

# GASTALDO PAOLO

## Overview

- ? Unit: ICT
- ? Role: Professore associato
- ? Grade: Prof.Associato Legge 240/10 - t.pieno - classe 2
- ? SSD: IINF-01/A (Elettronica)
- ? Scopus ID: 35612596100
- ? Unige Id: 700386
- ? Retrieved at: 2025-11-14T15:08:01.565265

## Contact

- ? Email: paolo.gastaldo@unige.it
- ? Page: <https://rubrica.unige.it/personale/UkNHWFJv>
- ? Locations: Opera Pia - padiglione D (ED161450401), 2° piano, US161450401.II.002

## Career

- ? Rm, 2012-05-01 ? 2016-11-29
- ? Rd, 2016-11-30 ? 2019-11-29
- ? Pa, 2019-12-01 ? 2222-02-02

## Teaching

### 2025

- ? Programmazione Dei Sistemi Elettronici (108694), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
- ? Architetture Dei Sistemi Elettronici (72303), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
- ? Sensors (114750), Lm-29 - Electronic Engineering
- ? Sensors (114750), Lm-29 - Electronic Engineering

### 2024

- ? Programmazione Dei Sistemi Elettronici (108694), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
- ? Architetture Dei Sistemi Elettronici (72303), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
- ? Sensors (114750), Lm-29 - Electronic Engineering
- ? Sensors (114750), Lm-29 - Electronic Engineering

### 2023

- ? Sensors (106787), Lm-29 - Ingegneria Elettronica
- ? Architetture Dei Sistemi Elettronici (72303), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
- ? Programmazione Dei Sistemi Elettronici (108694), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione

### 2022

- ? Sensors (106787), Lm-29 - Ingegneria Elettronica
- ? Architetture Dei Sistemi Elettronici (72303), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
- ? Laboratorio Di Informatica E Telematica (94721), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione

### 2021

- ? Sensors (106787), Lm-29 - Ingegneria Elettronica

? Architetture Dei Sistemi Elettronici (72303), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione

2020

? Sensor For Electronic Systems (86951), Lm-29 - Ingegneria Elettronica

? Architetture Dei Sistemi Elettronici (72303), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione

Scopus Metrics

? absolute; Docs: 137; Journals: 62; Conferences: 45; Citations: 2078; H-index: 23

? 15 years (2010-2025); Docs: 101; Journals: 52; Conferences: 31; Citations: 1732; H-index: 19

? 10 years (2015-2025); Docs: 81; Journals: 40; Conferences: 24; Citations: 873; H-index: 14

? 05 years (2020-2025); Docs: 61; Journals: 27; Conferences: 19; Citations: 312; H-index: 11

Scopus Products

1.

? Title: Searching Neural Architectures for Sensor Nodes on IoT Gateways

? Venue: IEEE Internet of Things Journal

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 0

? Doi: 10.1109/Jiot.2025.3581442

? Scopus ID: 2-s2.0-105008890174

? eISSN: 23274662

? Volume: 12

? Issue: 21

? Pages: 44492-44501

? Authors: Garavagno Andrea Mattia; Ragusa Edoardo; Frisoli Antonio; Gastaldo Paolo

? Keywords: Edge AI | Healthcare Internet of Things (HIoT) | Industrial Internet of Things (IIoT) | neural architecture search

? 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)

? Source Id: 21100338350

? Author Ids: 57890031900;56580248800;6603070041;35612596100

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

? Corresponding: Garavagno A.M.

2.

? Title: Real Time implementation of Artificial Intelligence compression algorithm for High-Speed Streaming Readout signals

? Venue: EPJ Web of Conferences

? Year: 2025

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? DOI: 10.1051/epjconf/202533701135

? Scopus ID: 2-s2.0-105019664430  
? Issn: 21016275  
? eISSN: 2100014X  
? Volume: 337  
? Authors: Rossi Fabio; Battaglieri Marco; Gavalian Gagik; Ragusa Edoardo; Gastaldo Paolo  
? Quartile:  
2025:  
? Physics and Astronomy (all) (Q4, rank 240, percentile 3)  
? Source Id: 21100227410  
? Author Ids: 58247851100;7004520678;35227304900;56580248800;35612596100  
? Authoraffiliationids: 60021660;60021660;115959761;60025153;60025153  
? Corresponding: Rossi F.

3.  
? Title: Special Issue on integration of machine learning and edge computing for next generation of smart wearable systems  
? Venue: Future Generation Computer Systems  
? Year: 2025  
? Type: Journal  
? Subtype: Editorial  
? Citations: 0  
? DOI: 10.1016/j.future.2024.107574  
? Scopus ID: 2-s2.0-85208314883  
? Issn: 0167739x  
? Volume: 164  
? Authors: Gastaldo Paolo; Ragusa Edoardo; Dosen Strahinja; Palmieri Francesco  
? Keywords: Deep learning | Edge computing | Machine learning  
? Quartile:  
2025:  
? Hardware and Architecture (Q1, rank 5, percentile 98)  
? Computer Networks and Communications (Q1, rank 15, percentile 97)  
? Software (Q1, rank 26, percentile 94)  
? Source Id: 12264  
? Author Ids: 35612596100;56580248800;23388778600;7103111550  
? Authoraffiliationids: 60025153;60025153;60022134;60007061  
? Corresponding: Gastaldo P.

4.  
? 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.

- 5.
- ? 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.

- 6.
- ? 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.

7.

? Title: Segmenting Object Affordances: Reproducibility and Sensitivity to Scale

? Venue: Lecture Notes in Computer Science

? Year: 2025

? Type: Book Series

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1007/978-3-031-92591-7\_18

? Scopus ID: 2-s2.0-105006932816

? Issn: 03029743

? eISSN: 16113349

? Volume: 15634 Lncs

? Pages: 286-304

? Authors: Apicella Tommaso; Xompero Alessio; Gastaldo Paolo; Cavallaro Andrea

? Keywords: Affordances | Benchmarking | Semantic segmentation

? Quartile:

2025:

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

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

? Source Id: 25674

? Author Ids: 57216366806;57192089357;35612596100;7103233230

? Authoraffiliationids: 60025153-60022109;60022109;60025153;60030109-60028186

? Corresponding: Apicella T.

