Rodolfo; Heynderickx Ingrid
? Keywords: Image quality assessment | Neural networks | Objective metric | Visual attention
? Quartile:
2025:
? Computer Vision and Pattern Recognition (Q2, rank 64, percentile 62)
? Signal Processing (Q2, rank 78, percentile 60)
? Software (Q2, rank 247, percentile 50)
? Source Id: 144684
? Author Ids: 23398318700;55581726800;35612596100;7006338311;6701861864
? Authoraffiliationids: 60025153;60006288;60025153;60025153;60006288-60016561
? Corresponding: Redi J.

92.

? Title: Low-complexity, linear circuit implementation of support vector machines training
? Venue: Electronics Letters
? Year: 2008
? Type: Journal
? Subtype: Article
? Citations: 2
? DOI: 10.1049/el:20082210
? Scopus ID: 2-s2.0-57349158096
? Issn: 00135194
? Volume: 44
? Issue: 25
? Pages: 1478-1479
? Authors: Decherchi S.; Gastaldo P.; Parodi M.; Zunino R.
? Quartile:
2025:

- ? Electrical and Electronic Engineering (Q3, rank 624, percentile 37)
 ? Source Id: 24918
 ? Author Ids: 23090052400;35612596100;35508934400;7006338311
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153
 ? Corresponding: Decherchi S.
93.
 ? Title: Enhanced montgomery multiplication on DSP architectures for embedded public-key cryptosystems
 ? Venue: Eurasip Journal on Embedded Systems
 ? Year: 2008
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 9
 ? Doi: 10.1155/2008/583926
 ? Scopus ID: 2-s2.0-84886068262
 ? Issn: 16873955
 ? eISSN: 16873963
 ? Volume: 2008
 ? Authors: Gastaldo P.; Parodi G.; Zunino R.
 ? Source Id: 4000151614
 ? Author Ids: 35612596100;7006518995;7006338311
 ? Authoraffiliationids: 60025153;60025153;60025153
 ? Corresponding: Gastaldo P.
94.
 ? Title: Co-occurrence matrixes for the quality assessment of coded images
 ? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
 ? Year: 2008
 ? Type: Book Series
 ? Subtype: Conference Paper
 ? Citations: 3
 ? Doi: 10.1007/978-3-540-87536-9_92
 ? Scopus ID: 2-s2.0-58849093305
 ? Issn: 03029743
 ? eISSN: 16113349
 ? Volume: 5163 LnCS
 ? Issue: Part 1
 ? Pages: 897-906
 ? Authors: Redi Judith; Gastaldo Paolo; Zunino Rodolfo; Heynderickx Ingrid
 ? Keywords: Neural networks | Objective quality assessment
 ? Quartile:
 2025:
 ? Theoretical Computer Science (Q3, rank 70, percentile 48)
 ? Computer Science (all) (Q3, rank 129, percentile 46)
 ? Source Id: 25674
 ? Author Ids: 23398318700;35612596100;7006338311;6701861864
 ? Authoraffiliationids: 60025153;60025153;60025153;60016561-60006288
 ? Corresponding: Redi J.
95.
 ? Title: Non-stationary data mining: The network security issue
 ? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
 ? Year: 2008
 ? Type: Book Series

? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-540-87559-8_4
? Scopus ID: 2-s2.0-51849135406
? Issn: 03029743
? eISSN: 16113349
? Volume: 5164 Lncs
? Issue: Part 2
? Pages: 32-41
? Authors: Decherchi Sergio; Gastaldo Paolo; Redi Judith; Zunino Rodolfo
? Keywords: Clustering | Data mining | Intrusion detection systems | K-winner machine | Network security
? Quartile:
2025:
? Theoretical Computer Science (Q3, rank 70, percentile 48)
? Computer Science (all) (Q3, rank 129, percentile 46)
? Source Id: 25674
? Author Ids: 23090052400;35612596100;23398318700;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Decherchi S.

96.

? Title: Co-occurrence matrixes for the quality assessment of coded images
? Venue: IEEE International Symposium on Industrial Electronics
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Isie.2007.4374840
? Scopus ID: 2-s2.0-50049123919
? Pages: 1584-1589
? Authors: Redi Judith; Gastaldo Paolo; Parodi Giovanni; Zunino Rodolfo
? Source Id: 85690
? Author Ids: 23398318700;35612596100;7006518995;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Redi J.

97.

? Title: Embedded public-key cryptosystems via enhanced Montgomery multiplication
? Venue: IEEE International Symposium on Industrial Electronics
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Isie.2007.4374882
? Scopus ID: 2-s2.0-50049106185
? Pages: 1820-1825
? Authors: Gastaldo Paolo; Parodi Giovanni; Picasso Francesco; Zunino Rodolfo
? Source Id: 85690
? Author Ids: 35612596100;7006518995;23390382200;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Gastaldo P.

98.

? Title: Auto-associative neural techniques for intrusion detection systems
? Venue: IEEE International Symposium on Industrial Electronics
? Year: 2007

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Isie.2007.4374898
? Scopus ID: 2-s2.0-50049104205
? Pages: 1905-1910
? Authors: Herrero ^ Ivaro; Corchado Emilio; Gastaldo Paolo; Picasso Francesco; Zunino Rodolfo
? Source Id: 85690
? Author Ids: 8892618100;6602872701;35612596100;23390382200;7006338311
? Authoraffiliationids: 60022866;60022866;60025153;60025153;60025153
? Corresponding: Herrero A.

99.

? Title: IDS based on bio-inspired models
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2007
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-540-74827-4_17
? Scopus ID: 2-s2.0-38049079250
? Issn: 03029743
? eISSN: 16113349
? Volume: 4693 Lnai
? Issue: Part 2
? Pages: 133-140
? Authors: Gastaldo Paolo; Picasso Francesco; Zunino Rodolfo; Herrero ^ Ivaro; Corchado Emilio; S^jiz Jos^' Manuel
? Keywords: Auto-associative back-propagation | Computer network security | Intrusion detection | Projection methods | Unsupervised learning | Visualization
? Quartile:
2025:
? Theoretical Computer Science (Q3, rank 70, percentile 48)
? Computer Science (all) (Q3, rank 129, percentile 46)
? Source Id: 25674
? Author Ids: 35612596100;23390382200;7006338311;8892618100;6602872701;36849297700
? Authoraffiliationids: 60025153;60025153;60025153;60022866;60022866;60022866
? Corresponding: Gastaldo P.

100.

? Title: Intrusion detection at packet level by unsupervised architectures
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2007
? Type: Book Series
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1007/978-3-540-77226-2_72
? Scopus ID: 2-s2.0-38449095007
? Issn: 03029743
? eISSN: 16113349
? Volume: 4881 LnCS
? Pages: 718-727
? Authors: Herrero ^ Ivaro; Corchado Emilio; Gastaldo Paolo; Leoncini Davide; Picasso

Francesco; Zunino Rodolfo

? Keywords: Auto associative back propagation | Intrusion detection system | Network security | Self-organizing map | Vector quantization

? Quartile:

2025:

? Theoretical Computer Science (Q3, rank 70, percentile 48)

? Computer Science (all) (Q3, rank 129, percentile 46)

? Source Id: 25674

? Author Ids: 8892618100;6602872701;35612596100;23473869300;23390382200;7006338311

? Authoraffiliationids: 60022866;60022866;60025153;60025153;60025153;60025153

? Corresponding: Herrero A.

101.

? Title: No-reference quality assessment of JPEG images by using CBP neural networks

? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics

? Year: 2007

? Type: Book Series

? Subtype: Conference Paper

? Citations: 13

? Doi: 10.1007/978-3-540-74695-9_58

? Scopus ID: 2-s2.0-38149045163

? Issn: 03029743

? eISSN: 16113349

? Volume: 4669 Lncs

? Issue: Part 2

? Pages: 564-572

? Authors: Gastaldo Paolo; Parodi Giovanni; Redi Judith; Zunino Rodolfo

? Keywords: Feedforward neural networks | Image quality assessment | JPEG

? Quartile:

2025:

? Theoretical Computer Science (Q3, rank 70, percentile 48)

? Computer Science (all) (Q3, rank 129, percentile 46)

? Source Id: 25674

? Author Ids: 35612596100;7006518995;23398318700;7006338311

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Gastaldo P.

102.

? Title: A comparison of neural projection techniques applied to intrusion detection systems

? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics

? Year: 2007

? Type: Book Series

? Subtype: Conference Paper

? Citations: 7

? Doi: 10.1007/978-3-540-73007-1_138

? Scopus ID: 2-s2.0-38049169198

? Issn: 03029743

? eISSN: 16113349

? Volume: 4507 Lncs

? Pages: 1138-1146

? Authors: Herrero ^ Ivaro; Corchado Emilio; Gastaldo Paolo; Zunino Rodolfo

? Keywords: Auto-associative back-propagation | Computer network security | Exploratory projection pursuit | Intrusion detection | Neural networks | Principal component

analysis | Unsupervised learning | Visualization

? Quartile:

2025:

? Theoretical Computer Science (Q3, rank 70, percentile 48)

? Computer Science (all) (Q3, rank 129, percentile 46)

? Source Id: 25674

? Author Ids: 8892618100;6602872701;35612596100;7006338311

? Authoraffiliationids: 60022866;60022866;60025153;60025153

? Corresponding: Herrero A.

103.

