

STORACE MARCO

Overview

? Unit: ICT
? Role: Professore ordinario
? Grade: Prof.Ordinario DPR 232/11 art.2 - t.pieno - cl. 6
? SSD: IIET-01/A (Elettrotecnica)
? Scopus ID: 7004134087
? Unige Id: 055367
? Retrieved at: 2025-11-14T15:16:12.589745

Contact

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? Phone: +39 010 33 52079
? Website: <https://compsys.diten.unige.it/people/storace>
? Page: <https://rubrica.unige.it/personale/VUZCWFxu>
? Locations: Opera Pia - padiglione D (ED161450401), 2° piano, US161450401.II.024

Career

? Po, 2012-05-01 ? 2222-02-02

Responsibilities

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

Teaching

2025

? Laboratorio Di Filtri Analogici E Digitali (84491), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Tirocinio (94722), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Teoria Dei Circuiti (80646), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Power Management (114760), Lm-29 - Electronic Engineering
? Laboratorio Di Circuiti (117990), L-8 R - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Nonlinear Circuits And Systems (114762), Lm-29 - Electronic Engineering

2024

? Nonlinear Dynamics And Power Management (106781), Lm-29 - Ingegneria Elettronica
? Teoria Dei Circuiti (80646), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Filtri Analogici E Digitali (84491), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Nonlinear Circuits And Systems (114762), Lm-29 - Electronic Engineering

2023

? Nonlinear Dynamics And Power Management (106781), Lm-29 - Ingegneria Elettronica
? Filtri Analogici E Digitali (84491), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Tirocinio (94722), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Teoria Dei Circuiti (80646), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione

2022

? Nonlinear Dynamics And Power Management (106781), Lm-29 - Ingegneria Elettronica

? Filtri Analogici E Digitali (84491), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Teoria Dei Circuiti (80646), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione

2021

? Nonlinear Dynamics (72469), Lm-29 - Ingegneria Elettronica
? Filtri Analogici E Digitali (84491), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Teoria Dei Circuiti (80646), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Elettrotecnica (98175), L-9 - Ingegneria Gestionale

2020

? Nonlinear Dynamics (72469), Lm-29 - Ingegneria Elettronica
? Signal Processing (80854), Lm-29 - Ingegneria Elettronica
? Filtri Analogici E Digitali (84491), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Teoria Dei Circuiti (80646), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione

Scopus Metrics

? absolute; Docs: 184; Journals: 96; Conferences: 72; Citations: 2118; H-index: 24
? 15 years (2010-2025); Docs: 118; Journals: 57; Conferences: 45; Citations: 1281; H-index: 21
? 10 years (2015-2025); Docs: 84; Journals: 38; Conferences: 30; Citations: 696; H-index: 15
? 05 years (2020-2025); Docs: 39; Journals: 19; Conferences: 12; Citations: 249; H-index: 8

Scopus Products

1.

? Title: FPGA Implementation of Nonlinear Model Predictive Control for a Boost Converter with a Partially Saturating Inductor
? Venue: Electronics Switzerland
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 1
? DOI: 10.3390/electronics14050941
? Scopus ID: 2-s2.0-86000650676
? eISSN: 20799292
? Volume: 14
? Issue: 5
? Authors: Ravera Alessandro; Oliveri Alberto; Lodi Matteo; Storace Marco
? Keywords: magnetic saturation | nonlinear model predictive control | switched mode power supply
? 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)
? Source Id: 21100829272
? Author Ids: 57214792545;57200399832;57200266678;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153

- ? Corresponding: Ravera A.
- 2.
- ? Title: Modeling Amorphous-Core Inductors up to Magnetic Saturation
- ? Venue: IEEE Transactions on Power Electronics
- ? Year: 2025
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 5
- ? Doi: 10.1109/Tpel.2024.3463803
- ? Scopus ID: 2-s2.0-85204943092
- ? Issn: 08858993
- ? eISSN: 19410107
- ? Volume: 40
- ? Issue: 1
- ? Pages: 1563-1576
- ? Authors: Ravera Alessandro; Oliveri Alberto; Lodi Matteo; Beatrice Cinzia; Ferrara Enzo; Fiorillo Fausto; Storace Marco
- ? Keywords: Amorphous core | magnetic saturation | nonlinear circuit model | power inductor
- ? Quartile:
- 2025:
- ? Electrical and Electronic Engineering (Q1, rank 50, percentile 95)
- ? Source Id: 26055
- ? Author Ids:
- 57214792545;57200399832;57200266678;7004523868;56211874000;7006013405;7004134087
- ? Authoraffiliationids: 60025153;60025153;60025153;60073835;60073835;60073835;60025153
- ? Corresponding: Ravera A.
- 3.
- ? Title: Cluster Synchronization and Associative Memory in Adaptive Networks with Neural Plasticity
- ? Venue: Proceedings IEEE International Symposium on Circuits and Systems
- ? Year: 2025
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 0
- ? Doi: 10.1109/IsCAS56072.2025.11044239
- ? Scopus ID: 2-s2.0-105010617695
- ? Issn: 02714310
- ? Authors: Lodi Matteo; Sorrentino Francesco; Storace Marco
- ? Quartile:
- 2025:
- ? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
- ? Source Id: 56190
- ? Author Ids: 57200266678;57203233721;7004134087
- ? Authoraffiliationids: 60025153;60138187;60025153
- ? Corresponding: Lodi M.
- 4.
- ? Title: A black-box approach for generating surrogate data for an amorphous-core inductor working up to magnetic saturation
- ? Venue: Proceedings IEEE International Symposium on Circuits and Systems
- ? Year: 2025
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 0

? Doi: 10.1109/lscas56072.2025.11043328
? Scopus ID: 2-s2.0-105010594000
? Issn: 02714310
? Authors: Ravera Alessandro; Baazaoui Sofien; Lodi Matteo; Oliveri Alberto; Storace Marco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 57214792545;59332602300;57200266678;57200399832;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Ravera A.

- 5.
- ? Title: INIS: A Family of ?? Modulators With Inherent Spur Immunity When Interacting With a Static Nonlinearity
? Venue: IEEE Transactions on Circuits and Systems I Regular Papers
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 0
? Doi: 10.1109/Tcsi.2025.3561676
? Scopus ID: 2-s2.0-105003690994
? Issn: 15498328
? eISSN: 15580806
? Volume: 72
? Issue: 11
? Pages: 6820-6832
? Authors: Ravera Alessandro; Mazzaro Valerio; Storace Marco; Peter Kennedy Michael
? Keywords: Digital delta-sigma modulator (DDSM) | noise folding | nonlinearity | spurious tones
? Quartile:
2025:
? Engineering (all) (Q1, rank 28, percentile 92)
? Source Id: 11000153733
? Author Ids: 57214792545;57212105303;7004134087;57191621535
? Authoraffiliationids: 60025153;60005141-60023682;60025153;60005141
? Corresponding: Ravera A.

- 6.
- ? Title: Patterns of synchronized clusters in adaptive networks
? Venue: Communications Physics
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 7
? DOI: 10.1038/s42005-024-01688-5
? Scopus ID: 2-s2.0-85196480826
? eISSN: 23993650
? Volume: 7
? Issue: 1
? Authors: Lodi Matteo; Panahi Shirin; Sorrentino Francesco; Torcini Alessandro; Storace Marco
? Quartile:
2025:
? Physics and Astronomy (all) (Q1, rank 30, percentile 88)

2024:

? Physics and Astronomy (all) (Q1, rank 30, percentile 88)

? Source Id: 21100924862

? Author Ids: 57200266678;57220564996;57203233721;56028770100;7004134087

? Authoraffiliationids:

60025153;60138187;60138187;60134716-60113687-60113678;60025153-60138187

? Corresponding: Lodi M.

7.

? Title: A Comparative Analysis of Different Virtual Inertia Controllers in Power Grids with Renewable Energy Sources

? Venue: 2024 IEEE Workshop on Complexity in Engineering Compeng 2024

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Compeng60905.2024.10741407

? Scopus ID: 2-s2.0-85212196186

? Authors: Ahmadimonfared Zahra; Lodi Matteo; Oliveri Alberto; Storace Marco

? Source Id: 21101264268

? Author Ids: 59474072200;57200266678;57200399832;7004134087

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Ahmadimonfared Z.

8.