8.

? Title: On-Device Neural Architecture Search

? Venue: Digest of Technical Papers IEEE International Conference on Consumer Electronics

? Year: 2025

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Icce63647.2025.10929801

? Scopus ID: 2-s2.0-105006580644

? Issn: 0747668x

? eISSN: 21591423

? Authors: Garavagno Andrea Mattia; Ragusa Edoardo; Gastaldo Paolo; Frisoli Antonio; Loconsole Claudio

? Keywords: Human-Machine Interfaces | Intelligent Fault Diagnosis | Neural Architecture Search | TinyML

? Quartile:

2025:

? Industrial and Manufacturing Engineering (Q3, rank 254, percentile 38)

? Electrical and Electronic Engineering (Q3, rank 659, percentile 34)

? Source Id: 26010

? Author Ids: 57890031900;56580248800;35612596100;6603070041;36195922700

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

? Corresponding: Garavagno A.M.

9.

? Title: Artificial Intelligence Data Reduction Algorithm for Streaming Readout in High Energy Physics Experiment

? Venue: Communications in Computer and Information Science

? Year: 2025

? Type: Book Series  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1007/978-3-031-85856-7\_5  
? Scopus ID: 2-s2.0-105003621453  
? Issn: 18650929  
? eISSN: 18650937  
? Volume: 2253 Ccis  
? Pages: 50-58  
? Authors: Rossi Fabio; Battaglieri Marco; Ragusa Edoardo; Gastaldo Paolo; Gavalian Gagik  
? Keywords: Artificial Intelligence | Data Reduction | High energy physics | Machine Learning | Streaming Readout  
? Quartile:  
2025:  
? Mathematics (all) (Q3, rank 287, percentile 30)  
? Computer Science (all) (Q4, rank 211, percentile 13)  
? Source Id: 17700155007  
? Author Ids: 58247851100;7004520678;56580248800;35612596100;35227304900  
? Authoraffiliationids: 60114732;60114732;60025153;60025153;60026908  
? Corresponding: Rossi F.

10.

? 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.

11.

? Title: An Affordable Hardware-Aware Neural Architecture Search for Deploying Convolutional Neural Networks on Ultra-Low-Power Computing Platforms  
? Venue: IEEE Sensors Letters  
? Year: 2024  
? Type: Journal  
? Subtype: Article  
? Citations: 8  
? Doi: 10.1109/Lsens.2024.3387056  
? Scopus ID: 2-s2.0-85190172188

? eISSN: 24751472  
? Volume: 8  
? Issue: 5  
? Pages: 1-4  
? Authors: Garavagno Andrea Mattia; Ragusa Edoardo; Frisoli Antonio; Gastaldo Paolo  
? Keywords: hardware-aware neural architecture search (HW-NAS) | Sensor applications | TinyML | ultra-low-power computing  
? Quartile:  
2025:  
? Instrumentation (Q2, rank 70, percentile 63)  
? Electrical and Electronic Engineering (Q2, rank 397, percentile 60)  
2024:  
? Instrumentation (Q2, rank 77, percentile 56)  
? Electrical and Electronic Engineering (Q2, rank 434, percentile 55)  
? Source Id: 21100976671  
? Author Ids: 57890031900;56580248800;6603070041;35612596100  
? Authoraffiliationids: 60025153-60028039;60025153;60028039;60025153  
? Corresponding: Garavagno A.M.

12.  
? 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.

13.  
? 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.

14.  
? Title: Combining Compressed Sensing and Neural Architecture Search for Sensor-Near Vibration Diagnostics  
? Venue: IEEE Transactions on Industrial Informatics  
? Year: 2024  
? Type: Journal  
? Subtype: Article  
? Citations: 8  
? Doi: 10.1109/Tii.2024.3395648  
? Scopus ID: 2-s2.0-85193296056  
? Issn: 15513203  
? eISSN: 19410050  
? Volume: 20  
? Issue: 8  
? Pages: 10488-10498  
? Authors: Ragusa Edoardo; Zonzini Federica; Gastaldo Paolo; De Marchi Luca  
? Keywords: Compressed sensing (CS) | neural architectural search (NAS) | tiny convolutional neural networks (CNNs) | vibration-based diagnostics  
? Quartile:  
2025:  
? Information Systems (Q1, rank 9, percentile 98)  
? Electrical and Electronic Engineering (Q1, rank 20, percentile 98)  
? Computer Science Applications (Q1, rank 22, percentile 97)  
? Control and Systems Engineering (Q1, rank 9, percentile 97)  
2024:  
? Control and Systems Engineering (Q1, rank 6, percentile 98)  
? Information Systems (Q1, rank 8, percentile 98)  
? Computer Science Applications (Q1, rank 16, percentile 98)  
? Electrical and Electronic Engineering (Q1, rank 19, percentile 98)  
? Source Id: 144912  
? Author Ids: 56580248800;57204769530;35612596100;57210976394  
? Authoraffiliationids: 60025153;60028218;60025153;60028218  
? Corresponding: Ragusa E.

15.  
? Title: Running hardware-Aware neural architecture search on embedded devices under

512MB of RAM

? Venue: Digest of Technical Papers IEEE International Conference on Consumer Electronics

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 8

? Doi: 10.1109/Icce59016.2024.10444268

? Scopus ID: 2-s2.0-85187004558

? Issn: 0747668x

? eISSN: 21591423

? Authors: Garavagno Andrea Mattia; Ragusa Edoardo; Frisoli Antonio; Gastaldo Paolo

? Keywords: Hardware Aware Neural Architecture Search | Internet of Things | TinyML | Wearable Robotics

? Quartile:

2025:

? Industrial and Manufacturing Engineering (Q3, rank 254, percentile 38)

? Electrical and Electronic Engineering (Q3, rank 659, percentile 34)

2024:

? Industrial and Manufacturing Engineering (Q3, rank 238, percentile 40)

? Electrical and Electronic Engineering (Q3, rank 623, percentile 35)

? Source Id: 26010

? Author Ids: 57890031900;56580248800;6603070041;35612596100

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

? Corresponding: Garavagno A.M.