? Title: Efficient implementation of SVM training on embedded electronic systems

? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics

? Year: 2007

? Type: Book Series

? Subtype: Conference Paper

? Citations: 3

? Doi: 10.1007/978-3-540-73400-0_33

? Scopus ID: 2-s2.0-37249056533

? Issn: 03029743

? eISSN: 16113349

? Volume: 4578 Lnai

? Pages: 269-276

? Authors: Gastaldo Paolo; Parodi Giovanni; Decherchi Sergio; Zunino Rodolfo

? Keywords: DSP | Embedded systems | SMO | Support vector machine

? Quartile:

2025:

? Theoretical Computer Science (Q3, rank 70, percentile 48)

? Computer Science (all) (Q3, rank 129, percentile 46)

? Source Id: 25674

? Author Ids: 35612596100;7006518995;23090052400;7006338311

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Gastaldo P.

104.

? Title: Prospects of quantum-classical optimization for digital design

? Venue: Applied Mathematics and Computation

? Year: 2006

? Type: Journal

? Subtype: Article

? Citations: 5

? DOI: 10.1016/j.amc.2005.11.129

? Scopus ID: 2-s2.0-33748081753

? Issn: 00963003

? Volume: 179

? Issue: 2

? Pages: 581-595

? Authors: Gastaldo Paolo; Ridella Sandro; Zunino Rodolfo

? Keywords: Optimal design of digital systems | Quantum computing | Support vector machines | Vector quantization

? Quartile:

2025:

? Applied Mathematics (Q1, rank 38, percentile 94)

? Computational Mathematics (Q1, rank 15, percentile 92)

? Computer Science (all) (Q1, rank 45, percentile 81)

? Source Id: 25170
? Author Ids: 35612596100;7006643280;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Gastaldo P.

105.

? Title: Soft-max circuit design with adjustable gain
? Venue: IEE Proceedings Circuits Devices and Systems
? Year: 2006
? Type: Journal
? Subtype: Article
? Citations: 0
? DOI: 10.1049/ip-cds:20050105
? Scopus ID: 2-s2.0-33745304596
? Issn: 13502409
? Volume: 153
? Issue: 3
? Pages: 231-240
? Authors: Piombo D.; Zunino R.
? Source Id: 17412
? Author Ids: 56619487500;7006338311
? Authoraffiliationids: 60025153;60025153
? Corresponding: Piombo D.

106.

? Title: Embedded electronics systems for training support vector machines
? Venue: IEEE International Conference on Neural Networks Conference Proceedings
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.1109/ijcnn.2006.247212
? Scopus ID: 2-s2.0-40649112899
? Issn: 10987576
? Pages: 2838-2844
? Authors: Decherchi Sergio; Parodi Giovanni; Gastaldo Paolo; Zunino Rodolfo
? Source Id: 110573
? Author Ids: 23090052400;7006518995;35612596100;7006338311
? Authoraffiliationids: ;;;60000251
? Corresponding: Decherchi S.

107.

? Title: Analog Soft Max circuit with dynamic gain control
? Venue: 2005 Phd Research in Microelectronics and Electronics Proceedings of the Conference
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Rme.2005.1543015
? Scopus ID: 2-s2.0-33750321023
? Volume: I
? Pages: 79-82
? Authors: Piombo Davide; Zunino Rodolfo
? Source Id: 5000156805
? Author Ids: 23480123500;7006338311
? Authoraffiliationids: 60025153;60025153

- ? Corresponding: Piombo D.
- 108.
- ? Title: DSP-based neural systems for the perceptual assessment of visual quality
- ? Venue: Proceedings of the International Joint Conference on Neural Networks
- ? Year: 2005
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 2
- ? Doi: 10.1109/Ijcn.2005.1555910
- ? Scopus ID: 2-s2.0-33745963953
- ? Volume: 1
- ? Pages: 663-668
- ? Authors: Gastaldo Paolo; Parodi Giovanni; Zunino Rodolfo
- ? Source Id: 96537
- ? Author Ids: 35612596100;7006518995;7006338311
- ? Authoraffiliationids: 60025153;60025153;60025153
- ? Corresponding: Gastaldo P.
- 109.
- ? Title: Analog current-mode design for Soft-Max computation
- ? Venue: Proceedings of the International Joint Conference on Neural Networks
- ? Year: 2005
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 0
- ? Doi: 10.1109/Ijcn.2005.1555931
- ? Scopus ID: 2-s2.0-33745934237
- ? Volume: 2
- ? Pages: 669-674
- ? Authors: Piombo Davide; Zunino Rodolfo
- ? Source Id: 96537
- ? Author Ids: 23480123500;7006338311
- ? Authoraffiliationids: 60025153;60025153
- ? Corresponding: Piombo D.
- 110.
- ? Title: Objective quality assessment of displayed images by using neural networks
- ? Venue: Signal Processing Image Communication
- ? Year: 2005
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 46
- ? DOI: 10.1016/j.image.2005.03.013
- ? Scopus ID: 2-s2.0-22644431944
- ? Issn: 09235965
- ? Volume: 20
- ? Issue: 7
- ? Pages: 643-661
- ? Authors: Gastaldo Paolo; Zunino Rodolfo; Heynderickx Ingrid; Vicario Elena
- ? Keywords: Neural networks | Objective image quality | Perceptual quality
- ? Quartile:
- 2025:
- ? Signal Processing (Q1, rank 30, percentile 84)
- ? Computer Vision and Pattern Recognition (Q1, rank 32, percentile 81)
- ? Electrical and Electronic Engineering (Q1, rank 192, percentile 80)
- ? Software (Q1, rank 117, percentile 76)

- ? Source Id: 13803
? Author Ids: 35612596100;7006338311;6701861864;7004018542
? Authoraffiliationids: 60025153;60025153;60016561;60016561
? Corresponding: Gastaldo P.
111.
? Title: Neural networks for the no-reference assessment of perceived quality
? Venue: Journal of Electronic Imaging
? Year: 2005
? Type: Journal
? Subtype: Article
? Citations: 29
? Doi: 10.1117/1.1988313
? Scopus ID: 2-s2.0-28044438919
? Issn: 10179909
? eISSN: 1560229X
? Volume: 14
? Issue: 3
? Pages: 1-11
? Authors: Gastaldo Paolo; Zunino Rodolfo
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 537, percentile 46)
? Computer Science Applications (Q3, rank 592, percentile 39)
? Atomic and Molecular Physics, and Optics (Q3, rank 154, percentile 35)
? Source Id: 25978
? Author Ids: 35612596100;7006338311
? Authoraffiliationids: 60025153;60025153
? Corresponding: Gastaldo P.
112.
? Title: Using K-Winner Machines for domain analysis
? Venue: Neurocomputing
? Year: 2004
? Type: Journal
? Subtype: Article
? Citations: 1
? DOI: 10.1016/j.neucom.2004.05.003
? Scopus ID: 2-s2.0-8644225660
? Issn: 09252312
? Volume: 62
? Issue: 1-4
? Pages: 367-388
? Authors: Ridella Sandro; Zunino Rodolfo
? Keywords: Domain analysis | K-Winner Machine | Mixed supervised-unsupervised learning
| Structural risk minimization | Vector quantization
? Quartile:
2025:
? Cognitive Neuroscience (Q1, rank 10, percentile 92)
? Computer Science Applications (Q1, rank 124, percentile 87)
? Artificial Intelligence (Q1, rank 85, percentile 82)
? Source Id: 24807
? Author Ids: 7006643280;7006338311
? Authoraffiliationids: 60025153;60025153
? Corresponding: Ridella S.
- 113.

? Title: Vector quantization complexity and quantum computing
? Venue: IEEE International Conference on Neural Networks Conference Proceedings
? Year: 2004
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/ljcn.2004.1381201
? Scopus ID: 2-s2.0-10944229787
? Issn: 10987576
? Volume: 4
? Pages: 3257-3262
? Authors: Gastaldo Paolo; Ridella Sandro; Zunino Rodolfo
? Source Id: 110573
? Author Ids: 35612596100;7006643280;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Gastaldo P.

114.

? Title: Unsupervised clustering and the capacity of support vector machines
? Venue: IEEE International Conference on Neural Networks Conference Proceedings
? Year: 2004
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Scopus ID: 2-s2.0-10844282737
? Issn: 10987576
? Volume: 3
? Pages: 2023-2028
? Authors: Anguita Davide; Ridella Sandro; Riveccio Fabio; Zunino Rodolfo
? Source Id: 110573
? Author Ids: 7004764744;7006643280;6505767415;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Anguita D.

115.

? Title: Model selection in top quark tagging with a support vector classifier
? Venue: IEEE International Conference on Neural Networks Conference Proceedings
? Year: 2004
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/ljcn.2004.1380934
? Scopus ID: 2-s2.0-10844249293
? Issn: 10987576
? Volume: 3
? Pages: 2059-2064
? Authors: Anguita Davide; Ridella Sandro; Riveccio Fabio; Zunino Rodolfo; Amerio Silvia; Lazzizzera Ignazio
? Source Id: 110573
? Author Ids: 7004764744;7006643280;6505767415;7006338311;35226945800;35227498500
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60015986;60015986
? Corresponding: Anguita D.

116.

? Title: No-reference quality assessment of JPEG images by using CBP neural networks
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2004

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 9
? Scopus ID: 2-s2.0-4344699967
? Issn: 02714310
? Volume: 5
? Pages: V-772-V-775
? Authors: Gastaldo Paolo; Zunino Rodolfo
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 35612596100;7006338311
? Authoraffiliationids: 60025153;60025153
? Corresponding: Gastaldo P.

117.