? Title: Modeling the Effect of Air-Gap Length and Number of Turns on Ferrite-Core Inductors Working up to Magnetic Saturation in a Buck Converter

? Venue: IEEE Transactions on Circuits and Systems I Regular Papers

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 5

? Doi: 10.1109/Tcsi.2024.3421261

? Scopus ID: 2-s2.0-85204943069

? Issn: 15498328

? eISSN: 15580806

? Volume: 71

? Issue: 12

? Pages: 5400-5409

? Authors: Ravera Alessandro; Formentini Andrea; Lodi Matteo; Oliveri Alberto; Passalacqua Massimiliano; Storace Marco

? Keywords: gapped ferrite core | magnetic saturation | nonlinear circuit model | Power inductor

? Quartile:

2025:

? Engineering (all) (Q1, rank 28, percentile 92)

2024:

? Engineering (all) (Q1, rank 24, percentile 93)

? Source Id: 11000153733

? Author Ids: 57214792545;55370605300;57200266678;57200399832;57195070159;7004134087

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

? Corresponding: Ravera A.

9.

? Title: A nonlinear model of air-gapped ferrite-core inductors for SMPS applications

? Venue: Proceedings IEEE International Symposium on Circuits and Systems

? Year: 2024

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/IsCAS58744.2024.10558476
? Scopus ID: 2-s2.0-85198514654
? Issn: 02714310
? Authors: Ravera Alessandro; Formentini Andrea; Lodi Matteo; Oliveri Alberto; Storace Marco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
2024:
? Electrical and Electronic Engineering (Q3, rank 537, percentile 44)
? Source Id: 56190
? Author Ids: 57214792545;55370605300;57200266678;57200399832;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Ravera A.

10.

? Title: Optimization strategies to obtain smooth gait transitions through biologically plausible central pattern generators
? Venue: Physical Review E
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 1
? DOI: 10.1103/PhysRevE.109.014404
? Scopus ID: 2-s2.0-85183455819
? Issn: 24700045
? eISSN: 24700053
? Volume: 109
? Issue: 1
? Authors: Baruzzi V.; Lodi M.; Storace M.
? Quartile:
2025:
? Statistics and Probability (Q1, rank 50, percentile 83)
? Statistical and Nonlinear Physics (Q2, rank 23, percentile 64)
? Condensed Matter Physics (Q2, rank 208, percentile 53)
2024:
? Statistics and Probability (Q1, rank 50, percentile 83)
? Statistical and Nonlinear Physics (Q2, rank 21, percentile 66)
? Condensed Matter Physics (Q2, rank 182, percentile 59)
? Source Id: 21100855841
? Author Ids: 57216455935;57200266678;7004134087
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Baruzzi V.

11.

? Title: Bridging functional and anatomical neural connectivity through cluster synchronization
? Venue: Scientific Reports
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 7
? DOI: 10.1038/s41598-023-49746-2

? Scopus ID: 2-s2.0-85179978424
? eISSN: 20452322
? Volume: 13
? Issue: 1
? Authors: Baruzzi Valentina; Lodi Matteo; Sorrentino Francesco; Storace Marco
? Quartile:
2025:
? Multidisciplinary (Q1, rank 28, percentile 86)
2023:
? Multidisciplinary (Q1, rank 14, percentile 92)
? Source Id: 21100200805
? Author Ids: 57216455935;57200266678;57203233721;7004134087
? Authoraffiliationids: 60025153;60025153;60138187;60025153
? Corresponding: Baruzzi V.

12.

? Title: Co-Design of a Controller and Its Digital Implementation: The MOBY-DIC2
Toolbox for Embedded Model Predictive Control
? Venue: IEEE Transactions on Control Systems Technology
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 5
? Doi: 10.1109/Tcst.2023.3254133
? Scopus ID: 2-s2.0-85151336066
? Issn: 10636536
? eISSN: 15580865
? Volume: 31
? Issue: 6
? Pages: 2871-2878
? Authors: Ravera Alessandro; Oliveri Alberto; Lodi Matteo; Bemporad Alberto; Heemels
W. P.M.H.; Kerrigan Eric C.; Storace Marco
? Keywords: Embedded model predictive control (MPC) | field programmable gate array
(FPGA) | hardware-software co-design
? Quartile:
2025:
? Control and Systems Engineering (Q1, rank 34, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 96, percentile 90)
2023:
? Control and Systems Engineering (Q1, rank 31, percentile 90)
? Electrical and Electronic Engineering (Q1, rank 82, percentile 89)
? Source Id: 17342
? Author Ids:
57214792545;57200399832;57200266678;7005030586;7004095044;57200653945;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60102060;60032882;60015150;60025153
? Corresponding: Ravera A.

13.

? Title: Use of a Partially Saturating Inductor in a Boost Converter with Model
Predictive Control
? Venue: Electronics Switzerland
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 6
? DOI: 10.3390/electronics12143013

? Scopus ID: 2-s2.0-85166222674
? eISSN: 20799292
? Volume: 12
? Issue: 14
? Authors: Firpo Pietro; Ravera Alessandro; Oliveri Alberto; Lodi Matteo; Storace Marco
? Keywords: magnetic saturation | nonlinear model predictive control | switched mode power supply
? 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)
2023:
? Control and Systems Engineering (Q2, rank 94, percentile 70)
? Electrical and Electronic Engineering (Q2, rank 244, percentile 69)
? Computer Networks and Communications (Q2, rank 139, percentile 64)
? Hardware and Architecture (Q2, rank 64, percentile 64)
? Signal Processing (Q2, rank 49, percentile 62)
? Source Id: 21100829272
? Author Ids: 58512300500;57214792545;57200399832;57200266678;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Firpo P.

14.

? Title: Stability Analysis of the Synchronous Solution in Arrays of Memristive Chua's Circuits
? Venue: IEEE Transactions on Circuits and Systems II Express Briefs
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 4
? Doi: 10.1109/Tcsii.2023.3259008
? Scopus ID: 2-s2.0-85151544305
? Issn: 15497747
? eISSN: 15583791
? Volume: 70
? Issue: 5
? Pages: 1694-1698
? Authors: Lodi Matteo; Forti Mauro; Storace Marco
? Keywords: Chua's circuit | master stability function | memristor | synchronization
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 97, percentile 90)
2023:
? Electrical and Electronic Engineering (Q1, rank 137, percentile 82)
? Source Id: 9500153930
? Author Ids: 57200266678;7006515448;7004134087
? Authoraffiliationids: 60025153;60002838;60025153
? Corresponding: Lodi M.

15.

? Title: MADS-based fast FPGA implementation of nonlinear model predictive control
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2023

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/IsCAS46773.2023.10181647
? Scopus ID: 2-s2.0-85166261084
? Issn: 02714310
? Volume: 2023-May
? Authors: Ravera Alessandro; Oliveri Alberto; Lodi Matteo; Storace Marco
? Keywords: FPGA | mesh adaptive direct search | nonlinear model predictive control
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
2023:
? Electrical and Electronic Engineering (Q3, rank 496, percentile 37)
? Source Id: 56190
? Author Ids: 57214792545;57200399832;57200266678;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Ravera A.

16.

? Title: A nonlinear behavioral model of a ferrite-core inductor with fixed-frequency sinusoidal voltage input
? Venue: Eurocon 2023 20th International Conference on Smart Technologies Proceedings
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 8
? Doi: 10.1109/Eurocon56442.2023.10199021
? Scopus ID: 2-s2.0-85166236237
? Pages: 418-422
? Authors: Ravera Alessandro; Oliveri Alberto; Lodi Matteo; Storace Marco
? Source Id: 21101173014
? Author Ids: 57214792545;57200399832;57200266678;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Ravera A.

17.

? Title: Embedded Implementation of an Algorithm for Online Inertia Estimation in Power Grids
? Venue: Lecture Notes in Networks and Systems
? Year: 2023
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-031-16281-7_9
? Scopus ID: 2-s2.0-85137974665
? Issn: 23673370
? eISSN: 23673389
? Volume: 546 Lnns
? Pages: 84-94
? Authors: Ravera Alessandro; Baruzzi Valentina; Lodi Matteo; Oliveri Alberto; Storace Marco
? Keywords: Inertia estimation | Microcontroller | Renewable energy sources
? 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: 57214792545;57216455935;57200266678;57200399832;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Ravera A.

18.

