

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

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? 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/lcce59016.2024.10444268

? 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;57192394949;55548461500;57794378700;8573253200;57197744325;57193129975;6701751695
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153;60032350;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; Lagerstr[^]m 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/iccwv60793.2023.00204
? 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;60002014;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/Ijcn48605.2020.9206826
? Scopus ID: 2-s2.0-85093846854
? Authors: Ragusa Edoardo; Apicella Tommaso; Gianoglio Christian; Zunino Rodolfo; Gastaldo Paolo
? Keywords: CNN | embedded systems | image polarity detection
? Source Id: 96537
? Author Ids: 56580248800;57216366806;56580140000;7006338311;35612596100
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Ragusa E.

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/IsCAS.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
? 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/Ijcn.2015.7280633

? Scopus ID: 2-s2.0-84951000029

? Volume: 2015-September

? Authors: Bisio Federica; Gastaldo Paolo; Zunino Rodolfo; Cambria Erik

? Keywords: Silicon

? Source Id: 96537

? Author Ids: 55547779800;35612596100;7006338311;56140547500

? Authoraffiliationids: 60025153;60025153;60025153;60078616

? Corresponding: Bisio F.

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;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.

88.

? 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/Ijcn.2011.6033227
? Scopus ID: 2-s2.0-80054765918
? Pages: 238-245
? Authors: Decherchi Sergio; Leoncini Davide; Gastaldo Paolo; Zunino Rodolfo; Faggioni Osvaldo; Soldani Maurizio
? Source Id: 96537
? Author Ids: 23090052400;23473869300;35612596100;7006338311;6602181469;17136096200
? Authoraffiliationids: 60102151;60025153;60025153;60025153;60000243;60000243
? Corresponding: Decherchi S.

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 ^ Ivaro; 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/Ijcn.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/Ijcn.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/lcip.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/Ijcn.2005.1555910
? Scopus ID: 2-s2.0-33745963953
? Volume: 1
? Pages: 663-668
? Authors: Gastaldo Paolo; Parodi Giovanni; Zunino Rodolfo
? Source Id: 96537
? Author Ids: 35612596100;7006518995;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Gastaldo P.

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/ljcn.2004.1381201
? Scopus ID: 2-s2.0-10944229787
? Issn: 10987576
? Volume: 4
? Pages: 3257-3262
? Authors: Gastaldo Paolo; Ridella Sandro; Zunino Rodolfo
? Source Id: 110573
? Author Ids: 35612596100;7006643280;7006338311
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Gastaldo P.

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/IsCAS.2002.1010688
? Scopus ID: 2-s2.0-0036287833
? Issn: 02714310
? Volume: 5
? Pages: V/253-V/256
? Authors: Carrai Paola; Heynderickx Ingrid; Gastaldo Paolo; Zunino Rodolfo
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 56989328500;6701861864;35612596100;7006338311
? Authoraffiliationids: 60016561;60016561;;
? Corresponding: Carrai P.

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.