? Title: A Model-Selection Approach to the VLSI Design of Vector Quantizers
? Venue: Proceedings of the International Joint Conference on Neural Networks
? Year: 2003
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-0141683761
? Volume: 2
? Pages: 959-964
? Authors: Bracco Massimiliano; Ridella Sandro; Zunino Rodolfo
? Source Id: 96537
? Author Ids: 7003353849;7006643280;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bracco M.

118.

? Title: CBP neural network for objective assessment of image quality
? Venue: Proceedings of the International Joint Conference on Neural Networks
? Year: 2003
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Scopus ID: 2-s2.0-0141573471
? Volume: 1
? Pages: 194-199
? Authors: Gastaldo Paolo; Zunino Rodolfo; Vicario Elena; Heynderickx Ingrid
? Source Id: 96537
? Author Ids: 35612596100;7006338311;7004018542;6701861864
? Authoraffiliationids: 60025153;60025153;60016561;60016561
? Corresponding: Gastaldo P.

119.

? Title: Training Support Vector Machines: A Quantum-Computing Perspective
? Venue: Proceedings of the International Joint Conference on Neural Networks
? Year: 2003
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 9
? Scopus ID: 2-s2.0-0141459894
? Volume: 2

? Pages: 1587-1592
? Authors: Anguita Davide; Ridella Sandro; Riveccio Fabio; Zunino Rodolfo
? Source Id: 96537
? Author Ids: 7004764744;7006643280;6505767415;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Anguita D.

120.

? Title: Digital Implementation of Hierarchical Vector Quantization
? Venue: IEEE Transactions on Neural Networks
? Year: 2003
? Type: Journal
? Subtype: Article
? Citations: 18
? Doi: 10.1109/Tnn.2003.816355
? Scopus ID: 2-s2.0-0242611600
? Issn: 10459227
? Volume: 14
? Issue: 5
? Pages: 1072-1084
? Authors: Bracco Massimiliano; Ridella Sandro; Zunino Rodolfo
? Keywords: Digital very large-scale integration (VLSI) | Minimum description length (MDL) | Vector quantization (VQ)
? Source Id: 24243
? Author Ids: 7003353849;7006643280;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bracco M.

121.

? Title: Hyperparameter design criteria for support vector classifiers
? Venue: Neurocomputing
? Year: 2003
? Type: Journal
? Subtype: Article
? Citations: 56
? Doi: 10.1016/S0925-2312(03)00430-2
? Scopus ID: 2-s2.0-0242320493
? Issn: 09252312
? Volume: 55
? Issue: 1-2
? Pages: 109-134
? Authors: Anguita Davide; Ridella Sandro; Riveccio Fabio; Zunino Rodolfo
? Keywords: Generalization error estimate | Hyperparameters tuning | k-fold cross-validation | Maximal-discrepancy criterion | Support vector classifier
? Quartile:
2025:
? Cognitive Neuroscience (Q1, rank 10, percentile 92)
? Computer Science Applications (Q1, rank 124, percentile 87)
? Artificial Intelligence (Q1, rank 85, percentile 82)
? Source Id: 24807
? Author Ids: 7004764744;7006643280;6505767415;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Anguita D.

122.

? Title: Quantum optimization for training support vector machines
? Venue: Neural Networks

? Year: 2003
? Type: Journal
? Subtype: Conference Paper
? Citations: 103
? Doi: 10.1016/S0893-6080(03)00087-X
? Scopus ID: 2-s2.0-0038158194
? Issn: 08936080
? Volume: 16
? Issue: 5-6
? Pages: 763-770
? Authors: Anguita Davide; Ridella Sandro; Riveccio Fabio; Zunino Rodolfo
? Keywords: Quadratic-programming | Quantum optimization | Robust classification | Support vector machine
? Quartile:
2025:
? Cognitive Neuroscience (Q1, rank 11, percentile 91)
? Artificial Intelligence (Q1, rank 88, percentile 82)
? Source Id: 24804
? Author Ids: 7004764744;7006643280;6505767415;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Anguita D.

123.

? Title: Hausdorff distance for robust and adaptive template selection in visual target detection
? Venue: Electronics Letters
? Year: 2002
? Type: Journal
? Subtype: Article
? Citations: 5
? DOI: 10.1049/el:20021179
? Scopus ID: 2-s2.0-0037028255
? Issn: 00135194
? Volume: 38
? Issue: 25
? Pages: 1651-1653
? Authors: Gastaldo P.; Zunino R.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 624, percentile 37)
? Source Id: 24918
? Author Ids: 35612596100;7006338311
? Authoraffiliationids: 60025153;60025153
? Corresponding: Gastaldo P.

124.

? Title: Objective quality assessment of MPEG-2 video streams by using CBP neural networks
? Venue: IEEE Transactions on Neural Networks
? Year: 2002
? Type: Journal
? Subtype: Article
? Citations: 33
? Doi: 10.1109/Tnn.2002.1021894
? Scopus ID: 2-s2.0-0036650987
? Issn: 10459227

? Volume: 13
? Issue: 4
? Pages: 939-947
? Authors: Gastaldo Paolo; Rovetta Stefano; Zunino Rodolfo
? Keywords: Circular backpropagation (CBP) | Compressed video | Digital TV | Objective quality assessment
? Source Id: 24243
? Author Ids: 35612596100;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153-60011264;60000251-60025153
? Corresponding: Gastaldo P.

125.

? Title: Objective assessment of MPEG-2 video quality
? Venue: Journal of Electronic Imaging
? Year: 2002
? Type: Journal
? Subtype: Article
? Citations: 20
? Doi: 10.1117/1.1479703
? Scopus ID: 2-s2.0-0036638198
? Issn: 10179909
? eISSN: 1560229X
? Volume: 11
? Issue: 3
? Pages: 365-374
? Authors: Gastaldo Paolo; Zunino Rodolfo; Rovetta Stefano
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 537, percentile 46)
? Computer Science Applications (Q3, rank 592, percentile 39)
? Atomic and Molecular Physics, and Optics (Q3, rank 154, percentile 35)
? Source Id: 25978
? Author Ids: 35612596100;7006338311;7003745558
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Gastaldo P.

126.

? Title: Circular back-propagation networks for measuring displayed image quality
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2002
? Type: Book Series
? Subtype: Conference Paper
? Citations: 9
? Doi: 10.1007/3-540-46084-5_197
? Scopus ID: 2-s2.0-84893529304
? Issn: 03029743
? eISSN: 16113349
? Volume: 2415 LnCS
? Pages: 1219-1224
? Authors: Gastaldo Paolo; Zunino Rodolfo; Heynderickx Ingrid; Vicario Elena
? Quartile:
2025:
? Theoretical Computer Science (Q3, rank 70, percentile 48)
? Computer Science (all) (Q3, rank 129, percentile 46)
? Source Id: 25674

? Author Ids: 35612596100;7006338311;6701861864;7004018542
? Authoraffiliationids: 60025153;60025153;60016561;60016561
? Corresponding: Gastaldo P.

127.

? Title: Automatic hyperparameter tuning for support vector machines
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 2002
? Type: Book Series
? Subtype: Conference Paper
? Citations: 9
? Doi: 10.1007/3-540-46084-5_217
? Scopus ID: 2-s2.0-56549103236
? Issn: 03029743
? eISSN: 16113349
? Volume: 2415 Lncs
? Pages: 1345-1350
? Authors: Anguita Davide; Ridella Sandro; Riveccio Fabio; Zunino Rodolfo
? Quartile:
2025:
? Theoretical Computer Science (Q3, rank 70, percentile 48)
? Computer Science (all) (Q3, rank 129, percentile 46)
? Source Id: 25674
? Author Ids: 7004764744;7006643280;6505767415;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Anguita D.

128.

? Title: Analog implementation of the soft-max function
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2002
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 24
? Scopus ID: 2-s2.0-0036296841
? Issn: 02714310
? Volume: 2
? Pages: II/120
? Authors: Zunino Rodolfo; Gastaldo Paolo
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 7006338311;35612596100
? Authoraffiliationids: 60025153;60025153
? Corresponding: Zunino R.

129.

? Title: Hausdorff distance for target detection
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2002
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 13
? Scopus ID: 2-s2.0-0036291070
? Issn: 02714310

? Volume: 5
? Pages: V/664
? Authors: Gastaldo Paolo; Zunino Rodolfo
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 35612596100;7006338311
? Authoraffiliationids: 60025153;60025153
? Corresponding: Gastaldo P.

130.

? Title: Image quality assessment by using neural networks
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2002
? Type: Journal
? Subtype: Article
? Citations: 23
? Doi: 10.1109/IsCAS.2002.1010688
? Scopus ID: 2-s2.0-0036287833
? Issn: 02714310
? Volume: 5
? Pages: V/253-V/256
? Authors: Carrai Paola; Heynderickx Ingrid; Gastaldo Paolo; Zunino Rodolfo
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 56989328500;6701861864;35612596100;7006338311
? Authoraffiliationids: 60016561;60016561;;
? Corresponding: Carrai P.

131.

? Title: Empirical measure of multiclass generalization performance: The K-winner machine case
? Venue: IEEE Transactions on Neural Networks
? Year: 2001
? Type: Journal
? Subtype: Letter
? Citations: 8
? Doi: 10.1109/72.963791
? Scopus ID: 2-s2.0-0035505574
? Issn: 10459227
? Volume: 12
? Issue: 6
? Pages: 1525-1529
? Authors: Ridella S.; Zunino R.
? Keywords: Generalization theory | K-winner machine | VC-dimension | Vector quantization
? Source Id: 24243
? Author Ids: 7006643280;7006338311
? Authoraffiliationids: 60025153;60025153
? Corresponding: Ridella S.