16.

? Title: Evaluating the Effect of Intrinsic Sensor Noise for Vibration Diagnostic in the Compressed Domain Using Convolutional Neural Networks

? Venue: Lecture Notes in Electrical Engineering

? Year: 2024

? Type: Book Series

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1007/978-3-031-48121-5\_15

? Scopus ID: 2-s2.0-85184116173

? Issn: 18761100

? eISSN: 18761119

? Volume: 1110 Lnee

? Pages: 103-108

? Authors: Zonzini Federica; Ragusa Edoardo; De Marchi Luca; Gastaldo Paolo

? Keywords: CNNs | Compressed sensing | Intrinsic accelerometer noise | Structural health monitoring | Vibration analysis

? 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: 57204769530;56580248800;57210976394;35612596100

? Authoraffiliationids: 60028218;60025153;60028218;60025153

? Corresponding: Zonzini F.

17.

? Title: Alessandro De Gloria, a Pioneer in Electronic Engineering Applications

? Venue: Lecture Notes in Electrical Engineering

? Year: 2024  
? Type: Book Series  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1007/978-3-031-48121-5\_1  
? Scopus ID: 2-s2.0-85184097329  
? Issn: 18761100  
? eISSN: 18761119  
? Volume: 1110 Lnee  
? Pages: 3-11  
? Authors: Bellotti Francesco; Bricco Elisa; Bruzzone Agostino; Caviglia Daniele; Di Zitti Ermanno; Gastaldo Paolo; Grosso Daniele; Magnani Lauro; Olivieri Mauro; Raggio Marco; Valle Maurizio; Verri Alessandro; Berta Riccardo  
? Keywords: Cultural heritage | Electronic engineering | Electronic system applications | Embedded systems | Higher education | Machine learning | Virtual reality  
? 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: 55890888700;26033809300;7003901555;7004012654;6603663623;35612596100;571923949;55548461500;57794378700;8573253200;57197744325;57193129975;6701751695  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153  
? Corresponding: Bellotti F.

18.  
? 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.

19.  
? Title: Digital Architecture for the n-mode Tensor-Matrix Multiplication Based on Pipelined Computing Units

- ? 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/Icecs61496.2024.10848931  
? Scopus ID: 2-s2.0-105001476791  
? Issn: 29945755  
? eISSN: 29950589  
? Authors: Ragusa Edoardo; Gianoglio Christian; Valle Maurizio; Gastaldo Paolo  
? Keywords: Digital Architectures | Low-Power | Multidimensional Array | Tensors  
? 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;56580140000;57197744325;35612596100  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Ragusa E.
20.  
? Title: Semiquantitative Determination of Thiocyanate in Saliva Through Colorimetric Assays: Design of CNN Architecture via Input-Aware NAS  
? Venue: IEEE Sensors Journal  
? Year: 2023  
? Type: Journal  
? Subtype: Article  
? Citations: 3  
? Doi: 10.1109/Jsen.2023.3325545  
? Scopus ID: 2-s2.0-85176381838  
? Issn: 1530437x  
? eISSN: 15581748  
? Volume: 23  
? Issue: 23  
? Pages: 29869-29876  
? Authors: Taccioli Tommaso; Ragusa Edoardo; Pomili Tania; Gastaldo Paolo; Pompa Pier Paolo  
? Keywords: Colorimetric test | convolutional neural networks (CNNs) | neural architecture search (NAS) | point-of-care (POC) | saliva | smart sensor  
? 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: 57388797900;56580248800;57220960577;35612596100;7003705815  
? Authoraffiliationids: 60102151;60025153;60102151;60025153;60102151  
? Corresponding: Taccioli T.
21.  
? 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.

22.

? Title: Analysis of LPWAN: Cyber-security vulnerabilities and privacy issues in LoRaWAN, Sigfox, and NB-IoT  
? Venue: Low Power Wide Area Networks Opportunities Challenges Risks and Threats  
? Year: 2023  
? Type: Book  
? Subtype: Book Chapter  
? Citations: 8  
? Doi: 10.1007/978-3-031-32935-7\_5  
? Scopus ID: 2-s2.0-85188636862  
? Pages: 139-170  
? Authors: Qadir Junaid; Cabus Jos^; Eduardo Urrea; Butun Ismail; Lagerström Robert; Gastaldo Paolo; Caviglia Daniele D.  
? Source Id: 21101224037  
? Author Ids: 57213299572;57822628900;35316899700;16480220100;35612596100;7004012654  
? Authoraffiliationids: 60025153;60002014;60002014;60002014;60025153;60025153  
? Corresponding: Qadir J.

23.

? Title: Vibration Monitoring in the Compressed Domain With Energy-Efficient Sensor Networks  
? Venue: IEEE Sensors Letters  
? Year: 2023  
? Type: Journal  
? Subtype: Article  
? Citations: 7  
? Doi: 10.1109/Lsens.2023.3300804  
? Scopus ID: 2-s2.0-85166756736  
? eISSN: 24751472