? Title: Pinning control of networks: Dimensionality reduction through simultaneous block-diagonalization of matrices
? Venue: Chaos
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 3
? Doi: 10.1063/5.0090095
? Scopus ID: 2-s2.0-85143184341
? Issn: 10541500
? eISSN: 10897682
? Volume: 32
? Issue: 11
? Authors: Panahi Shirin; Lodi Matteo; Storace Marco; Sorrentino Francesco
? Quartile:
2025:
? Mathematical Physics (Q1, rank 9, percentile 90)
? Applied Mathematics (Q1, rank 97, percentile 85)
? Statistical and Nonlinear Physics (Q1, rank 13, percentile 80)
? Engineering (all) (Q1, rank 84, percentile 75)
? Physics and Astronomy (all) (Q1, rank 62, percentile 75)
2022:
? Mathematical Physics (Q1, rank 5, percentile 94)
? Applied Mathematics (Q1, rank 59, percentile 90)
? Statistical and Nonlinear Physics (Q1, rank 8, percentile 86)
? Physics and Astronomy (all) (Q1, rank 50, percentile 79)
? Source Id: 27430
? Author Ids: 57220564996;57200266678;7004134087;57203233721
? Authoraffiliationids: 60138187;60025153;60025153;60138187
? Corresponding: Panahi S.

19.

? Title: Behavioral model of an amorphous-core inductor working up to partial saturation
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Isccas48785.2022.9937208
? Scopus ID: 2-s2.0-85142507089
? Issn: 02714310
? Volume: 2022-May
? Pages: 1522-1526

? Authors: Oliveri Alberto; Lodi Matteo; Beatrice Cinzia; Ferrara Enzo; Storace Marco; Fiorillo Fausto
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
2022:
? Electrical and Electronic Engineering (Q3, rank 476, percentile 35)
? Source Id: 56190
? Author Ids: 57200399832;57200266678;7004523868;56211874000;7004134087;7006013405
? Authoraffiliationids: 60025153;60025153;60073835;60073835;60025153;60073835
? Corresponding: Oliveri A.

20.

? Title: Forget partitions? Not yet...
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/IsCAS48785.2022.9937604
? Scopus ID: 2-s2.0-85142479468
? Issn: 02714310
? Volume: 2022-May
? Pages: 1531-1535
? Authors: Lodi Matteo; Sorrentino Francesco; Storace Marco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
2022:
? Electrical and Electronic Engineering (Q3, rank 476, percentile 35)
? Source Id: 56190
? Author Ids: 57200266678;57203233721;7004134087
? Authoraffiliationids: 60025153;60138187;60025153
? Corresponding: Lodi M.

21.

? Title: Estimation of inertia in power grids with turbine governors
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/IsCAS48785.2022.9937504
? Scopus ID: 2-s2.0-85133619628
? Issn: 02714310
? Volume: 2022-May
? Pages: 819-823
? Authors: Baruzzi Valentina; Lodi Matteo; Oliveri Alberto; Storace Marco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
2022:
? Electrical and Electronic Engineering (Q3, rank 476, percentile 35)
? Source Id: 56190
? Author Ids: 57216455935;57200266678;57200399832;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Baruzzi V.

22.

? Title: Nonlinear models of power inductors: A survey

? Venue: International Journal of Circuit Theory and Applications

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 35

? DOI: 10.1002/cta.3147

? Scopus ID: 2-s2.0-85116803994

? Issn: 00989886

? eISSN: 1097007X

? Volume: 50

? Issue: 1

? Pages: 2-34

? Authors: Oliveri Alberto; Lodi Matteo; Storace Marco

? Quartile:

2025:

? Applied Mathematics (Q2, rank 183, percentile 72)

? Electrical and Electronic Engineering (Q2, rank 422, percentile 57)

? Computer Science Applications (Q2, rank 471, percentile 52)

? Electronic, Optical and Magnetic Materials (Q3, rank 170, percentile 45)

2022:

? Applied Mathematics (Q1, rank 145, percentile 76)

? Computer Science Applications (Q2, rank 361, percentile 54)

? Electrical and Electronic Engineering (Q2, rank 337, percentile 54)

? Electronic, Optical and Magnetic Materials (Q3, rank 143, percentile 47)

? Source Id: 17963

? Author Ids: 57200399832;57200266678;7004134087

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Oliveri A.

23.

? Title: Towards more biologically plausible central-pattern-generator models

? Venue: Physical Review E

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 8

? DOI: 10.1103/PhysRevE.104.064405

? Scopus ID: 2-s2.0-85121654542

? Issn: 24700045

? eISSN: 24700053

? Volume: 104

? Issue: 6

? Authors: Baruzzi V.; Lodi M.; Storace M.; Shilnikov A.

? Quartile:

2025:

? Statistics and Probability (Q1, rank 50, percentile 83)

? Statistical and Nonlinear Physics (Q2, rank 23, percentile 64)

? Condensed Matter Physics (Q2, rank 208, percentile 53)

2021:

? Statistics and Probability (Q1, rank 29, percentile 88)

? Statistical and Nonlinear Physics (Q1, rank 9, percentile 83)

? Condensed Matter Physics (Q2, rank 142, percentile 65)

? Source Id: 21100855841
? Author Ids: 57216455935;57200266678;7004134087;6602635628
? Authoraffiliationids: 60025153;60025153;60025153;60012387
? Corresponding: Baruzzi V.

24.

? Title: One-way dependent clusters and stability of cluster synchronization in directed networks
? Venue: Nature Communications
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 32
? DOI: 10.1038/s41467-021-24363-7
? Scopus ID: 2-s2.0-85109152543
? eISSN: 20411723
? Volume: 12
? Issue: 1
? Authors: Lodi Matteo; Sorrentino Francesco; Storace Marco
? Quartile:
2025:
? Physics and Astronomy (all) (Q1, rank 5, percentile 98)
? Multidisciplinary (Q1, rank 6, percentile 97)
? Biochemistry, Genetics and Molecular Biology (all) (Q1, rank 7, percentile 97)
? Chemistry (all) (Q1, rank 16, percentile 96)
2021:
? Multidisciplinary (Q1, rank 3, percentile 97)
? Biochemistry, Genetics and Molecular Biology (all) (Q1, rank 5, percentile 97)
? Chemistry (all) (Q1, rank 14, percentile 96)
? Physics and Astronomy (all) (Q1, rank 10, percentile 96)
? Source Id: 19700182758
? Author Ids: 57200266678;57203233721;7004134087
? Authoraffiliationids: 60025153;60138187;60025153
? Corresponding: Lodi M.

25.

? Title: Analysis and improvement of an algorithm for the online inertia estimation in power grids with RES
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 13
? Doi: 10.1109/IsCAS51556.2021.9401229
? Scopus ID: 2-s2.0-85109025103
? Issn: 02714310
? Volume: 2021-May
? Authors: Baruzzi Valentina; Lodi Matteo; Oliveri Alberto; Storace Marco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
2021:
? Electrical and Electronic Engineering (Q3, rank 419, percentile 40)
? Source Id: 56190
? Author Ids: 57216455935;57200266678;57200399832;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153

- ? Corresponding: Baruzzi V.
- 26.
- ? Title: Delays induced cluster synchronization in chaotic networks
- ? Venue: Chaos
- ? Year: 2020
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 1
- ? Doi: 10.1063/5.0030720
- ? Scopus ID: 2-s2.0-85097445752
- ? Issn: 10541500
- ? eISSN: 10897682
- ? Volume: 30
- ? Issue: 12
- ? Authors: Nathe Chad; Huang Ke; Lodi Matteo; Storace Marco; Sorrentino Francesco
- ? Quartile:
- 2025:
- ? Mathematical Physics (Q1, rank 9, percentile 90)
- ? Applied Mathematics (Q1, rank 97, percentile 85)
- ? Statistical and Nonlinear Physics (Q1, rank 13, percentile 80)
- ? Engineering (all) (Q1, rank 84, percentile 75)
- ? Physics and Astronomy (all) (Q1, rank 62, percentile 75)
- 2020:
- ? Mathematical Physics (Q1, rank 2, percentile 97)
- ? Applied Mathematics (Q1, rank 52, percentile 90)
- ? Statistical and Nonlinear Physics (Q1, rank 5, percentile 90)
- ? Physics and Astronomy (all) (Q1, rank 43, percentile 81)
- ? Source Id: 27430
- ? Author Ids: 57220578856;57194202388;57200266678;7004134087;57203233721
- ? Authoraffiliationids: 60138187;60138187;60025153;60025153;60138187
- ? Corresponding: Nathe C.
- 27.
- ? Title: Analyzing synchronized clusters in neuron networks
- ? Venue: Scientific Reports
- ? Year: 2020
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 28
- ? DOI: 10.1038/s41598-020-73269-9
- ? Scopus ID: 2-s2.0-85091735733
- ? eISSN: 20452322
- ? Volume: 10
- ? Issue: 1
- ? Authors: Lodi Matteo; Della Rossa Fabio; Sorrentino Francesco; Storace Marco
- ? Quartile:
- 2025:
- ? Multidisciplinary (Q1, rank 28, percentile 86)
- 2020:
- ? Multidisciplinary (Q1, rank 8, percentile 93)
- ? Source Id: 21100200805
- ? Author Ids: 57200266678;37123718500;57203233721;7004134087
- ? Authoraffiliationids: 60025153;60138187-60023256;60138187;60025153
- ? Corresponding: Lodi M.
- 28.