132.

? Title: K-winner machines for pattern classification
? Venue: IEEE Transactions on Neural Networks

? Year: 2001
? Type: Journal
? Subtype: Article
? Citations: 38
? Doi: 10.1109/72.914531
? Scopus ID: 2-s2.0-0035272777
? Issn: 10459227
? Volume: 12
? Issue: 2
? Pages: 371-385
? Authors: Ridella Sandro; Rovetta Stefano; Zunino Rodolfo
? Keywords: Pattern classification | Supervised learning | Unsupervised learning | Vector quantization
? Source Id: 24243
? Author Ids: 7006643280;7003745558;7006338311
? Authoraffiliationids: 60000251-60025153;60000251-60025153;60000251-60025153
? Corresponding: Ridella S.

133.

? Title: Performance characterization of K-Winner machines
? Venue: Proceedings of the International Joint Conference on Neural Networks
? Year: 2001
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-0034876362
? Volume: 2
? Pages: 1227-1232
? Authors: Ridella S.; Zunino R.
? Source Id: 96537
? Author Ids: 7006643280;7006338311
? Authoraffiliationids: 60025153;60025153
? Corresponding: Ridella S.

134.

? Title: Objective assessment of MPEG-video quality: A neural-network approach
? Venue: Proceedings of the International Joint Conference on Neural Networks
? Year: 2001
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 20
? Scopus ID: 2-s2.0-0034868979
? Volume: 2
? Pages: 1432-1437
? Authors: Gastaldo P.; Rovetta S.; Zunino R.
? Source Id: 96537
? Author Ids: 35612596100;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Gastaldo P.

135.

? Title: IAVQ - interval-arithmetic vector quantization for image compression
? Venue: IEEE Transactions on Circuits and Systems II Analog and Digital Signal Processing
? Year: 2000
? Type: Journal
? Subtype: Article

? Citations: 13
? Doi: 10.1109/82.899630
? Scopus ID: 2-s2.0-0034462303
? Issn: 10577130
? Volume: 47
? Issue: 12
? Pages: 1378-1390
? Authors: Ridella Sandro; Rovetta Stefano; Zunino Rodolfo
? Source Id: 34461
? Author Ids: 7006643280;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ridella S.

136.

? Title: Vector quantization for license-plate location and image coding
? Venue: IEEE Transactions on Industrial Electronics
? Year: 2000
? Type: Journal
? Subtype: Article
? Citations: 93
? Doi: 10.1109/41.824138
? Scopus ID: 2-s2.0-0034135670
? Issn: 02780046
? Volume: 47
? Issue: 1
? Pages: 159-167
? Authors: Zunino Rodolfo; Rovetta Stefano
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 33, percentile 96)
? Control and Systems Engineering (Q1, rank 17, percentile 95)
? Source Id: 26053
? Author Ids: 7006338311;7003745558
? Authoraffiliationids: 60025153;60025153
? Corresponding: Zunino R.

137.

? Title: Augmenting Vector Quantization with Interval Arithmetics for image-coding applications
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2000
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/IsCAS.2000.856058
? Scopus ID: 2-s2.0-0033720390
? Issn: 02714310
? Volume: 3
? Pages: I-307-I-310
? Authors: Ridella Sandro; Rovetta Stefano; Zunino Rodolfo
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 7006643280;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153

- ? Corresponding: Ridella S.
- 138.
- ? Title: K-Winner Machine model
- ? Venue: Proceedings of the International Joint Conference on Neural Networks
- ? Year: 2000
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 2
- ? DOI: 10.1109/ijcnn.2000.857822
- ? Scopus ID: 2-s2.0-0033686239
- ? Volume: 1
- ? Pages: 106-111
- ? Authors: Ridella Sandro; Rovetta Stefano; Zunino Rodolfo
- ? Source Id: 96537
- ? Author Ids: 7006643280;7003745558;7006338311
- ? Authoraffiliationids: 60025153;60025153;60025153
- ? Corresponding: Ridella S.
- 139.
- ? Title: A multiprocessor-oriented visual tracking system
- ? Venue: IEEE Transactions on Industrial Electronics
- ? Year: 1999
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 10
- ? Doi: 10.1109/41.778256
- ? Scopus ID: 2-s2.0-0033172143
- ? Issn: 02780046
- ? Volume: 46
- ? Issue: 4
- ? Pages: 842-850
- ? Authors: Rovetta Stefano; Zunino Rodolfo
- ? Keywords: Machine vision | Multilayer perceptrons | Multiprocessing | Neural network applications | Neurocontrollers | Tracking
- ? Quartile:
- 2025:
- ? Electrical and Electronic Engineering (Q1, rank 33, percentile 96)
- ? Control and Systems Engineering (Q1, rank 17, percentile 95)
- ? Source Id: 26053
- ? Author Ids: 7003745558;7006338311
- ? Authoraffiliationids: 60000251-60025153;60025153
- ? Corresponding: Rovetta S.
- 140.
- ? Title: Representation and generalization properties of class-entropy networks
- ? Venue: IEEE Transactions on Neural Networks
- ? Year: 1999
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 7
- ? Doi: 10.1109/72.737491
- ? Scopus ID: 2-s2.0-0032785933
- ? Issn: 10459227
- ? Volume: 10
- ? Issue: 1
- ? Pages: 31-47

? Authors: Ridella Sandro; Rovetta Stefano; Zunino Rodolfo
? Keywords: Class-entropy networks | Clustering methods | Generalization | Minimum entropy methods | Noise-injection | Pruning
? Source Id: 24243
? Author Ids: 7006643280;7003745558;7006338311
? Authoraffiliationids: 60000251-60025153;60000251-60025153;60000251-60025153
? Corresponding: Ridella S.

141.

? Title: Circuit implementation of K-winner machine
? Venue: Electronics Letters
? Year: 1999
? Type: Journal
? Subtype: Article
? Citations: 3
? DOI: 10.1049/el:19990820
? Scopus ID: 2-s2.0-0032653791
? Issn: 00135194
? Volume: 35
? Issue: 14
? Pages: 1172-1173
? Authors: Ridella S.; Rovetta S.; Zunino R.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 624, percentile 37)
? Source Id: 24918
? Author Ids: 7006643280;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ridella S.

142.

? Title: Efficient training of neural gas vector quantizers with analog circuit implementation
? Venue: IEEE Transactions on Circuits and Systems II Analog and Digital Signal Processing
? Year: 1999
? Type: Journal
? Subtype: Article
? Citations: 25
? Doi: 10.1109/82.769777
? Scopus ID: 2-s2.0-0033148429
? Issn: 10577130
? Volume: 46
? Issue: 6
? Pages: 688-698
? Authors: Rovetta Stefano; Zunino Rodolfo
? Source Id: 34461
? Author Ids: 7003745558;7006338311
? Authoraffiliationids: 60025153;60025153
? Corresponding: Rovetta S.

143.

? Title: License-plate localization by using vector quantization
? Venue: ICASSP IEEE International Conference on Acoustics Speech and Signal Processing Proceedings
? Year: 1999
? Type: Conference Proceeding

? Subtype: Article
? Citations: 16
? DOI: 10.1109/icassp.1999.759939
? Scopus ID: 2-s2.0-0032688790
? Issn: 07367791
? Volume: 2
? Pages: 1113-1116
? Authors: Rovetta Stefano; Zunino Rodolfo
? Source Id: 110544
? Author Ids: 7003745558;7006338311
? Authoraffiliationids: 60025153;60025153
? Corresponding: Rovetta S.

144.

? Title: Analog vector quantization chip for flexible video compression systems
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 1999
? Type: Conference Proceeding
? Subtype: Article
? Citations: 0
? Scopus ID: 2-s2.0-0032678417
? Issn: 02714310
? Volume: 4
? Pages: V-367-V-370
? Authors: Rovetta Stefano; Zunino Rodolfo
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 7003745558;7006338311
? Authoraffiliationids: 60025153;60025153
? Corresponding: Rovetta S.

145.

? Title: Circular backpropagation networks embed vector quantization
? Venue: IEEE Transactions on Neural Networks
? Year: 1999
? Type: Journal
? Subtype: Article
? Citations: 22
? Doi: 10.1109/72.774275
? Scopus ID: 2-s2.0-0032664582
? Issn: 10459227
? Volume: 10
? Issue: 4
? Pages: 972-975
? Authors: Ridella Sandro; Rovetta Stefano; Zunino Rodolfo
? Source Id: 24243
? Author Ids: 7006643280;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ridella S.

146.

? Title: Visual location of license plates by vector quantization
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 1999
? Type: Conference Proceeding

? Subtype: Article
? Citations: 4
? Scopus ID: 2-s2.0-0032630875
? Issn: 02714310
? Volume: 4
? Pages: V-135-V-138
? Authors: Zunino Rodolfo; Rovetta Stefano
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 7006338311;7003745558
? Authoraffiliationids: 60025153;60025153
? Corresponding: Zunino R.

147.

? Title: VLSI circuits with fractal layout for spatial image decorrelation
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 1999
? Type: Conference Proceeding
? Subtype: Article
? Citations: 9
? Scopus ID: 2-s2.0-0032626825
? Issn: 02714310
? Volume: 4
? Pages: V-110-V-113
? Authors: Rovetta Stefano; Zunino Rodolfo
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 7003745558;7006338311
? Authoraffiliationids: 60025153;60025153
? Corresponding: Rovetta S.