- ? Volume: 7  
? Issue: 8  
? Authors: Ragusa Edoardo; Zonzini Federica; De Marchi Luca; Gastaldo Paolo  
? Keywords: compressed sensing (CS) | on-sensor feature extraction | Sensor applications | vibration monitoring  
? Quartile:  
2025:  
? Instrumentation (Q2, rank 70, percentile 63)  
? Electrical and Electronic Engineering (Q2, rank 397, percentile 60)  
2023:  
? Electrical and Electronic Engineering (Q2, rank 377, percentile 52)  
? Instrumentation (Q3, rank 72, percentile 49)  
? Source Id: 21100976671  
? Author Ids: 56580248800;57204769530;57210976394;35612596100  
? Authoraffiliationids: 60025153;60028218;60028218;60025153  
? Corresponding: Ragusa E.
24.  
? Title: Data augmentation for speech separation  
? Venue: Speech Communication  
? Year: 2023  
? Type: Journal  
? Subtype: Article  
? Citations: 16  
? DOI: 10.1016/j.specom.2023.05.009  
? Scopus ID: 2-s2.0-85162220559  
? Issn: 01676393  
? Volume: 152  
? Authors: Alex Ashish; Wang Lin; Gastaldo Paolo; Cavallaro Andrea  
? Keywords: Data augmentation | Deep learning | Domain generalization | Speech separation  
? Quartile:  
2025:  
? Language and Linguistics (Q1, rank 34, percentile 97)  
? Linguistics and Language (Q1, rank 38, percentile 96)  
? Communication (Q1, rank 43, percentile 92)  
? Modeling and Simulation (Q1, rank 45, percentile 88)  
? Computer Vision and Pattern Recognition (Q1, rank 35, percentile 79)  
? Computer Science Applications (Q1, rank 241, percentile 75)  
? Software (Q2, rank 129, percentile 74)  
2023:  
? Language and Linguistics (Q1, rank 25, percentile 97)  
? Linguistics and Language (Q1, rank 29, percentile 97)  
? Communication (Q1, rank 46, percentile 91)  
? Modeling and Simulation (Q1, rank 38, percentile 88)  
? Computer Vision and Pattern Recognition (Q1, rank 27, percentile 75)  
? Computer Science Applications (Q2, rank 206, percentile 74)  
? Software (Q2, rank 113, percentile 72)  
? Source Id: 23671  
? Author Ids: 57547397000;58457073800;35612596100;7103233230  
? Authoraffiliationids: 60022109;60022109;60025153;60022109  
? Corresponding: Alex A.
25.  
? Title: Trade-off Between Accuracy and Computational Cost With Neural Architecture Search: A Novel Strategy for Tactile Sensing Design

? Venue: IEEE Sensors Letters  
? Year: 2023  
? Type: Journal  
? Subtype: Article  
? Citations: 12  
? Doi: 10.1109/Lsens.2023.3273733  
? Scopus ID: 2-s2.0-85159800531  
? eISSN: 24751472  
? Volume: 7  
? Issue: 5  
? Authors: Gianoglio Christian; Ragusa Edoardo; Gastaldo Paolo; Valle Maurizio  
? Keywords: convolutional neural networks (CNNs) | neural architecture search (NAS) | Sensor applications | smart sensors | tactile systems | touch modality classification  
? Quartile:  
2025:  
? Instrumentation (Q2, rank 70, percentile 63)  
? Electrical and Electronic Engineering (Q2, rank 397, percentile 60)  
2023:  
? Electrical and Electronic Engineering (Q2, rank 377, percentile 52)  
? Instrumentation (Q3, rank 72, percentile 49)  
? Source Id: 21100976671  
? Author Ids: 56580140000;56580248800;35612596100;57197744325  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Gianoglio C.

26.

? 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.

27.

? Title: Selecting Language Models Features VIA Software-Hardware Co-Design  
? Venue: ICASSP IEEE International Conference on Acoustics Speech and Signal Processing Proceedings  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Icassp49357.2023.10097191  
? Scopus ID: 2-s2.0-86000382999  
? Issn: 15206149  
? Volume: 2023-June  
? Authors: Pandelea Vlad; Ragusa Edoardo; Gastaldo Paolo; Cambria Erik  
? Keywords: Edge Computing | Evaluation Methodologies | Language Models | Opinion Mining / Sentiment Analysis  
? Source Id: 110544  
? Author Ids: 57214094763;56580248800;35612596100;56140547500  
? Authoraffiliationids: 60005510;60025153;60025153;60005510  
? Corresponding: Pandelea V.

28.

? Title: Affordance segmentation of hand-occluded containers from exocentric images  
? Venue: Proceedings 2023 IEEE Cvf International Conference on Computer Vision Workshops Iccvw 2023  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Iccvw60793.2023.00204  
? Scopus ID: 2-s2.0-85182921732  
? Pages: 1890-1899  
? Authors: Apicella Tommaso; Xompero Alessio; Ragusa Edoardo; Berta Riccardo; Cavallaro Andrea; Gastaldo Paolo  
? Keywords: Affordances | Computer vision | Convolutional Neural Networks | Hand occlusion  
? Source Id: 21101197267  
? Author Ids: 57216366806;57192089357;56580248800;6701751695;7103233230;35612596100  
? Authoraffiliationids: 60025153-60022109;60022109;60025153;60025153;60022109-130746711-60028186;60025153  
? Corresponding: Apicella T.

29.

? Title: A hardware-aware neural architecture search algorithm targeting low-end microcontrollers  
? Venue: Prime 2023 18th International Conference on Ph D Research in Microelectronics and Electronics Proceedings  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Doi: 10.1109/Prime58259.2023.10161736  
? Scopus ID: 2-s2.0-85165096936  
? Pages: 281-284  
? Authors: Garavagno Andrea Mattia; Ragusa Edoardo; Frisoli Antonio; Gastaldo Paolo  
? Keywords: Hardware Aware Neural Architecture Search | Lightweight Convolutional Neural Networks | Microcontrollers | TinyML | Visual Wake Words