? Title: Generalized half-center oscillators with short-term synaptic plasticity
? Venue: Physical Review E
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 11
? DOI: 10.1103/PhysRevE.102.032406
? Scopus ID: 2-s2.0-85093911265
? Issn: 24700045
? eISSN: 24700053
? Volume: 102
? Issue: 3
? Authors: Baruzzi V.; Lodi M.; Storace M.; Shilnikov A.
? Quartile:
2025:
? Statistics and Probability (Q1, rank 50, percentile 83)
? Statistical and Nonlinear Physics (Q2, rank 23, percentile 64)
? Condensed Matter Physics (Q2, rank 208, percentile 53)
2020:
? Statistics and Probability (Q1, rank 29, percentile 88)
? Statistical and Nonlinear Physics (Q1, rank 6, percentile 87)
? Condensed Matter Physics (Q2, rank 130, percentile 68)
? Source Id: 21100855841
? Author Ids: 57216455935;57200266678;7004134087;6602635628
? Authoraffiliationids: 60025153;60025153;60025153;60012387
? Corresponding: Baruzzi V.

29.

? Title: Design Principles for Central Pattern Generators with Preset Rhythms
? Venue: IEEE Transactions on Neural Networks and Learning Systems
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 37
? Doi: 10.1109/Tnnls.2019.2945637
? Scopus ID: 2-s2.0-85087102389
? Issn: 2162237x
? eISSN: 21622388
? Volume: 31
? Issue: 9
? Pages: 3658-3669
? Authors: Lodi Matteo; Shilnikov Andrey L.; Storace Marco
? Keywords: Bifurcation analysis | central pattern generators | neuronal models | parameter optimization
? Quartile:
2025:
? Computer Networks and Communications (Q1, rank 9, percentile 98)
? Computer Science Applications (Q1, rank 18, percentile 98)
? Software (Q1, rank 13, percentile 97)
? Artificial Intelligence (Q1, rank 19, percentile 96)
2020:
? Computer Networks and Communications (Q1, rank 3, percentile 99)
? Computer Science Applications (Q1, rank 8, percentile 98)
? Artificial Intelligence (Q1, rank 5, percentile 98)
? Software (Q1, rank 9, percentile 97)

? Source Id: 21100235616
? Author Ids: 57200266678;6602635628;7004134087
? Authoraffiliationids: 60025153;60012387;60025153
? Corresponding: Lodi M.

30.

? Title: A Nonlinear Behavioral Ferrite-Core Inductance Model Able to Reproduce Thermal Transients in Switch-Mode Power Supplies
? Venue: IEEE Transactions on Circuits and Systems I Regular Papers
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 14
? Doi: 10.1109/Tcsi.2020.2965645
? Scopus ID: 2-s2.0-85082883785
? Issn: 15498328
? eISSN: 15580806
? Volume: 67
? Issue: 4
? Pages: 1255-1263
? Authors: Lodi Matteo; Bizzarri Federico; Linaro Daniele; Oliveri Alberto; Brambilla Angelo; Storace Marco
? Keywords: Behavioral nonlinear model | magnetic saturation | power loss
? Quartile:

2025:

? Engineering (all) (Q1, rank 28, percentile 92)

2020:

? Subject (Q1, rank 106, percentile 84)

? Source Id: 11000153733
? Author Ids: 57200266678;15734590800;24587496200;57200399832;7103297302;7004134087
? Authoraffiliationids: 60025153;60023256;60023256;60025153;60023256;60025153
? Corresponding: Lodi M.

31.

? Title: Effects of parameter variation on the accuracy of a nonlinear inductor model for switch-mode power supplies applications
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-85109258762
? Issn: 02714310
? Volume: 2020-October
? Authors: Lodi Matteo; Oliveri Alberto; Storace Marco
? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)

2020:

? Electrical and Electronic Engineering (Q2, rank 345, percentile 50)

? Source Id: 56190
? Author Ids: 57200266678;57200399832;7004134087
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Lodi M.

32.

? Title: An algorithm for finding equitable clusters in multi-layer networks

? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Scopus ID: 2-s2.0-85091795172
? Issn: 02714310
? Volume: 2020-October
? Authors: Lodi Matteo; Rossa Fabio Della; Sorrentino Francesco; Storace Marco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
2020:
? Electrical and Electronic Engineering (Q2, rank 345, percentile 50)
? Source Id: 56190
? Author Ids: 57200266678;37123718500;57203233721;7004134087
? Authoraffiliationids: 60025153;60023256;60138187;60025153
? Corresponding: Lodi M.

33.

? Title: Advanced concepts: Higher-order nonlinear circuits?state equations and equilibrium points
? Venue: Lecture Notes in Electrical Engineering
? Year: 2020
? Type: Book Series
? Subtype: Book Chapter
? Citations: 0
? Doi: 10.1007/978-3-030-35044-4_12
? Scopus ID: 2-s2.0-85078202109
? Issn: 18761100
? eISSN: 18761119
? Volume: 620
? Pages: 249-318
? Authors: Parodi Mauro; Storace Marco
? 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: 35508934400;7004134087
? Authoraffiliationids: 60025153;60025153
? Corresponding: Parodi M.

34.

? Title: Basic concepts: Analysis of LTI circuits in sinusoidal steady state
? Venue: Lecture Notes in Electrical Engineering
? Year: 2020
? Type: Book Series
? Subtype: Book Chapter
? Citations: 0
? Doi: 10.1007/978-3-030-35044-4_13
? Scopus ID: 2-s2.0-85078169824
? Issn: 18761100
? eISSN: 18761119
? Volume: 620

? Pages: 321-399
? Authors: Parodi Mauro; Storace Marco
? 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: 35508934400;7004134087
? Authoraffiliationids: 60025153;60025153
? Corresponding: Parodi M.

35.

? Title: Advanced concepts: Analysis of nonlinear oscillators
? Venue: Lecture Notes in Electrical Engineering
? Year: 2020
? Type: Book Series
? Subtype: Book Chapter
? Citations: 0
? Doi: 10.1007/978-3-030-35044-4_14
? Scopus ID: 2-s2.0-85078158721
? Issn: 18761100
? eISSN: 18761119
? Volume: 620
? Pages: 401-473
? Authors: Parodi Mauro; Storace Marco
? 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: 35508934400;7004134087
? Authoraffiliationids: 60025153;60025153
? Corresponding: Parodi M.

36.

? Title: Basic concepts: Linear two-ports with memory and higher-order linear circuits
? Venue: Lecture Notes in Electrical Engineering
? Year: 2020
? Type: Book Series
? Subtype: Book Chapter
? Citations: 0
? Doi: 10.1007/978-3-030-35044-4_11
? Scopus ID: 2-s2.0-85078143520
? Issn: 18761100
? eISSN: 18761119
? Volume: 620
? Pages: 143-247
? Authors: Parodi Mauro; Storace Marco
? 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: 35508934400;7004134087
? Authoraffiliationids: 60025153;60025153
? Corresponding: Parodi M.

37.

? Title: Preface
? Venue: Lecture Notes in Electrical Engineering
? Year: 2020
? Type: Book Series
? Subtype: Editorial
? Citations: 0
? Scopus ID: 2-s2.0-85078101870
? Issn: 18761100
? eISSN: 18761119
? Volume: 620
? Pages: v-vi
? Authors: Parodi Mauro; Storace Marco
? 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: 35508934400;7004134087
? Authoraffiliationids: 60025153;60025153
? Corresponding: Parodi M.

38.