148.

? Title: Minimal-connectivity circuit for analogue sorting
? Venue: IEE Proceedings Circuits Devices and Systems
? Year: 1999
? Type: Journal
? Subtype: Article
? Citations: 8
? DOI: 10.1049/ip-cds:19990323
? Scopus ID: 2-s2.0-0032623386
? Issn: 13502409
? Volume: 146
? Issue: 3
? Pages: 108-110
? Authors: Rovetta S.; Zunino R.
? Source Id: 17412
? Author Ids: 7003745558;7006338311
? Authoraffiliationids: 60025153;60025153
? Corresponding: Rovetta S.

149.

? Title: Fractal circuit layout for spatial decorrelation of images
? Venue: Electronics Letters

? Year: 1998
? Type: Journal
? Subtype: Article
? Citations: 12
? DOI: 10.1049/el:19981335
? Scopus ID: 2-s2.0-0032178734
? Issn: 00135194
? Volume: 34
? Issue: 20
? Pages: 1929-1930
? Authors: Zunino R.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 624, percentile 37)
? Source Id: 24918
? Author Ids: 7006338311
? Authoraffiliationids: 60025153
? Corresponding: Zunino R.

150.

? Title: Analog vector quantization VLSI circuit
? Venue: Alta Frequenza Rivista Di Elettronica
? Year: 1998
? Type: Journal
? Subtype: Article
? Citations: 0
? Scopus ID: 2-s2.0-0032153942
? Issn: 11201908
? Volume: 10
? Issue: 5
? Pages: 54-57
? Authors: Novaro Andrea; Rimassa Luca; Rovetta Stefano; Zunino Rodolfo
? Source Id: 24118
? Author Ids: 6603962209;24081448600;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Novaro A.

151.

? Title: An image-recognition system implemented on hierarchical parallel architectures
? Venue: International Journal of Pattern Recognition and Artificial Intelligence
? Year: 1998
? Type: Journal
? Subtype: Article
? Citations: 1
? Doi: 10.1142/S0218001498000208
? Scopus ID: 2-s2.0-0345180732
? Issn: 02180014
? Volume: 12
? Issue: 3
? Pages: 293-310
? Authors: Ancona Fabio; Rovetta Stefano; Zunino Rodolfo
? Keywords: Associative memory | Hierarchical topologies | Parallel architectures | Real-time image-recognition system
? Quartile:
2025:
? Computer Vision and Pattern Recognition (Q2, rank 86, percentile 50)

? Artificial Intelligence (Q3, rank 282, percentile 43)
? Software (Q3, rank 308, percentile 38)
? Source Id: 24310
? Author Ids: 57195557700;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ancona F.

152.

? Title: Plastic algorithm for adaptive vector quantisation
? Venue: Neural Computing and Applications
? Year: 1998
? Type: Journal
? Subtype: Article
? Citations: 24
? Doi: 10.1007/Bf01413708
? Scopus ID: 2-s2.0-0032333871
? Issn: 09410643
? Volume: 7
? Issue: 1
? Pages: 37-51
? Authors: Ridella S.; Rovetta S.; Zunino R.
? Keywords: Gross-validation | Image Coding | Lyme disease | Plastic Algorithm | Vector Quantisation
? Quartile:
2025:
? Software (Q1, rank 43, percentile 91)
? Artificial Intelligence (Q1, rank 57, percentile 88)
? Source Id: 24800
? Author Ids: 7006643280;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ridella S.

153.

? Title: Hypercube structures with high-connectivity supporting nodes
? Venue: Journal of Systems Architecture
? Year: 1998
? Type: Journal
? Subtype: Article
? Citations: 0
? Doi: 10.1016/S1383-7621(97)00033-7
? Scopus ID: 2-s2.0-0032095442
? Issn: 13837621
? Volume: 44
? Issue: 9-10
? Pages: 803-814
? Authors: Ancona Fabio; Zunino Rodolfo
? Keywords: High-connectivity nodes | Hypercube architectures | Message routing | Transputers
? Quartile:
2025:
? Software (Q1, rank 84, percentile 83)
? Hardware and Architecture (Q1, rank 44, percentile 81)
? Source Id: 12398
? Author Ids: 57195557700;7006338311
? Authoraffiliationids: 60025153;60025153
? Corresponding: Ancona F.

154.

? Title: Neural hardware for image processing
? Venue: Midwest Symposium on Circuits and Systems
? Year: 1997
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-0031376417
? Volume: 2
? Pages: 1342-1345
? Authors: Ancona Fabio; Rovetta Stefano; Zunino Rodolfo
? Source Id: 26047
? Author Ids: 57195557700;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ancona F.

155.

? Title: Encoder for vector quantization neural networks
? Venue: Midwest Symposium on Circuits and Systems
? Year: 1997
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-0031354987
? Volume: 2
? Pages: 1286-1289
? Authors: Ancona Fabio; Rovetta Stefano; Zunino Rodolfo
? Source Id: 26047
? Author Ids: 57195557700;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ancona F.

156.

? Title: VLSI circuit for programmable sorting
? Venue: Midwest Symposium on Circuits and Systems
? Year: 1997
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-0031340855
? Volume: 2
? Pages: 1061-1064
? Authors: Ancona Fabio; Rovetta Stefano; Zunino Rodolfo
? Source Id: 26047
? Author Ids: 57195557700;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ancona F.

157.

? Title: CBP networks as a generalized neural model
? Venue: IEEE International Conference on Neural Networks Conference Proceedings
? Year: 1997
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/lnnn.1997.611666
? Scopus ID: 2-s2.0-0030721344

? Issn: 10987576
? Volume: 1
? Pages: 210-214
? Authors: Ridella Sandro; Rovetta Stefano; Zunino Rodolfo
? Source Id: 110573
? Author Ids: 7006643280;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ridella S.

158.

? Title: Optimal data allocation for processor-tree architectures
? Venue: Conference Proceedings of the Euromicro
? Year: 1997
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Eurmic.1997.617312
? Scopus ID: 2-s2.0-0030714525
? Issn: 10896503
? Pages: 351-358
? Authors: Ancona Fabio; Zunino Rodolfo
? Source Id: 18655
? Author Ids: 57195557700;7006338311
? Authoraffiliationids: 60025153;60025153
? Corresponding: Ancona F.

159.

? Title: On the importance of sorting in '«neural gas'» training of vector quantizers
? Venue: IEEE International Conference on Neural Networks Conference Proceedings
? Year: 1997
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 10
? Doi: 10.1109/lnnn.1997.614171
? Scopus ID: 2-s2.0-0030707024
? Issn: 10987576
? Volume: 3
? Pages: 1804-1808
? Authors: Ancona F.; Ridella S.; Rovetta S.; Zunino R.
? Source Id: 110573
? Author Ids: 57195557700;7006643280;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Ancona F.

160.

? Title: BP networks for partial discharge analysis and dielectric classification
? Venue: IEEE International Conference on Neural Networks Conference Proceedings
? Year: 1997
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/lnnn.1997.611631
? Scopus ID: 2-s2.0-0030691493
? Issn: 10987576
? Volume: 1
? Pages: 37-42
? Authors: Bozzo Riccardo; Sciutto Luca; Zunino Rodolfo

? Source Id: 110573
? Author Ids: 7006475772;6507924722;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bozzo R.

161.

? Title: Parallel architectures for vector quantization
? Venue: IEEE International Conference on Neural Networks Conference Proceedings
? Year: 1997
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/lnn.1997.616144
? Scopus ID: 2-s2.0-0030674689
? Issn: 10987576
? Volume: 2
? Pages: 899-903
? Authors: Ancona F.; Rovetta S.; Zunino R.
? Source Id: 110573
? Author Ids: 57195557700;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ancona F.

162.

? Title: Hardware implementation of the neural gas
? Venue: IEEE International Conference on Neural Networks Conference Proceedings
? Year: 1997
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/lnn.1997.616161
? Scopus ID: 2-s2.0-0030650887
? Issn: 10987576
? Volume: 2
? Pages: 991-994
? Authors: Ancona F.; Rovetta S.; Zunino R.
? Source Id: 110573
? Author Ids: 57195557700;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ancona F.

163.

? Title: Implementing probabilistic neural networks
? Venue: Neural Computing and Applications
? Year: 1997
? Type: Journal
? Subtype: Article
? Citations: 21
? Doi: 10.1007/Bf01413860
? Scopus ID: 2-s2.0-21744457566
? Issn: 09410643
? Volume: 5
? Issue: 3
? Pages: 152-159
? Authors: Ancona Fabio; Colla Anna Maria; Rovetta Stefano; Zunino Rodolfo
? Keywords: Digital neural processor | Generalisation | Hardware implementation | Probabilistic neural networks | Random optimisation

? Quartile:
2025:
? Software (Q1, rank 43, percentile 91)
? Artificial Intelligence (Q1, rank 57, percentile 88)
? Source Id: 24800
? Author Ids: 57195557700;8371953800;7003745558;7006338311
? Authoraffiliationids: 60025153;100352486;60025153;60025153
? Corresponding: Ancona F.

164.