- ? Source Id: 21101164803  
? Author Ids: 57890031900;56580248800;6603070041;35612596100  
? Authoraffiliationids: 60025153-60028039;60025153;60028039;60025153  
? Corresponding: Garavagno A.M.
- 30.
- ? Title: Mitigating Cyber Attacks in LoRaWAN via Lightweight Secure Key Management Scheme  
? Venue: IEEE Access  
? Year: 2023  
? Type: Journal  
? Subtype: Article  
? Citations: 8  
? Doi: 10.1109/Access.2023.3291420  
? Scopus ID: 2-s2.0-85164415741  
? eISSN: 21693536  
? Volume: 11  
? Pages: 68301-68315  
? Authors: Qadir Junaid; Butun Ismail; Gastaldo Paolo; Aiello Orazio; Caviglia Daniele D.  
? Keywords: ECDH | key derivation | key exchanging | LoRa | LoRaWAN | security | security enhancement  
? 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)  
2023:  
? Engineering (all) (Q1, rank 23, percentile 92)  
? Computer Science (all) (Q1, rank 29, percentile 87)  
? Materials Science (all) (Q1, rank 77, percentile 83)
- ? Source Id: 21100374601  
? Author Ids: 57213299572;35316899700;35612596100;57212143527;7004012654  
? Authoraffiliationids: 60002014-60025153;60002014-60197889;60025153;60025153;60025153  
? Corresponding: Qadir J.
- 31.
- ? Title: Review of Security Vulnerabilities in LoRaWAN  
? Venue: Lecture Notes in Electrical Engineering  
? Year: 2023  
? Type: Book Series  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1007/978-3-031-30333-3\_33  
? Scopus ID: 2-s2.0-85161467907  
? Issn: 18761100  
? eISSN: 18761119  
? Volume: 1036 Lnee  
? Pages: 248-254  
? Authors: Qadir Junaid; Butun Ismail; Gastaldo Paolo; Caviglia Daniele D.  
? Keywords: Authenticity | Bibliometric | Confidentiality | Integrity | IoT | LoRaWAN | Security | Vulnerability  
? 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: 57213299572;35316899700;35612596100;7004012654  
? Authoraffiliationids: 60025153;6002014;60025153;60025153  
? Corresponding: Qadir J.
- 32.
- ? 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.
- 33.
- ? 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.
- 34.
- ? 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.
- 35.
- ? Title: Toward hardware-aware deep-learning-based dialogue systems
  - ? Venue: Neural Computing and Applications
  - ? Year: 2022
  - ? Type: Journal
  - ? Subtype: Article
  - ? Citations: 6
  - ? DOI: 10.1007/s00521-020-05530-1
  - ? Scopus ID: 2-s2.0-85099088357
  - ? Issn: 09410643
  - ? eISSN: 14333058
  - ? Volume: 34
  - ? Issue: 13
  - ? Pages: 10397-10408
  - ? Authors: Pandelea Vlad; Ragusa Edoardo; Young Tom; Gastaldo Paolo; Cambria Erik
  - ? Keywords: Artificial intelligence | Dialogue systems | Natural language processing
  - ? Quartile:

2025:

- ? Software (Q1, rank 43, percentile 91)
- ? Artificial Intelligence (Q1, rank 57, percentile 88)

2022:

- ? Software (Q1, rank 47, percentile 88)
- ? Artificial Intelligence (Q1, rank 48, percentile 84)

? Source Id: 24800

? Author Ids: 57214094763;56580248800;57203267719;35612596100;56140547500

? Authoraffiliationids: 60078616;60025153;60078616;60025153;60078616

? Corresponding: Pandelea V.

36.

? Title: Enhancing Cyber Security of LoRaWAN Gateways under Adversarial Attacks

? Venue: Sensors

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 15

? DOI: 10.3390/s22093498

? Scopus ID: 2-s2.0-85129417067

? Issn: 14248220

? Volume: 22

? Issue: 9

? Authors: Mohamed Ali; Wang Franz; Butun Ismail; Qadir Junaid; Lagerstr m Robert; Gastaldo Paolo; Caviglia Daniele D.

? Keywords: attacks | authentication | cybersecurity | gateway | LoRaWAN | security | vulnerabilities

? 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)

2022:

? Instrumentation (Q1, rank 18, percentile 87)

? Electrical and Electronic Engineering (Q1, rank 146, percentile 80)

? Atomic and Molecular Physics, and Optics (Q1, rank 47, percentile 77)

? Analytical Chemistry (Q1, rank 32, percentile 77)

? Information Systems (Q1, rank 87, percentile 77)

? Biochemistry (Q2, rank 151, percentile 64)

? Source Id: 130124

? Author Ids:

58280649200;57667041700;35316899700;15058218600;16480220100;35612596100;7004012654

? Authoraffiliationids: 60000990;60000990;60000990-60106535-60002014;60002014-60025153;60002014;60025153;60025153

? Corresponding: Mohamed A.

37.

? 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.

38.

? 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.

39.

? Title: Towards Smart Sensing Systems: A New Approach to Environmental Monitoring Systems by Using LoRaWAN  
? Venue: 2022 IEEE Zooming Innovation in Consumer Technologies Conference Zinc 2022  
? Year: 2022  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 6  
? Doi: 10.1109/Zinc55034.2022.9840717  
? Scopus ID: 2-s2.0-85136399629  
? Pages: 176-181  
? Authors: Qadir Junaid; Butun Ismail; Lagerstrom Robert; Gastaldo Paolo; Caviglia Daniele D.  
? Keywords: IoT | LoRa | LoRaWAN | LP-WAN | Monitoring | Sensing | Sensors  
? Source Id: 21101102144  
? Author Ids: 15058218600;35316899700;16480220100;35612596100;7004012654  
? Authoraffiliationids: 60002014-60025153;60002014;60002014;60025153;60025153  
? Corresponding: Qadir J.

40.

? Title: A Data-Driven Method for Reliability Estimation of Auxiliary Power Consumption Prediction in Commercial Electric Vehicles  
? Venue: Lecture Notes in Electrical Engineering  
? Year: 2022  
? Type: Book Series  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1007/978-3-030-95498-7\_12

? Scopus ID: 2-s2.0-85128756334  
? Issn: 18761100  
? eISSN: 18761119  
? Volume: 866 Lnee  
? Pages: 86-92  
? Authors: Apicella Tommaso; Ragusa Edoardo; Canepa Alessio; Gastaldo Paolo  
? Keywords: BEV | Data-driven | ePTO | Reliability score  
? Quartile:  
2025:  
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)  
2022:  
? Industrial and Manufacturing Engineering (Q4, rank 295, percentile 17)  
? Source Id: 19700186822  
? Author Ids: 57216366806;56580248800;7004014399;35612596100  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Apicella T.