? Title: Advanced concepts: First-order nonlinear circuits
? Venue: Lecture Notes in Electrical Engineering
? Year: 2020
? Type: Book Series
? Subtype: Book Chapter
? Citations: 0
? Doi: 10.1007/978-3-030-35044-4_10
? Scopus ID: 2-s2.0-85078094020
? Issn: 18761100
? eISSN: 18761119
? Volume: 620
? Pages: 91-139
? Authors: Parodi Mauro; Storace Marco
? 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: 35508934400;7004134087
? Authoraffiliationids: 60025153;60025153
? Corresponding: Parodi M.

39.

? Title: Basic concepts: Two-terminal linear elements with memory and first-order linear circuits
? Venue: Lecture Notes in Electrical Engineering
? Year: 2020
? Type: Book Series

? Subtype: Book Chapter
? Citations: 0
? Doi: 10.1007/978-3-030-35044-4_9
? Scopus ID: 2-s2.0-85078085646
? Issn: 18761100
? eISSN: 18761119
? Volume: 620
? Pages: 3-89
? Authors: Parodi Mauro; Storace Marco
? 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: 35508934400;7004134087
? Authoraffiliationids: 60025153;60025153
? Corresponding: Parodi M.

40.

? Title: Embedded linear model predictive control through mesh adaptive direct search algorithm
? Venue: 2019 26th IEEE International Conference on Electronics Circuits and Systems Icecs 2019
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Icecs46596.2019.8964821
? Scopus ID: 2-s2.0-85079170519
? Pages: 542-545
? Authors: Ravera Alessandro; Oliveri Alberto; Lodi Matteo; Storace Marco
? Source Id: 21100944554
? Author Ids: 57214792545;57200399832;57200266678;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Ravera A.

41.

? Title: A low-cost online estimator for switch-mode power supplies with saturating ferrite-core inductors
? Venue: 2019 26th IEEE International Conference on Electronics Circuits and Systems Icecs 2019
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Icecs46596.2019.8964684
? Scopus ID: 2-s2.0-85079166716
? Pages: 851-854
? Authors: Lodi Matteo; Oliveri Alberto; Storace Marco
? Source Id: 21100944554
? Author Ids: 57200266678;57200399832;7004134087
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Lodi M.

42.

? Title: Model-based compensation of rate-dependent hysteresis in a piezoresistive

strain sensor

? Venue: IEEE Transactions on Industrial Electronics

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 41

? Doi: 10.1109/Tie.2018.2884204

? Scopus ID: 2-s2.0-85058153566

? Issn: 02780046

? Volume: 66

? Issue: 10

? Pages: 8205-8213

? Authors: Oliveri Alberto; Maselli Martina; Lodi Matteo; Storace Marco; Cianchetti Matteo

? Keywords: Conductive textile | hysteresis compensation | piezoresistive strain sensor | rate-dependent hysteresis

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 33, percentile 96)

? Control and Systems Engineering (Q1, rank 17, percentile 95)

2019:

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

? Electrical and Electronic Engineering (Q1, rank 13, percentile 98)

? Source Id: 26053

? Author Ids: 57200399832;57195724094;57200266678;7004134087;23388237000

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

? Corresponding: Oliveri A.

43.

? Title: Pareto-optimal selection of saturating inductors in the design of switch-mode power supplies

? Venue: 2019 21st European Conference on Power Electronics and Applications EPE 2019 Ecce Europe

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Doi: 10.23919/Epe.2019.8915549

? Scopus ID: 2-s2.0-85076670272

? Authors: Lodi Matteo; Oliveri Alberto; Storace Marco

? Keywords: Design | Modelling | Switched-mode power supply

? Source Id: 21100939561

? Author Ids: 57200266678;57200399832;7004134087

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Lodi M.

44.

? Title: Behavioral Models for Ferrite-Core Inductors in Switch-Mode DC-DC Power Supplies: A Survey

? Venue: 5th International Forum on Research and Technologies for Society and Industry Innovation to Shape the Future Rtsi 2019 Proceedings

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 14

? Doi: 10.1109/Rtsi.2019.8895593

? Scopus ID: 2-s2.0-85075639485
? Pages: 242-247
? Authors: Lodi Matteo; Oliveri Alberto; Storace Marco
? Source Id: 21100936629
? Author Ids: 57200266678;57200399832;7004134087
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Lodi M.

45.

? Title: A Piecewise-Affine Inductance Model for Inductors Working in Nonlinear Region
? Venue: Smacd 2019 16th International Conference on Synthesis Modeling Analysis and Simulation Methods and Applications to Circuit Design Proceedings
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 12
? Doi: 10.1109/Smacd.2019.8795270
? Scopus ID: 2-s2.0-85071587532
? Pages: 169-172
? Authors: Oliveri Alberto; Lodi Matteo; Storace Marco
? Source Id: 21100926610
? Author Ids: 57200399832;57200266678;7004134087
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Oliveri A.

46.

? Title: An MPC-Based approach for emergency control ensuring transient stability in power grids with steam plants
? Venue: IEEE Transactions on Industrial Electronics
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 36
? Doi: 10.1109/Tie.2018.2870384
? Scopus ID: 2-s2.0-85054200925
? Issn: 02780046
? Volume: 66
? Issue: 7
? Pages: 5412-5422
? Authors: Bonfiglio Andrea; Cantoni Federico; Oliveri Alberto; Procopio Renato; Rosini Alessandro; Invernizzi Marco; Storace Marco
? Keywords: Constrained optimization | Model-predictive control (MPC) | Power system emergency control
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 33, percentile 96)
? Control and Systems Engineering (Q1, rank 17, percentile 95)
2019:
? Control and Systems Engineering (Q1, rank 3, percentile 98)
? Electrical and Electronic Engineering (Q1, rank 13, percentile 98)
? Source Id: 26053
? Author Ids:
36607521000;57505409900;57200399832;7801615894;57204050700;6701527755;7004134087
? Authoraffiliationids:
60025153;60025153-60032170;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bonfiglio A.

47.

? Title: A power-loss-dependent inductance model for ferrite-core power inductors in switch-mode power supplies
? Venue: IEEE Transactions on Circuits and Systems I Regular Papers
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 43
? Doi: 10.1109/Tcsi.2018.2889856
? Scopus ID: 2-s2.0-85064392033
? Issn: 15498328
? eISSN: 15580806
? Volume: 66
? Issue: 6
? Pages: 2394-2402
? Authors: Oliveri Alberto; Di Capua Giulia; Stoyka Kateryna; Lodi Matteo; Storace Marco; Femia Nicola
? Keywords: Behavioral nonlinear model | high power density | magnetic saturation | power loss
? Quartile:
2025:
? Engineering (all) (Q1, rank 28, percentile 92)
2019:
? Subject (Q1, rank 105, percentile 84)
? Source Id: 11000153733
? Author Ids: 57200399832;36559098800;56997468600;57200266678;7004134087;7003881642
? Authoraffiliationids: 60025153;60007061;60007061;60025153;60025153;60007061
? Corresponding: Oliveri A.

48.

? Title: Dimensional reduction in networks of non-Markovian spiking neurons: Equivalence of synaptic filtering and heterogeneous propagation delays
? Venue: Plos Computational Biology
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 13
? DOI: 10.1371/journal.pcbi.1007404
? Scopus ID: 2-s2.0-85073585247
? Issn: 1553734x
? eISSN: 15537358
? Volume: 15
? Issue: 10
? Authors: Mattia Maurizio; Biggio Matteo; Galluzzi Andrea; Storace Marco
? Quartile:
2025:
? Ecology, Evolution, Behavior and Systematics (Q1, rank 85, percentile 88)
? Modeling and Simulation (Q1, rank 50, percentile 86)
? Ecology (Q1, rank 75, percentile 84)
? Computational Theory and Mathematics (Q1, rank 36, percentile 82)
? Genetics (Q2, rank 103, percentile 71)
? Molecular Biology (Q2, rank 169, percentile 58)
? Cellular and Molecular Neuroscience (Q2, rank 43, percentile 57)
2019:
? Modeling and Simulation (Q1, rank 13, percentile 95)

? Ecology, Evolution, Behavior and Systematics (Q1, rank 41, percentile 93)
? Ecology (Q1, rank 27, percentile 92)
? Computational Theory and Mathematics (Q1, rank 11, percentile 91)
? Genetics (Q1, rank 58, percentile 82)
? Molecular Biology (Q1, rank 89, percentile 76)
? Cellular and Molecular Neuroscience (Q1, rank 21, percentile 75)
? Source Id: 4000151810
? Author Ids: 6604064253;55781513000;55516034200;7004134087
? Authoraffiliationids: 60010062;60025153;60010062;60025153
? Corresponding: Mattia M.