? Title: An efficient technique for implementing an image-compression neural algorithm on concurrent multiprocessor architectures
? Venue: Engineering Applications of Artificial Intelligence
? Year: 1997
? Type: Journal
? Subtype: Article
? Citations: 2
? DOI: 10.1016/s0952-1976(97)00039-0
? Scopus ID: 2-s2.0-0031363974
? Issn: 09521976
? Volume: 10
? Issue: 6
? Pages: 573-580
? Authors: Ancona Fabio; Rovetta Stefano; Zunino Rodolfo
? Keywords: Experimental and theoretical results | Image compression | Neural networks | Parallel architectures
? Quartile:
2025:
? Control and Systems Engineering (Q1, rank 32, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 87, percentile 91)
? Artificial Intelligence (Q1, rank 66, percentile 86)
? Source Id: 24182
? Author Ids: 57195557700;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ancona F.

165.

? Title: Transputer-based implementation of distributed associative memories
? Venue: Parallel Computing
? Year: 1997
? Type: Journal
? Subtype: Article
? Citations: 0
? DOI: 10.1016/s0167-8191(97)00068-9
? Scopus ID: 2-s2.0-0031244839
? Issn: 01678191
? Volume: 23
? Issue: 10
? Pages: 1479-1491
? Authors: Ancona Fabio; Rovetta Stefano; Zunino Rodolfo
? Keywords: Distributed associative memory | Experimental results | Image-classification system | Parallel architecture | Transputer-based system
? Quartile:
2025:
? Theoretical Computer Science (Q1, rank 32, percentile 76)
? Computer Graphics and Computer-Aided Design (Q2, rank 35, percentile 73)

? Computer Networks and Communications (Q2, rank 151, percentile 72)
? Software (Q2, rank 165, percentile 67)
? Hardware and Architecture (Q2, rank 78, percentile 66)
? Artificial Intelligence (Q2, rank 171, percentile 65)
? Source Id: 26138
? Author Ids: 57195557700;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ancona F.

166.

? Title: Circular backpropagation networks for classification
? Venue: IEEE Transactions on Neural Networks
? Year: 1997
? Type: Journal
? Subtype: Article
? Citations: 115
? Doi: 10.1109/72.554194
? Scopus ID: 2-s2.0-0030817465
? Issn: 10459227
? Volume: 8
? Issue: 1
? Pages: 84-97
? Authors: Ridella Sandro; Rovetta Stefano; Zunino Rodolfo
? Keywords: Backpropagation | Feedforward neural networks | Knowledge representation | Pattern classification
? Source Id: 24243
? Author Ids: 7006643280;7003745558;7006338311
? Authoraffiliationids: 60000251-60025153;60025153;60000251-60025153
? Corresponding: Ridella S.

167.

? Title: Mixed analog-digital circuit for linear-time programmable sorting
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 1997
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Scopus ID: 2-s2.0-0030655082
? Issn: 02714310
? Volume: 3
? Pages: 1968-1971
? Authors: Oddone Giorgio; Rovetta Stefano; Uneddu Gianni; Zunino Rodolfo
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 6602631565;7003745558;6506291538;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Oddone G.

168.

? Title: VLSI architectures for programmable sorting of analog quantities with multiple-chip support
? Venue: Proceedings of the IEEE Great Lakes Symposium on VLSI
? Year: 1997
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 2
? Scopus ID: 2-s2.0-0030652696
? Issn: 10661395
? Pages: 94-99
? Authors: Ancona Fabio; Oddone Giorgio; Rovetta Stefano; Uneddu Gianni; Zunino Rodolfo
? Source Id: 26647
? Author Ids: 57195557700;6602631565;7003745558;6506291538;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Ancona F.

169.

? Title: Parallel VLSI architectures for cryptographic systems
? Venue: Proceedings of the IEEE Great Lakes Symposium on VLSI
? Year: 1997
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Scopus ID: 2-s2.0-0030652694
? Issn: 10661395
? Pages: 176-181
? Authors: Ancona Fabio; De Gloria Alessandro; Zunino Rodolfo
? Source Id: 26647
? Author Ids: 57195557700;7004620974;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ancona F.

170.

? Title: Concurrent VLSI architectures for vector quantization
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 1997
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-0030646976
? Issn: 02714310
? Volume: 3
? Pages: 2076-2079
? Authors: Ancona Fabio; Zunino Rodolfo
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 57195557700;7006338311
? Authoraffiliationids: 60025153;60025153
? Corresponding: Ancona F.

171.

? Title: Vector quantization circuit for trainable neural networks
? Venue: Proceedings of the IEEE International Conference on Electronics Circuits and Systems
? Year: 1996
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-0030360903
? Volume: 2
? Pages: 1131-1134

? Authors: Ancona Fabio; Oddone Giorgio; Rovetta Stefano; Uneddu Gianni; Zunino Rodolfo
? Quartile:
2025:
? Electrical and Electronic Engineering (Q4, rank 913, percentile 8)
? Source Id: 91096
? Author Ids: 57195557700;6602631565;7003745558;6506291538;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Ancona F.

172.

? Title: Stability and deadlock avoidance in distributed systems for traffic control
? Venue: IEEE Transactions on Vehicular Technology
? Year: 1996
? Type: Journal
? Subtype: Article
? Citations: 7
? Doi: 10.1109/25.543743
? Scopus ID: 2-s2.0-0030288147
? Issn: 00189545
? Volume: 45
? Issue: 4
? Pages: 732-743
? Authors: Parodi Giancarlo; Vernazza Gianni; Zunino Rodolfo
? Quartile:
2025:
? Aerospace Engineering (Q1, rank 5, percentile 97)
? Electrical and Electronic Engineering (Q1, rank 63, percentile 93)
? Automotive Engineering (Q1, rank 9, percentile 93)
? Computer Networks and Communications (Q1, rank 38, percentile 93)
? Source Id: 17393
? Author Ids: 7006518995;7005048304;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Parodi G.

173.

? Title: Distributed VLSI implementation of "fractal" cryptography
? Venue: Alta Frequenza Rivista Di Elettronica
? Year: 1996
? Type: Journal
? Subtype: Article
? Citations: 0
? Scopus ID: 2-s2.0-0030282135
? Issn: 11201908
? Volume: 8
? Issue: 6
? Pages: 38-41
? Authors: Ancona Fabio; De Gloria Alessandro; Zunino Rodolfo
? Source Id: 24118
? Author Ids: 57195557700;7004620974;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ancona F.

174.

? Title: Devices with optimal performances in tree architectures
? Venue: Alta Frequenza Rivista Di Elettronica
? Year: 1996
? Type: Journal

? Subtype: Article
? Citations: 2
? Scopus ID: 2-s2.0-0030233348
? Issn: 11201908
? Volume: 8
? Issue: 5
? Pages: 74-76
? Authors: Ancona Fabio; Rovetta Stefano; Zunino Rodolfo
? Source Id: 24118
? Author Ids: 57195557700;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ancona F.

175.

? Title: Enhanced WTA network with linear output and stable transimpedance
? Venue: Alta Frequenza Rivista Di Elettronica
? Year: 1996
? Type: Journal
? Subtype: Article
? Citations: 0
? Scopus ID: 2-s2.0-0030231650
? Issn: 11201908
? Volume: 8
? Issue: 5
? Pages: 71-73
? Authors: Ancona Fabio; Oddone Giorgio; Rovetta Stefano; Uneddu Gianni; Zunino Rodolfo
? Source Id: 24118
? Author Ids: 57195557700;6602631565;7003745558;6506291538;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Ancona F.

176.

? Title: Neural networks based visual tracking system
? Venue: Proceedings of International Workshop on Neural Networks for Identification Control Robotics and Signal Image Processing Nicrosp
? Year: 1996
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-0029751012
? Pages: 128-135
? Authors: Boni A.; Dolce A.; Rovetta S.; Zunino R.
? Source Id: 51489
? Author Ids: 35916687600;57190668199;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Boni A.

177.

? Title: Parallel approach to plastic neural gas
? Venue: IEEE International Conference on Neural Networks Conference Proceedings
? Year: 1996
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-0029749776
? Volume: 1
? Pages: 126-130

? Authors: Ancona Fabio; Rovetta Stefano; Zunino Rodolfo
? Source Id: 110573
? Author Ids: 57195557700;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ancona F.

178.

? Title: Limiting the effects of weight errors in feed forward networks using interval arithmetic
? Venue: IEEE International Conference on Neural Networks Conference Proceedings
? Year: 1996
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-0029748883
? Volume: 1
? Pages: 414-416
? Authors: Anguita Davide; Ridella Sandro; Rovetta Stefano; Zunino Rodolfo
? Source Id: 110573
? Author Ids: 7004764744;7006643280;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Anguita D.

179.

? Title: Interpolation approaches to vector quantization for image compression
? Venue: Neural Networks for Signal Processing Proceedings of the IEEE Workshop
? Year: 1996
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-0029703675
? Pages: 391-400
? Authors: Carrato Sergio; Passaggio Filippo; Rovetta Stefano; Zunino Rodolfo
? Source Id: 24241
? Author Ids: 7004596594;7801418745;7003745558;7006338311
? Authoraffiliationids: 60018363;60018363;60018363;60018363
? Corresponding: Carrato S.

180.

? Title: Adaptive internal representation in circular back-propagation networks
? Venue: Neural Computing Applications
? Year: 1995
? Type: Journal
? Subtype: Article
? Citations: 5
? Doi: 10.1007/Bf01414647
? Scopus ID: 2-s2.0-21844511090
? Issn: 09410643
? eISSN: 14333058
? Volume: 3
? Issue: 4
? Pages: 222-233
? Authors: Ridella S.; Rovetta S.; Zunino R.
? Keywords: Adaptive representation | Classification | Data analysis | Lyme disease | Multilayer perceptron | Prototypes
? Quartile:
2025:

? Software (Q1, rank 43, percentile 91)
? Artificial Intelligence (Q1, rank 57, percentile 88)
? Source Id: 24800
? Author Ids: 7006643280;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ridella S.