41.  
? Title: Container Localisation And Mass Estimation With An Rgb-D Camera  
? Venue: ICASSP IEEE International Conference on Acoustics Speech and Signal Processing Proceedings  
? Year: 2022  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 6  
? Doi: 10.1109/Icassp43922.2022.9747134  
? Scopus ID: 2-s2.0-85126945611  
? Issn: 15206149  
? Volume: 2022-May  
? Pages: 9152-9155  
? Authors: Apicella Tommaso; Slavic Giulia; Ragusa Edoardo; Gastaldo Paolo; Marcenaro Lucio  
? Keywords: Convolutional Neural Networks | Mass estimation | Object detection  
? Source Id: 110544  
? Author Ids: 57216366806;57218159779;56580248800;35612596100;6603377664  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153  
? Corresponding: Apicella T.

42.  
? Title: A Novel Learning Strategy for the Trade-Off between Accuracy and Computational Cost: A Touch Modalities Classification Case Study  
? Venue: IEEE Sensors Journal  
? Year: 2022  
? Type: Journal  
? Subtype: Article  
? Citations: 16  
? Doi: 10.1109/Jsen.2021.3129323  
? Scopus ID: 2-s2.0-85120033492  
? Issn: 1530437x  
? eISSN: 15581748  
? Volume: 22  
? Issue: 1  
? Pages: 659-670  
? Authors: Gianoglio Christian; Ragusa Edoardo; Gastaldo Paolo; Valle Maurizio  
? Keywords: Artificial intelligence for embedded devices | Loss function | Tactile sensing systems

? Quartile:

2025:

? Instrumentation (Q1, rank 27, percentile 85)

? Electrical and Electronic Engineering (Q1, rank 175, percentile 82)

2022:

? Instrumentation (Q1, rank 14, percentile 90)

? Electrical and Electronic Engineering (Q1, rank 139, percentile 81)

? Source Id: 15047

? Author Ids: 56580140000;56580248800;35612596100;57197744325

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Gianoglio C.

43.

? 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.

44.

? Title: Online predictive maintenance monitoring adopting convolutional neural networks

? Venue: Energies

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 14

? DOI: 10.3390/en14154711

? Scopus ID: 2-s2.0-85112043577

? eISSN: 19961073

? Volume: 14

? Issue: 15

? Authors: Gianoglio Christian; Ragusa Edoardo; Gastaldo Paolo; Gallesi Federico; Guastavino Francesco

? Keywords: Convolutional neural networks | 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)

2021:

? Control and Optimization (Q1, rank 18, percentile 85)

? Engineering (miscellaneous) (Q1, rank 19, percentile 83)

? Subject (Q1, rank 51, percentile 76)

? Energy (miscellaneous) (Q2, rank 10, percentile 72)

? Electrical and Electronic Engineering (Q2, rank 201, percentile 71)

? Energy Engineering and Power Technology (Q2, rank 73, percentile 69)

? Fuel Technology (Q2, rank 38, percentile 65)

? Renewable Energy, Sustainability and the Environment (Q2, rank 90, percentile 58)

? Source Id: 62932

? Author Ids: 56580140000;56580248800;35612596100;57215699439;7006692709

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

? Corresponding: Gianoglio C.

45.

? Title: Emotion recognition on edge devices: Training and deployment

? Venue: Sensors

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 9

? DOI: 10.3390/s21134496

? Scopus ID: 2-s2.0-85108880961

? Issn: 14248220

? Volume: 21

? Issue: 13

? Authors: Pandelea Vlad; Ragusa Edoardo; Apicella Tommaso; Gastaldo Paolo; Cambria Erik

? Keywords: Deep learning | Embedded systems | Emotion recognition

? 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: 57214094763;56580248800;57216366806;35612596100;56140547500  
? Authoraffiliationids: 60078616;60025153;60025153;60025153;60078616  
? Corresponding: Pandelea V.

46.

? 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.

47.

? 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.

48.

? 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.

49.  
? Title: Mixup Augmentation for Generalizable Speech Separation  
? Venue: IEEE 23rd International Workshop on Multimedia Signal Processing Mmsp 2021  
? Year: 2021  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Doi: 10.1109/Mmsp53017.2021.9733591  
? Scopus ID: 2-s2.0-85126970192  
? Authors: Alex Ashish; Wang Lin; Gastaldo Paolo; Cavallaro Andrea  
? Keywords: Domain generalization | Speech enhancement | Speech separation  
? Source Id: 21101083136  
? Author Ids: 57547397000;58457073800;35612596100;7103233230  
? Authoraffiliationids: 60022109;60022109;60025153;60022109  
? Corresponding: Alex A.

50.  
? Title: An Affordance Detection Pipeline for Resource-Constrained Devices  
? Venue: 2021 28th IEEE International Conference on Electronics Circuits and Systems  
Icecs 2021 Proceedings  
? Year: 2021  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 7  
? Doi: 10.1109/Icecs53924.2021.9665447  
? Scopus ID: 2-s2.0-85124616513

? Authors: Apicella Tommaso; Cavallaro Andrea; Berta Riccardo; Gastaldo Paolo; Bellotti Francesco; Ragusa Edoardo  
? Keywords: affordance detection | CNNs | object detection | resource-constrained  
? Source Id: 21101075833  
? Author Ids: 57216366806;7103233230;6701751695;35612596100;55890888700;56580248800  
? Authoraffiliationids: 60025153-60022109;60022109;60025153;60025153;60025153;60025153  
? Corresponding: Apicella T.

51.

? 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.

52.