49.

? Title: A toolchain for open-loop compensation of hysteresis and creep in atomic force microscopes
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/IsCAS.2019.8702537
? Scopus ID: 2-s2.0-85066800398
? Issn: 02714310
? Volume: 2019-May
? Authors: Oliveri Alberto; Raiteri Roberto; Lodi Matteo; Storace Marco
? 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: 57200399832;7005989160;57200266678;7004134087
? Authoraffiliationids: 60121711;60121711-60021199;60121711;60121711
? Corresponding: Oliveri A.

50.

? Title: A nonlinear inductance model able to reproduce thermal transient in SMPS simulations
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 19
? Doi: 10.1109/IsCAS.2019.8702418
? Scopus ID: 2-s2.0-85066794294
? Issn: 02714310
? Volume: 2019-May
? Authors: Bizzarri Federico; Lodi Matteo; Oliveri Alberto; Brambilla Angelo; Storace Marco
? 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: 15734590800;57200266678;57200399832;7103297302;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60023256;60025153

? Corresponding: Bizzarri F.

51.

? Title: Digital architecture to realize programmable central pattern generators producing multiple gaits
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/IsCAS.2019.8702635
? Scopus ID: 2-s2.0-85066782661
? Issn: 02714310
? Volume: 2019-May
? Authors: Lodi Matteo; Shilnikov Andrey; Storace Marco
? 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: 57200266678;6602635628;7004134087
? Authoraffiliationids: 60025153;60012387;60025153
? Corresponding: Lodi M.

52.

? Title: Application of a low-cost piezoelectric displacement estimation technique based on laser interferometry for hysteresis open-loop compensation in an AFM scanner
? Venue: Physica B Condensed Matter
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 3
? DOI: 10.1016/j.physb.2017.09.067
? Scopus ID: 2-s2.0-85029740926
? Issn: 09214526
? Volume: 549
? Pages: 43-46
? Authors: Oliveri Alberto; Lodi Matteo; Storace Marco; Raiteri Roberto
? Keywords: AFM | Hysteresis | Interferometry
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 304, percentile 69)
? Condensed Matter Physics (Q2, rank 152, percentile 66)
? Electronic, Optical and Magnetic Materials (Q2, rank 117, percentile 62)
2018:
? Electrical and Electronic Engineering (Q2, rank 261, percentile 61)
? Condensed Matter Physics (Q2, rank 191, percentile 52)
? Electronic, Optical and Magnetic Materials (Q2, rank 110, percentile 51)
? Source Id: 29118
? Author Ids: 57200399832;57200266678;7004134087;7005989160
? Authoraffiliationids: 60025153;60025153;60025153;60025153-60021199
? Corresponding: Oliveri A.

53.

? Title: Model Reduction for Optimized Online Compensation of Hysteresis and Creep in Piezoelectric Actuators

? Venue: IEEE Transactions on Circuits and Systems II Express Briefs
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 13
? Doi: 10.1109/Tcsii.2017.2767287
? Scopus ID: 2-s2.0-85032723969
? Issn: 15497747
? eISSN: 15583791
? Volume: 65
? Issue: 11
? Pages: 1748-1752
? Authors: Oliveri Alberto; Lodi Matteo; Parodi Mauro; Stellino Flavio; Storace Marco
? Keywords: Hysteresis and creep model | open-loop compensation | parameters identification | piezoelectric actuators
? 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: 57200399832;57200266678;35508934400;56613350900;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Oliveri A.

54.

? Title: Accurate Modeling of Inductors Working in Nonlinear Region in Switch-Mode Power Supplies with Different Load Currents
? Venue: Smacd 2018 15th International Conference on Synthesis Modeling Analysis and Simulation Methods and Applications to Circuit Design
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 23
? Doi: 10.1109/Smacd.2018.8434871
? Scopus ID: 2-s2.0-85052508662
? Pages: 233-236
? Authors: Oliveri Alberto; Lodi Matteo; Storace Marco
? Source Id: 21100875437
? Author Ids: 57200399832;57200266678;7004134087
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Oliveri A.

55.

? Title: Modeling and compensation of hysteresis and creep: The HysTool toolbox
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/iscas.2018.8351866
? Scopus ID: 2-s2.0-85057107170
? Issn: 02714310
? Volume: 2018-May
? Authors: Oliveri Alberto; Lodi Matteo; Stellino Flavio; Storace Marco
? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)

2018:

? Electrical and Electronic Engineering (Q3, rank 382, percentile 42)

? Source Id: 56190

? Author Ids: 57200399832;57200266678;56613350900;7004134087

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Oliveri A.

56.

? Title: Design of Minimal Synthetic Circuits with Sensory Feedback for Quadruped Locomotion

? Venue: Proceedings IEEE International Symposium on Circuits and Systems

? Year: 2018

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/IsCAS.2018.8351015

? Scopus ID: 2-s2.0-85057090066

? Issn: 02714310

? Volume: 2018-May

? Authors: Lodi Matteo; Shilnikov Andrey; Storace Marco

? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)

2018:

? Electrical and Electronic Engineering (Q3, rank 382, percentile 42)

? Source Id: 56190

? Author Ids: 57200266678;6602635628;7004134087

? Authoraffiliationids: 60025153;60012387;60025153

? Corresponding: Lodi M.

57.

? Title: Design of Synthetic Central Pattern Generators Producing Desired Quadruped Gaits

? Venue: IEEE Transactions on Circuits and Systems I Regular Papers

? Year: 2018

? Type: Journal

? Subtype: Article

? Citations: 16

? Doi: 10.1109/Tcsi.2017.2759320

? Scopus ID: 2-s2.0-85032454621

? Issn: 15498328

? eISSN: 15580806

? Volume: 65

? Issue: 3

? Pages: 1028-1039

? Authors: Lodi Matteo; Shilnikov Andrey; Storace Marco

? Keywords: bifurcation analysis | Central pattern generators | dynamical systems

? Quartile:

2025:

? Engineering (all) (Q1, rank 28, percentile 92)

2018:

? Subject (Q1, rank 87, percentile 87)

? Source Id: 11000153733

? Author Ids: 57200266678;6602635628;7004134087

? Authoraffiliationids: 60025153;60012387;60025153

? Corresponding: Lodi M.

58.

? Title: Basic concepts

? Venue: Lecture Notes in Electrical Engineering

? Year: 2018

? Type: Book Series

? Subtype: Book Chapter

? Citations: 0

? Doi: 10.1007/978-3-319-61234-8_3

? Scopus ID: 2-s2.0-85021757331

? Issn: 18761100

? eISSN: 18761119

? Volume: 441

? Pages: 49-92

? Authors: Parodi Mauro; Storace Marco

? Quartile:

2025:

? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)

2018:

? Industrial and Manufacturing Engineering (Q3, rank 227, percentile 32)

? Source Id: 19700186822

? Author Ids: 35508934400;7004134087

? Authoraffiliationids: 60025153;60025153

? Corresponding: Parodi M.

59.

? Title: Advanced concepts

? Venue: Lecture Notes in Electrical Engineering

? Year: 2018

? Type: Book Series

? Subtype: Book Chapter

? Citations: 0

? Doi: 10.1007/978-3-319-61234-8_2

? Scopus ID: 2-s2.0-85021751390

? Issn: 18761100

? eISSN: 18761119

? Volume: 441

? Pages: 23-45

? Authors: Parodi Mauro; Storace Marco

? Quartile:

2025:

? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)

2018:

? Industrial and Manufacturing Engineering (Q3, rank 227, percentile 32)

? Source Id: 19700186822

? Author Ids: 35508934400;7004134087

? Authoraffiliationids: 60025153;60025153

? Corresponding: Parodi M.

60.

? Title: Advanced concepts

? Venue: Lecture Notes in Electrical Engineering

? Year: 2018

? Type: Book Series

? Subtype: Book Chapter

? Citations: 0
? Doi: 10.1007/978-3-319-61234-8_4
? Scopus ID: 2-s2.0-85021741721
? Issn: 18761100
? eISSN: 18761119
? Volume: 441
? Pages: 93-110
? Authors: Parodi Mauro; Storace Marco
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
2018:
? Industrial and Manufacturing Engineering (Q3, rank 227, percentile 32)
? Source Id: 19700186822
? Author Ids: 35508934400;7004134087
? Authoraffiliationids: 60025153;60025153
? Corresponding: Parodi M.

61.