181.

? Title: Incorporating a priori knowledge into neural networks
? Venue: Electronics Letters
? Year: 1995
? Type: Journal
? Subtype: Article
? Citations: 4
? DOI: 10.1049/el:19951309
? Scopus ID: 2-s2.0-0029389181
? Issn: 00135194
? Volume: 31
? Issue: 22
? Pages: 1930-1931
? Authors: Anguita D.; Ridella S.; Rovetta S.; Zunino R.
? Keywords: Backpropagation | Multilayer perceptrons | Neural networks | Pattern classification
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 624, percentile 37)
? Source Id: 24918
? Author Ids: 7004764744;7006643280;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Anguita D.

182.

? Title: Shared-memory architecture to implement a high-connectivity processing node
? Venue: Electronics Letters
? Year: 1995
? Type: Journal
? Subtype: Article
? Citations: 5
? DOI: 10.1049/el:19951300
? Scopus ID: 2-s2.0-0029386861
? Issn: 00135194
? Volume: 31
? Issue: 22
? Pages: 1903-1904
? Authors: Ancona D.; Anguita D.; Rovetta S.; Zunino R.
? Keywords: Memory architecture | Transputers
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 624, percentile 37)
? Source Id: 24918
? Author Ids: 57194911302;7004764744;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Ancona D.

183.

? Title: Neural structures for visual motion tracking
? Venue: Machine Vision and Applications

? Year: 1995
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 9
 ? Doi: 10.1007/Bf01211489
 ? Scopus ID: 2-s2.0-0029536165
 ? Issn: 09328092
 ? eISSN: 14321769
 ? Volume: 8
 ? Issue: 5
 ? Pages: 275-288
 ? Authors: Anguita Davide; Parodi Giancarlo; Zunino Rodolfo
 ? Keywords: Motion tracking | Network ensembles | Neural networks | Real-time systems
 ? Quartile:
 2025:
 ? Computer Vision and Pattern Recognition (Q2, rank 52, percentile 69)
 ? Computer Science Applications (Q2, rank 376, percentile 61)
 ? Hardware and Architecture (Q2, rank 91, percentile 61)
 ? Software (Q2, rank 203, percentile 59)
 ? Source Id: 12984
 ? Author Ids: 7004764744;7006518995;7006338311
 ? Authoraffiliationids: 60025153;60025153;60025153
 ? Corresponding: Anguita D.

184.

? Title: Compact digital pseudorandom number generator
 ? Venue: Electronics Letters
 ? Year: 1995
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 7
 ? DOI: 10.1049/el:19950695
 ? Scopus ID: 2-s2.0-0029639465
 ? Issn: 00135194
 ? Volume: 31
 ? Issue: 12
 ? Pages: 956-958
 ? Authors: Anguita D.; Rovetta S.; Zunino R.
 ? Keywords: Random number generation
 ? Quartile:
 2025:
 ? Electrical and Electronic Engineering (Q3, rank 624, percentile 37)
 ? Source Id: 24918
 ? Author Ids: 7004764744;7003745558;7006338311
 ? Authoraffiliationids: 60025153;60025153;60025153
 ? Corresponding: Anguita D.

185.

? Title: Learning in large neural networks
 ? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
 ? Year: 1995
 ? Type: Book Series
 ? Subtype: Conference Paper
 ? Citations: 1
 ? DOI: 10.1007/BFb0046638_39

? Scopus ID: 2-s2.0-84957715046
? Issn: 03029743
? eISSN: 16113349
? Volume: 919
? Pages: 269-274
? Authors: Anguita Davide; Passaggio Filippo; Zunino Rodolfo
? Quartile:
2025:
? Theoretical Computer Science (Q3, rank 70, percentile 48)
? Computer Science (all) (Q3, rank 129, percentile 46)
? Source Id: 25674
? Author Ids: 7004764744;7801418745;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Anguita D.

186.

? Title: Digital neuroimplementations of visual motion-tracking systems
? Venue: Neural Networks for Signal Processing Proceedings of the IEEE Workshop
? Year: 1995
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Scopus ID: 2-s2.0-0029239415
? Pages: 571-580
? Authors: Colla Anna Maria; Trogu Luca; Zunino Rodolfo
? Source Id: 24241
? Author Ids: 8371953800;6504439539;7006338311
? Authoraffiliationids: 100352486;100352486;100352486
? Corresponding: Colla A.

187.

? Title: Validation of a large medical database
? Venue: Proceedings of the IEEE Symposium on Computer Based Medical Systems
? Year: 1995
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-0029232302
? Issn: 10637125
? Pages: 57-64
? Authors: Rovetta Guido; Monteforte Patrizia; Bianchi Gerolamo; Rovetta Stefano;
Zunino Rodolfo
? Quartile:
2025:
? Radiology, Nuclear Medicine and Imaging (Q3, rank 233, percentile 34)
? Computer Science Applications (Q3, rank 665, percentile 32)
? Source Id: 23681
? Author Ids: 7005171129;55894266100;57213188648;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Rovetta G.

188.

? Title: Prototyping neural networks learn lyme borreliosis
? Venue: Proceedings of the IEEE Symposium on Computer Based Medical Systems
? Year: 1995
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 2
? Scopus ID: 2-s2.0-0029225386
? Issn: 10637125
? Pages: 111-117
? Authors: Rovetta Stefano; Zunino Rodolfo; Buffrini Laura; Rovetta Guido
? Quartile:
2025:
? Radiology, Nuclear Medicine and Imaging (Q3, rank 233, percentile 34)
? Computer Science Applications (Q3, rank 665, percentile 32)
? Source Id: 23681
? Author Ids: 7003745558;7006338311;6603659951;7005171129
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Rovetta S.

189.

? Title: Neural approaches to the diagnosis and characterization of the lyme disease
? Venue: Proceedings of the IEEE Symposium on Computer Based Medical Systems
? Year: 1994
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-0028563216
? Issn: 10637125
? Pages: 194-199
? Authors: Bianchi G.; Buffrini L.; Monteforte P.; Rovetta G.; Rovetta S.; Zunino R.
? Quartile:
2025:
? Radiology, Nuclear Medicine and Imaging (Q3, rank 233, percentile 34)
? Computer Science Applications (Q3, rank 665, percentile 32)
? Source Id: 23681
? Author Ids: 57213188648;6603659951;55894266100;7005171129;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bianchi G.

190.

? Title: Class-Entropy minimisation networks for domain analysis and rule extraction
? Venue: Neural Computing Applications
? Year: 1994
? Type: Journal
? Subtype: Article
? Citations: 3
? Doi: 10.1007/Bf01423097
? Scopus ID: 2-s2.0-0040630146
? Issn: 09410643
? eISSN: 14333058
? Volume: 2
? Issue: 1
? Pages: 40-52
? Authors: Ridella Sandro; Speroni Gian Luca; Trebino Paolo; Zunino Rodolfo
? Keywords: Class Entropy Networks | Domain analysis | Lyme disease | Rule extraction | Supervised methods
? Quartile:
2025:
? Software (Q1, rank 43, percentile 91)
? Artificial Intelligence (Q1, rank 57, percentile 88)
? Source Id: 24800

? Author Ids: 7006643280;6701741192;6503920847;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Ridella S.

191.

? Title: An efficient implementation of BP on RISC-based workstations
? Venue: Neurocomputing
? Year: 1994
? Type: Journal
? Subtype: Article
? Citations: 24
? Doi: 10.1016/0925-2312(94)90034-5
? Scopus ID: 2-s2.0-0028378798
? Issn: 09252312
? Volume: 6
? Issue: 1
? Pages: 57-65
? Authors: Anguita D.; Parodi G.; Zunino R.
? Keywords: Backpropagation | matrix multiplication | neural computation | neural network implementation | Risc architecture
? Quartile:
2025:
? Cognitive Neuroscience (Q1, rank 10, percentile 92)
? Computer Science Applications (Q1, rank 124, percentile 87)
? Artificial Intelligence (Q1, rank 85, percentile 82)
? Source Id: 24807
? Author Ids: 7004764744;7006518995;7006338311
? Corresponding: Anguita D.

192.

? Title: Associative structures for vision
? Venue: Multidimensional Systems and Signal Processing
? Year: 1994
? Type: Journal
? Subtype: Article
? Citations: 5
? Doi: 10.1007/Bf00985864
? Scopus ID: 2-s2.0-0028262797
? Issn: 09236082
? eISSN: 15730824
? Volume: 5
? Issue: 1
? Pages: 75-96
? Authors: Anguita Davide; Parodi Giancarlo; Zunino Rodolfo
? Keywords: associative memories | integrative associative structures | neural networks | Robust computer vision | stimulus reponse
? Quartile:
2025:
? Applied Mathematics (Q1, rank 46, percentile 93)
? Signal Processing (Q1, rank 31, percentile 84)
? Computer Science Applications (Q1, rank 225, percentile 77)
? Software (Q1, rank 118, percentile 76)
? Information Systems (Q1, rank 118, percentile 76)
? Hardware and Architecture (Q1, rank 56, percentile 76)
? Artificial Intelligence (Q2, rank 135, percentile 72)
? Source Id: 12409

? Author Ids: 7004764744;7006518995;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Anguita D.

193.

? Title: Pruning and rule extraction using class entropy
? Venue: 1993 IEEE International Conference on Neural Networks
? Year: 1993
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-84943269332
? Pages: 250-256
? Authors: Ridella Sandro; Speroni Gianluca; Trebino Paolo; Zunino Rodolfo
? Source Id: 21100514244
? Author Ids: 7006643280;6701741192;6503920847;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Ridella S.