? Title: Hardware-Aware Affordance Detection for Application in Portable Embedded Systems  
? Venue: IEEE Access  
? Year: 2021  
? Type: Journal  
? Subtype: Article  
? Citations: 17  
? Doi: 10.1109/Access.2021.3109733  
? Scopus ID: 2-s2.0-85114728472  
? eISSN: 21693536  
? Volume: 9  
? Pages: 123178-123193  
? Authors: Ragusa Edoardo; Gianoglio Christian; Dosen Strahinja; Gastaldo Paolo  
? Keywords: Affordance prediction | CNNs | embedded systems | prosthetics  
? 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)  
2021:  
? Engineering (all) (Q1, rank 28, percentile 90)  
? Computer Science (all) (Q1, rank 34, percentile 85)  
? Subject (Q1, rank 124, percentile 82)  
? Materials Science (all) (Q1, rank 104, percentile 77)  
? Source Id: 21100374601  
? Author Ids: 56580248800;56580140000;23388778600;35612596100  
? Authoraffiliationids: 60025153;60025153;60022134;60025153  
? Corresponding: Ragusa E.

53.

- ? Title: Video Grasping Classification Enhanced with Automatic Annotations
- ? Venue: Lecture Notes in Electrical Engineering
- ? Year: 2021
- ? Type: Book Series
- ? Subtype: Conference Paper
- ? Citations: 2
- ? Doi: 10.1007/978-3-030-66729-0\_3
- ? Scopus ID: 2-s2.0-85101757927
- ? Issn: 18761100
- ? eISSN: 18761119
- ? Volume: 738
- ? Pages: 23-29
- ? Authors: Ragusa Edoardo; Gianoglio Christian; Dalmonte Filippo; Gastaldo Paolo
- ? Keywords: CNNs | Embedded systems | Grasping classification | Prosthetics
- ? Quartile:
  - 2025:
    - ? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
  - 2021:
    - ? Industrial and Manufacturing Engineering (Q4, rank 280, percentile 17)
- ? Source Id: 19700186822
- ? Author Ids: 56580248800;56580140000;57222170034;35612596100
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153
- ? Corresponding: Ragusa E.

54.

- ? Title: COAL: Convolutional Online Adaptation Learning for Opinion Mining
- ? Venue: IEEE International Conference on Data Mining Workshops Icdmw
- ? Year: 2020
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 2
- ? Doi: 10.1109/Icdmw51313.2020.00012
- ? Scopus ID: 2-s2.0-85098765711
- ? Issn: 23759232
- ? eISSN: 23759259
- ? Volume: 2020-November
- ? Pages: 15-22
- ? Authors: Chaturvedi Iti; Ragusa Edoardo; Gastaldo Paolo; Cambria Erik
- ? Keywords: Domain Adaptation | Online SVM | Sentiment Prediction
- ? Quartile:
  - 2025:
    - ? Computer Science Applications (Q3, rank 648, percentile 33)
    - ? Software (Q3, rank 343, percentile 31)
- ? Source Id: 21100398701
- ? Author Ids: 12646151300;56580248800;35612596100;56140547500
- ? Authoraffiliationids: 60019870;60025153;60025153;60078616
- ? Corresponding: Chaturvedi I.

55.

- ? 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.

56.  
? 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.

57.  
? 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.

58.

? 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/IJCNN48605.2020.9206826  
? 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.

59.

? 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.
- 60.
- ? 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; Bruzzone 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.
- 61.
- ? Title: Unsupervised Monitoring System for Predictive Maintenance of High Voltage Apparatus
  - ? Venue: Lecture Notes in Electrical Engineering
  - ? Year: 2020
  - ? Type: Book Series
  - ? Subtype: Conference Paper
  - ? Citations: 0
  - ? Doi: 10.1007/978-3-030-37277-4\_35
  - ? Scopus ID: 2-s2.0-85083298062

? Issn: 18761100  
? eISSN: 18761119  
? Volume: 627  
? Pages: 301-307  
? Authors: Gianoglio Christian; Bruzzone Andrea; Ragusa Edoardo; Gastaldo Paolo  
? Keywords: Embedded systems | Partial discharges | Predictive maintenance  
? Quartile:  
2025:  
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)  
2020:  
? Industrial and Manufacturing Engineering (Q4, rank 268, percentile 20)  
? Source Id: 19700186822  
? Author Ids: 56580140000;58402050900;56580248800;35612596100  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Gianoglio C.

62.

? 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.

63.

? 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.

64.

? 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.
- 65.
- ? Title: Tensor based algorithm for automatic partial discharges pattern classification
  - ? Venue: 2019 21st European Conference on Power Electronics and Applications EPE 2019 Ecce Europe
  - ? Year: 2019
  - ? Type: Conference Proceeding
  - ? Subtype: Conference Paper
  - ? Citations: 5
  - ? Doi: 10.23919/Epe.2019.8915039
  - ? Scopus ID: 2-s2.0-85076701659
  - ? Authors: Gianoglio Christian; Ragusa Edoardo; Bruzzone Andrea; Gastaldo Paolo; Torello Eugenia; Guastavino Francesco
  - ? Keywords: Artificial Intelligence | Diagnostics | Insulation | Noise
  - ? Source Id: 21100939561
  - ? Author Ids: 56580140000;56580248800;58402050900;35612596100;6701506640;7006692709
  - ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
  - ? Corresponding: Gianoglio C.
- 66.
- ? 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.

67.  
? 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.