? Title: Basic concepts
? Venue: Lecture Notes in Electrical Engineering
? Year: 2018
? Type: Book Series
? Subtype: Book Chapter
? Citations: 0
? Doi: 10.1007/978-3-319-61234-8_1
? Scopus ID: 2-s2.0-85021737348
? Issn: 18761100
? eISSN: 18761119
? Volume: 441
? Pages: 3-22
? Authors: Parodi Mauro; Storace Marco
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
2018:
? Industrial and Manufacturing Engineering (Q3, rank 227, percentile 32)
? Source Id: 19700186822
? Author Ids: 35508934400;7004134087
? Authoraffiliationids: 60025153;60025153
? Corresponding: Parodi M.

62.

? Title: Advanced concepts
? Venue: Lecture Notes in Electrical Engineering
? Year: 2018
? Type: Book Series
? Subtype: Book Chapter
? Citations: 0
? Doi: 10.1007/978-3-319-61234-8_6
? Scopus ID: 2-s2.0-85021721993
? Issn: 18761100
? eISSN: 18761119
? Volume: 441
? Pages: 165-181
? Authors: Parodi Mauro; Storace Marco

? Quartile:

2025:

? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)

2018:

? Industrial and Manufacturing Engineering (Q3, rank 227, percentile 32)

? Source Id: 19700186822

? Author Ids: 35508934400;7004134087

? Authoraffiliationids: 60025153;60025153

? Corresponding: Parodi M.

63.

? Title: Basic concepts

? Venue: Lecture Notes in Electrical Engineering

? Year: 2018

? Type: Book Series

? Subtype: Book Chapter

? Citations: 0

? Doi: 10.1007/978-3-319-61234-8_5

? Scopus ID: 2-s2.0-85021720771

? Issn: 18761100

? eISSN: 18761119

? Volume: 441

? Pages: 113-163

? Authors: Parodi Mauro; Storace Marco

? Quartile:

2025:

? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)

2018:

? Industrial and Manufacturing Engineering (Q3, rank 227, percentile 32)

? Source Id: 19700186822

? Author Ids: 35508934400;7004134087

? Authoraffiliationids: 60025153;60025153

? Corresponding: Parodi M.

64.

? Title: Advanced concepts

? Venue: Lecture Notes in Electrical Engineering

? Year: 2018

? Type: Book Series

? Subtype: Book Chapter

? Citations: 0

? Doi: 10.1007/978-3-319-61234-8_8

? Scopus ID: 2-s2.0-85021714073

? Issn: 18761100

? eISSN: 18761119

? Volume: 441

? Pages: 227-254

? Authors: Parodi Mauro; Storace Marco

? Quartile:

2025:

? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)

2018:

? Industrial and Manufacturing Engineering (Q3, rank 227, percentile 32)

? Source Id: 19700186822

? Author Ids: 35508934400;7004134087

? Authoraffiliationids: 60025153;60025153

- ? Corresponding: Parodi M.
- 65.
- ? Title: Basic concepts
- ? Venue: Lecture Notes in Electrical Engineering
- ? Year: 2018
- ? Type: Book Series
- ? Subtype: Book Chapter
- ? Citations: 0
- ? Doi: 10.1007/978-3-319-61234-8_7
- ? Scopus ID: 2-s2.0-85021711609
- ? Issn: 18761100
- ? eISSN: 18761119
- ? Volume: 441
- ? Pages: 185-225
- ? Authors: Parodi Mauro; Storace Marco
- ? Quartile:
- 2025:
- ? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
- 2018:
- ? Industrial and Manufacturing Engineering (Q3, rank 227, percentile 32)
- ? Source Id: 19700186822
- ? Author Ids: 35508934400;7004134087
- ? Authoraffiliationids: 60025153;60025153
- ? Corresponding: Parodi M.
- 66.
- ? Title: High-speed explicit nonlinear model predictive control
- ? Venue: 2017 European Conference on Circuit Theory and Design Ecctd 2017
- ? Year: 2017
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 3
- ? Doi: 10.1109/Ecctd.2017.8093239
- ? Scopus ID: 2-s2.0-85039915128
- ? Authors: Oliveri Alberto; Lodi Matteo; Storace Marco
- ? Source Id: 21100844807
- ? Author Ids: 57200399832;57200266678;7004134087
- ? Authoraffiliationids: 60025153;60025153;60025153
- ? Corresponding: Oliveri A.
- 67.
- ? Title: Welcome message from the technical program chairs
- ? Venue: Proceedings 2017 1st New Generation of CAS Ngcas 2017
- ? Year: 2017
- ? Type: Conference Proceeding
- ? Subtype: Editorial
- ? Citations: 0
- ? Doi: 10.1109/Ngcas.2017.7
- ? Scopus ID: 2-s2.0-85034446121
- ? Pages: xv
- ? Authors: Blokhina Elena; Storace Marco
- ? Source Id: 21100838549
- ? Author Ids: 6603394959;7004134087
- ? Corresponding: Blokhina E.
- 68.
- ? Title: CEPAGE: A toolbox for Central Pattern Generator analysis

? Venue: Proceedings IEEE International Symposium on Circuits and Systems

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 11

? Doi: 10.1109/Isccas.2017.8050580

? Scopus ID: 2-s2.0-85032690058

? Issn: 02714310

? Authors: Lodi Matteo; Shilnikov Andrey; Storace Marco

? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)

2017:

? Electrical and Electronic Engineering (Q3, rank 366, percentile 45)

? Source Id: 56190

? Author Ids: 57200266678;6602635628;7004134087

? Authoraffiliationids: 60025153;60012387;60025153

? Corresponding: Lodi M.

69.

? Title: Low-cost acquisition method for on-line inductor characterization in switched power converters

? Venue: Smacd 2017 14th International Conference on Synthesis Modeling Analysis and Simulation Methods and Applications to Circuit Design

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? Doi: 10.1109/Smacd.2017.7981617

? Scopus ID: 2-s2.0-85027492656

? Authors: Lodi Matteo; Oliveri Alberto; Storace Marco

? Source Id: 21100827202

? Author Ids: 57200266678;57200399832;7004134087

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Lodi M.

70.

? Title: Ferrite inductor models for switch-mode power supplies analysis and design

? Venue: Smacd 2017 14th International Conference on Synthesis Modeling Analysis and Simulation Methods and Applications to Circuit Design

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 27

? Doi: 10.1109/Smacd.2017.7981622

? Scopus ID: 2-s2.0-85027491880

? Authors: Di Capua G.; Femia N.; Stoyka K.; Lodi M.; Oliveri A.; Storace M.

? Keywords: Inductors | Saturation | Switch-Mode Power Supplies

? Source Id: 21100827202

? Author Ids: 36559098800;7003881642;56997468600;57200266678;57200399832;7004134087

? Authoraffiliationids: 60007061;60007061;60007061;60025153;60025153;60025153

? Corresponding: Di Capua G.

71.

? Title: A Switched Predictive Controller for an Electrical Powertrain System with Backlash

? Venue: IEEE Transactions on Power Electronics

? Year: 2017
? Type: Journal
? Subtype: Article
? Citations: 49
? Doi: 10.1109/Tpel.2016.2587756
? Scopus ID: 2-s2.0-85012284294
? Issn: 08858993
? Volume: 32
? Issue: 5
? Pages: 4036-4047
? Authors: Formentini Andrea; Oliveri Alberto; Marchesoni Mario; Storace Marco
? Keywords: Backlash | Model predictive control (MPC) | Permanent magnet synchronous motors (PMSMs)
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 50, percentile 95)
2017:
? Electrical and Electronic Engineering (Q1, rank 9, percentile 98)
? Source Id: 26055
? Author Ids: 55370605300;57200399832;6701827441;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Formentini A.

72.

? Title: Phase analysis method for burst onset prediction
? Venue: Physical Review E
? Year: 2017
? Type: Journal
? Subtype: Article
? Citations: 0
? DOI: 10.1103/PhysRevE.95.022412
? Scopus ID: 2-s2.0-85014342064
? Issn: 24700045
? eISSN: 24700053
? Volume: 95
? Issue: 2
? Authors: Stellino Flavio; Mazzoni Alberto; Storace Marco
? Quartile:
2025:
? Statistics and Probability (Q1, rank 50, percentile 83)
? Statistical and Nonlinear Physics (Q2, rank 23, percentile 64)
? Condensed Matter Physics (Q2, rank 208, percentile 53)
2017:
? Statistics and Probability (Q1, rank 13, percentile 93)
? Statistical and Nonlinear Physics (Q1, rank 5, percentile 88)
? Condensed Matter Physics (Q1, rank 89, percentile 77)
? Source Id: 21100855841
? Author Ids: 56613350900;25931530400;7004134087
? Authoraffiliationids: 60025153;60028039;60025153
? Corresponding: Stellino F.