194.

? Title: A performance analysis of an associative system for image classification
? Venue: Pattern Recognition Letters
? Year: 1993
? Type: Journal
? Subtype: Article
? Citations: 6
? Doi: 10.1016/0167-8655(93)90149-8
? Scopus ID: 2-s2.0-0027882889
? Issn: 01678655
? Volume: 14
? Issue: 11
? Pages: 861-868
? Authors: Diaspro Alberto; Parodi Giancarlo; Zunino Rodolfo
? Keywords: Associative memory | image classification | performance analysis | robust computer vision
? Quartile:
2025:
? Signal Processing (Q1, rank 27, percentile 86)
? Computer Vision and Pattern Recognition (Q1, rank 29, percentile 83)
? Software (Q1, rank 112, percentile 77)
? Artificial Intelligence (Q1, rank 124, percentile 75)
? Source Id: 24825
? Author Ids: 7004555976;7006518995;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Diaspro A.

195.

? Title: Parallel implementation of associative memories for image classification
? Venue: Parallel Computing
? Year: 1993
? Type: Journal
? Subtype: Article
? Citations: 9
? Doi: 10.1016/0167-8191(93)90014-C
? Scopus ID: 2-s2.0-0027609378
? Issn: 01678191
? Volume: 19

? Issue: 6
? Pages: 667-684
? Authors: Pagano Fabrizio; Parodi Giancarlo; Zunino Rodolfo
? Keywords: Associative memory | experimental results | parallel implementation | real-time associative visual systems | transputer network
? Quartile:
2025:
? Theoretical Computer Science (Q1, rank 32, percentile 76)
? Computer Graphics and Computer-Aided Design (Q2, rank 35, percentile 73)
? Computer Networks and Communications (Q2, rank 151, percentile 72)
? Software (Q2, rank 165, percentile 67)
? Hardware and Architecture (Q2, rank 78, percentile 66)
? Artificial Intelligence (Q2, rank 171, percentile 65)
? Source Id: 26138
? Author Ids: 7006496170;7006518995;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Pagano F.

196.

? Title: Using chaos to generate keys for associative noise-like coding memories
? Venue: Neural Networks
? Year: 1993
? Type: Journal
? Subtype: Article
? Citations: 10
? Doi: 10.1016/S0893-6080(05)80059-0
? Scopus ID: 2-s2.0-0027313817
? Issn: 08936080
? Volume: 6
? Issue: 4
? Pages: 559-572
? Authors: Parodi Giancarlo; Ridella Sandro; Zunino Rodolfo
? Keywords: Associative memory | Chaos | Computer vision | Deterministic pseudorandom processing | Image classification | Key generation | Noise-like coding memory | Robust pattern processing
? Quartile:
2025:
? Cognitive Neuroscience (Q1, rank 11, percentile 91)
? Artificial Intelligence (Q1, rank 88, percentile 82)
? Source Id: 24804
? Author Ids: 7006518995;7006643280;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Parodi G.

197.

? Title: Associative noise-like coding memories for classification of biopolymers structures
? Venue: Proceedings of the Annual International Conference of the IEEE Engineering in Medicine and Biology Society EMBS
? Year: 1992
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/lembs.1992.5762073
? Scopus ID: 2-s2.0-85067208567
? Issn: 1557170x

- ? Volume: 5
? Pages: 1860-1861
? Authors: Diaspro Alberto; Zunino Rodolfo; Parodi Giancarlo
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 585, percentile 41)
? Source Id: 34202
? Author Ids: 59865399500;7006338311;7006518995
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Diaspro A.
198.
? Title: On the need for integrated approaches to image understanding
? Venue: European Transactions on Telecommunications
? Year: 1992
? Type: Journal
? Subtype: Article
? Citations: 3
? DOI: 10.1002/ett.4460030507
? Scopus ID: 2-s2.0-84985823805
? Issn: 1124318x
? eISSN: 15418251
? Volume: 3
? Issue: 5
? Pages: 465-478
? Authors: Moneta Carlo; Vernazza Gianni; Zunino Rodolfo
? Source Id: 18817
? Author Ids: 57163832400;7005048304;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Moneta C.
199.
? Title: A symbolic-neural classification system assisting the characterization of the lyme-disease
? Venue: Conference Proceedings IEEE International Conference on Systems Man and Cybernetics
? Year: 1992
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/lcsmc.1992.271788
? Scopus ID: 2-s2.0-84960470289
? Issn: 1062922x
? Volume: 1992-January
? Pages: 136-139
? Authors: Moneta Carlo; Zunino Rodolfo
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 643, percentile 35)
? Control and Systems Engineering (Q3, rank 257, percentile 32)
? Human-Computer Interaction (Q4, rank 155, percentile 19)
? Source Id: 145097
? Author Ids: 57163832400;7006338311
? Authoraffiliationids: 60025153;60025153
? Corresponding: Moneta C.
- 200.

? Title: Automated diagnosis and disease characterization using neural network analysis
? Venue: Conference Proceedings IEEE International Conference on Systems Man and Cybernetics
? Year: 1992
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 9
? Doi: 10.1109/lcsmc.1992.271790
? Scopus ID: 2-s2.0-84960433087
? Issn: 1062922x
? Volume: 1992-January
? Pages: 123-128
? Authors: Moneta Carlo; Parodi Giancarlo; Rovetta Stefano; Zunino Rodolfo
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 643, percentile 35)
? Control and Systems Engineering (Q3, rank 257, percentile 32)
? Human-Computer Interaction (Q4, rank 155, percentile 19)
? Source Id: 145097
? Author Ids: 57163832400;7006518995;7003745558;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Moneta C.

201.

? Title: An Integrated Associative Structure For Vision
? Venue: Proceedings of the International Joint Conference on Neural Networks
? Year: 1992
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/ljcnn.1992.227159
? Scopus ID: 2-s2.0-84911254454
? Volume: 3
? Pages: 291-296
? Authors: Cerrato Alberto; Parodi Giancarlo; Zunino Rodolfo
? Source Id: 96537
? Author Ids: 57748603100;7006518995;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Cerrato A.

202.

? Title: Distributed key-generation structures for associative image-classification
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 1992
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/lscas.1992.230203
? Scopus ID: 2-s2.0-84911254453
? Issn: 02714310
? Volume: 3
? Pages: 1549-1552
? Authors: Parodi Giancarlo; Ridella Sandro; Zunino Rodolfo
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)

? Source Id: 56190
? Author Ids: 7006518995;7006643280;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Parodi G.

203.

? Title: Speeding up scene recognition by using an associative noise-like coding memory
? Venue: Conference Proceedings Annual Phoenix Conference
? Year: 1991
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Scopus ID: 2-s2.0-0026120253
? Pages: 10-16
? Authors: Parodi Giancarlo; Regazzoni Carlo; Vernazza Gianni; Zunino Rodolfo
? Source Id: 63048
? Author Ids: 7006518995;35513672400;7005048304;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Parodi G.

204.

? Title: Transputer-based architectures for associative image classification
? Venue: Proceedings of the 3rd IEEE Symposium on Parallel and Distributed Processing
1991
? Year: 1991
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Spdp.1991.218273
? Scopus ID: 2-s2.0-85067179583
? Pages: 241-248
? Authors: Anguita D.; Parodi G.; Ponta D.; Zunino R.
? Source Id: 21100913126
? Author Ids: 7004764744;7006518995;6602172678;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Anguita D.

205.

? Title: Map-Driven Image Interpretation By Associative Model Indexing
? Venue: Proceedings of Iaprr Workshop on Machine Vision Applications Mva 1990
? Year: 1990
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Scopus ID: 2-s2.0-105016907170
? Pages: 385-388
? Authors: Foresti Gianluca; Murino Vittorio; Regazzoni Carlo S.; Zunino Rodolfo
? Source Id: 21101333580
? Author Ids: 7006427233;7006595496;35513672400;7006338311
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Foresti G.

206.

? Title: Image classification by using associative noise-like coding memories
? Venue: Conference Proceedings Annual Phoenix Conference
? Year: 1990
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 1
? DOI: 10.1109/pccc.1990.101603
? Scopus ID: 2-s2.0-0025661861
? Pages: 73-77
? Authors: Parodi Giancarlo; Zunino Rodolfo
? Source Id: 63048
? Author Ids: 7006518995;7006338311
? Authoraffiliationids: 60025153;60025153
? Corresponding: Parodi G.

207.

? Title: A Distributed Intelligence Methodology for Railway Traffic Control
? Venue: IEEE Transactions on Vehicular Technology
? Year: 1990
? Type: Journal
? Subtype: Article
? Citations: 37
? Doi: 10.1109/25.131008
? Scopus ID: 2-s2.0-0025472092
? Issn: 00189545
? eISSN: 19399359
? Volume: 39
? Issue: 3
? Pages: 263-270
? Authors: Vernazza Gianni; Zunino Rodolfo
? Quartile:
2025:
? Aerospace Engineering (Q1, rank 5, percentile 97)
? Electrical and Electronic Engineering (Q1, rank 63, percentile 93)
? Automotive Engineering (Q1, rank 9, percentile 93)
? Computer Networks and Communications (Q1, rank 38, percentile 93)
? Source Id: 17393
? Author Ids: 7005048304;7006338311
? Authoraffiliationids: 60025153;60025153
? Corresponding: Vernazza G.