68.  
? Title: Active haptic perception in robots: A review

- ? Venue: Frontiers in Neurorobotics  
? Year: 2019  
? Type: Journal  
? Subtype: Review  
? Citations: 67  
? DOI: 10.3389/fnbot.2019.00053  
? Scopus ID: 2-s2.0-85083964448  
? eISSN: 16625218  
? Volume: 13  
? Authors: Seminara Lucia; Gastaldo Paolo; Watt Simon J.; Valyear Kenneth F.; Zuher Fernando; Mastrogiovanni Fulvio  
? Keywords: Active touch | Exploration | Haptic perception | Humans and robots | Robot touch | Sensorimotor control  
? Quartile:  
2025:  
? Artificial Intelligence (Q1, rank 115, percentile 76)  
? Biomedical Engineering (Q2, rank 90, percentile 73)  
2019:  
? Biomedical Engineering (Q2, rank 71, percentile 68)  
? Artificial Intelligence (Q2, rank 65, percentile 68)  
? Source Id: 21100199837  
? Author Ids: 19338029900;35612596100;7102659441;6505953917;55537786300;56962745700  
? Authoraffiliationids: 60025153;60025153;60170449;60170449;60008088;60025153  
? Corresponding: Seminara L.
69.  
? Title: An energy efficient system for touch modality classification in electronic skin applications  
? Venue: Proceedings IEEE International Symposium on Circuits and Systems  
? Year: 2019  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 14  
? Doi: 10.1109/lscas.2019.8702113  
? Scopus ID: 2-s2.0-85066808923  
? Issn: 02714310  
? Volume: 2019-May  
? Authors: Osta M.; Ibrahim A.; Magno M.; Eggimann M.; Pullini A.; Gastaldo P.; Valle M.  
? Keywords: Energy Efficient EmbeddedMachineLearning | ParallelUltraLowPowerPlatform | Touch Modality Classification  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)  
2019:  
? Electrical and Electronic Engineering (Q3, rank 388, percentile 42)  
? Source Id: 56190  
? Author Ids:  
57197747347;57199654883;23097444700;59768183100;22036156300;35612596100;57197744325  
? Authoraffiliationids: 60025153;60025153;60025858;60025858;60025858;60025153;60025153  
? Corresponding: Osta M.
70.  
? 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.

71.  
? 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.

72.  
? 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.

73.

? Title: Real-time digital signal processing based on FPGAs for electronic skin implementation  
? Venue: Sensors Switzerland  
? Year: 2017  
? Type: Journal  
? Subtype: Article  
? Citations: 24  
? DOI: 10.3390/s17030558  
? Scopus ID: 2-s2.0-85015186653  
? Issn: 14248220  
? Volume: 17  
? Issue: 3  
? Authors: Ibrahim Ali; Gastaldo Paolo; Chible Hussein; Valle Maurizio  
? Keywords: Digital signal processing | Electronic skin system | FPGA implementation | Power consumption | Real-time classification  
? 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)  
2017:  
? Instrumentation (Q1, rank 20, percentile 84)

? Electrical and Electronic Engineering (Q1, rank 131, percentile 80)  
? Atomic and Molecular Physics, and Optics (Q2, rank 44, percentile 74)  
? Analytical Chemistry (Q2, rank 38, percentile 67)  
? Biochemistry (Q2, rank 186, percentile 55)  
? Source Id: 130124  
? Author Ids: 57199654883;35612596100;7801443090;57197744325  
? Authoraffiliationids: 60025153-60068774;60025153;60068774;60025153  
? Corresponding: Ibrahim A.

74.

? Title: Towards integrating intelligence in electronic skin  
? Venue: Mechatronics  
? Year: 2016  
? Type: Journal  
? Subtype: Article  
? Citations: 33  
? DOI: 10.1016/j.mechatronics.2015.04.001  
? Scopus ID: 2-s2.0-84928676853  
? Issn: 09574158  
? Volume: 34  
? Pages: 84-94  
? Authors: Seminara Lucia; Pinna Luigi; Ibrahim Ali; Noli Luca; Caviglia Stefano; Gastaldo Paolo; Valle Maurizio  
? Keywords: E-skin | Electronic embedded systems | Materials integrated sensing | Piezoelectric polymers | Tactile information processing  
? Quartile:

2025:

? Mechanical Engineering (Q1, rank 144, percentile 80)  
? Electrical and Electronic Engineering (Q1, rank 208, percentile 79)  
? Control and Systems Engineering (Q1, rank 86, percentile 77)  
? Computer Science Applications (Q1, rank 240, percentile 75)

2016:

? Mechanical Engineering (Q1, rank 42, percentile 92)  
? Electrical and Electronic Engineering (Q1, rank 93, percentile 85)  
? Computer Science Applications (Q1, rank 80, percentile 85)  
? Source Id: 21096  
? Author Ids:  
19338029900;35932431800;57199654883;6507179015;56369796600;35612596100;57197744325  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153  
? Corresponding: Seminara L.

75.

? 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.

76.

? 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.

77.

? 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.

78.

- ? 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.

79.

- ? 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/IJCNN.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.

80.

- ? 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.  
81.  
? 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.

82.

? 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.

83.

? 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.
84.  
? 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.
85.  
? 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.
86.  
? 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.  
87.  
? 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;23090052400;56194089500;7006403609;34977256000;55647336600;7103138852;9733887900;8859952200;49362643700;35408792800;55983700400  
? Authoraffiliationids: 60002243;60005510;60005510;60005510;60022317;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.

? 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.  
89.  
? 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.

90.

? 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.

91.

? 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.

92.

? 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.

93.

? 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.

94.

? 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/Ijcnn.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.

95.

? 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.

96.  
? 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.

97.

? 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.

98.

? 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.

99.

- ? 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.

100.

- ? 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.

101.

- ? 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.
102.  
? 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.
103.  
? 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 ^ lvaro; Gastaldo Paolo; Corchado Emilio; Zunino Rodolfo  
? Source Id: 21100778844  
? Author Ids: 8892618100;35612596100;6602872701;7006338311

- ? Corresponding: Herrero A.  
104.  
? 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.  
105.  
? 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/IJCNN.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.  
106.  
? 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/IJCNN.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.  
107.  
? 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.  
108.  
? 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.  
109.  
? 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.

110.

? 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.

111.

? 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.

112.

? 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.

113.

? 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.

114.

? 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.

115.

? 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.

116.

? 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.

117.

? 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.

118.

? 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.

119.

? 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.
120.  
? 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.
121.  
? 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.

122.  
? 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.

123.

? 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.

124.

? 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/IJCNN.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.

125.

? 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.

126.

? 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.

127.

? 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/IJCNN.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.

128.

? 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.

129.

? 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.

130.

? 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.

131.

? 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.

132.

? 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.

133.

? 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.

134.

? 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.

135.  
? 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.

136.  
? 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/lscas.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.

137.  
? 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.