73.

? Title: Two FPGA-Oriented High-Speed Irradiance Virtual Sensors for Photovoltaic Plants
? Venue: IEEE Transactions on Industrial Informatics
? Year: 2017

? Type: Journal
? Subtype: Article
? Citations: 27
? Doi: 10.1109/Tii.2015.2462293
? Scopus ID: 2-s2.0-85027587683
? Issn: 15513203
? Volume: 13
? Issue: 1
? Pages: 157-165
? Authors: Oliveri Alberto; Cassottana Luca; Laudani Antonino; Riganti Fulginei Francesco; Lozito Gabriele Maria; Salvini Alessandro; Storace Marco
? Keywords: Field programmable gate arrays (FPGAs) | neural networks (NNs) | photovoltaic (PV) power systems | piecewise linear techniques | solar radiation
? 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)
2017:
? Computer Science Applications (Q1, rank 8, percentile 98)
? Information Systems (Q1, rank 6, percentile 97)
? Control and Systems Engineering (Q1, rank 6, percentile 97)
? Electrical and Electronic Engineering (Q1, rank 18, percentile 97)
? Source Id: 144912
? Author Ids:
57200399832;57195377313;35614315000;57226070603;56088424900;7004998609;7004134087
? Authoraffiliationids: 60025153;60025153;60012630;60012630;60012630;60012630;60025153
? Corresponding: Oliveri A.

74.

? Title: A circuit model for open-loop compensation of hysteresis
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Isccas.2016.7538985
? Scopus ID: 2-s2.0-84983412432
? Issn: 02714310
? Volume: 2016-July
? Pages: 2066-2069
? Authors: Oliveri Alberto; Stellino Flavio; Parodi Mauro; Storace Marco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
2016:
? Electrical and Electronic Engineering (Q3, rank 345, percentile 47)
? Source Id: 56190
? Author Ids: 57200399832;56613350900;35508934400;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Oliveri A.

75.

? Title: Hysteresis and creep: Comparison between a power-law model and Kuhnen's model
? Venue: Physica B Condensed Matter

? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 6
? DOI: 10.1016/j.physb.2015.10.039
? Scopus ID: 2-s2.0-84959521068
? Issn: 09214526
? Volume: 486
? Pages: 2-6
? Authors: Oliveri Alberto; Stellino Flavio; Parodi Mauro; Storace Marco
? Keywords: Creep | Modeling | Piezoelectric actuators | Piezoelectric hysteresis
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 304, percentile 69)
? Condensed Matter Physics (Q2, rank 152, percentile 66)
? Electronic, Optical and Magnetic Materials (Q2, rank 117, percentile 62)
2016:
? Electrical and Electronic Engineering (Q2, rank 204, percentile 68)
? Condensed Matter Physics (Q2, rank 159, percentile 60)
? Electronic, Optical and Magnetic Materials (Q2, rank 89, percentile 59)
? Source Id: 29118
? Author Ids: 57200399832;56613350900;35508934400;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Oliveri A.

76.

? Title: BAL: A library for the brute-force analysis of dynamical systems
? Venue: Computer Physics Communications
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 2
? DOI: 10.1016/j.cpc.2015.11.003
? Scopus ID: 2-s2.0-84955619594
? Issn: 00104655
? Volume: 201
? Pages: 126-134
? Authors: Linaro Daniele; Storace Marco
? Keywords: Bifurcation analysis | Lyapunov exponents | Nonlinear systems | ODEs
? Quartile:
2025:
? Hardware and Architecture (Q1, rank 14, percentile 94)
? Physics and Astronomy (all) (Q1, rank 17, percentile 93)
2016:
? Physics and Astronomy (all) (Q1, rank 12, percentile 94)
? Hardware and Architecture (Q1, rank 10, percentile 93)
? Source Id: 13184
? Author Ids: 24587496200;7004134087
? Authoraffiliationids: 60000145;60025153
? Corresponding: Linaro D.

77.

? Title: Open-Loop Compensation of Hysteresis and Creep Through a Power-Law Circuit Model
? Venue: IEEE Transactions on Circuits and Systems I Regular Papers
? Year: 2016

? Type: Journal
 ? Subtype: Article
 ? Citations: 27
 ? Doi: 10.1109/Tcsi.2016.2515420
 ? Scopus ID: 2-s2.0-84978001777
 ? Issn: 15498328
 ? eISSN: 15580806
 ? Volume: 63
 ? Issue: 3
 ? Pages: 413-422
 ? Authors: Oliveri Alberto; Stellino Flavio; Caluori Guido; Parodi Mauro; Storace Marco
 ? Keywords: Compensator | creep | hysteresis | modeling | multi-scale dynamics | nonlinear circuits
 ? Quartile:
 2025:
 ? Engineering (all) (Q1, rank 28, percentile 92)
 2016:
 ? Subject (Q1, rank 50, percentile 92)
 ? Source Id: 11000153733
 ? Author Ids: 57200399832;56613350900;57188590173;35508934400;7004134087
 ? Authoraffiliationids: 60025153;60025153;60121711;60025153;60025153
 ? Corresponding: Oliveri A.

78.

? Title: A mathematical model for the vessel recruitment in coronary microcirculation in the absence of active autoregulation
 ? Venue: Microvascular Research
 ? Year: 2016
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 2
 ? DOI: 10.1016/j.mvr.2015.11.006
 ? Scopus ID: 2-s2.0-84961691699
 ? Issn: 00262862
 ? eISSN: 10959319
 ? Volume: 104
 ? Pages: 38-45
 ? Authors: Saracco Alice; Bauckneht Matteo; Verna Edoardo; Ghiringhelli Sergio; Repetto Rodolfo; Sambuceti Gianmario; Provasoli Stefano; Storace Marco
 ? Keywords: Capillary pressure | Coronary microcirculation | Mathematical model of microcirculation | Vessels recruitment
 ? Quartile:
 2025:
 ? Cardiology and Cardiovascular Medicine (Q1, rank 95, percentile 76)
 ? Biochemistry (Q2, rank 174, percentile 61)
 ? Cell Biology (Q3, rank 145, percentile 49)
 2016:
 ? Cardiology and Cardiovascular Medicine (Q1, rank 81, percentile 75)
 ? Biochemistry (Q2, rank 156, percentile 60)
 ? Cell Biology (Q3, rank 143, percentile 45)
 ? Source Id: 23948
 ? Author Ids: 57188570977;55617887700;7003698001;6603874453;7003780179;7005514155;13611032500;7004134087
 ? Authoraffiliationids:
 60025153;60107402;60027475;60027475;60025153;60107402;60027475;60025153

? Corresponding: Saracco A.

79.

? Title: Estimation of stepping motor current from long distances through cable-length-adaptive piecewise affine virtual sensor

? Venue: Acta Imeko

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 0

? DOI: 10.21014/acta_imeko.v4i3.249

? Scopus ID: 2-s2.0-84944456785

? Issn: 0237028x

? eISSN: 2221870X

? Volume: 4

? Issue: 3

? Pages: 53-58

? Authors: Oliveri Alberto; Butcher Mark; Masi Alessandro; Storace Marco

? Keywords: Estimation | FPGA | Piecewise-affine functions | Virtual sensor

? Quartile:

2025:

? Instrumentation (Q2, rank 88, percentile 53)

? Electrical and Electronic Engineering (Q2, rank 482, percentile 51)

? Mechanical Engineering (Q3, rank 373, percentile 49)

2015:

? Mechanical Engineering (Q4, rank 454, percentile 14)

? Electrical and Electronic Engineering (Q4, rank 592, percentile 10)

? Instrumentation (Q4, rank 94, percentile 10)

? Source Id: 21100407601

? Author Ids: 57200399832;22957121400;22980071200;7004134087

? Authoraffiliationids: 60025153;60019778;60019778;60025153

? Corresponding: Oliveri A.

80.

? Title: Automatic Domain Partitioning of Piecewise-Affine Simplicial Functions
Implementing Model Predictive Controllers

? Venue: IEEE Transactions on Circuits and Systems II Express Briefs

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 10

? Doi: 10.1109/Tcsii.2015.2435971

? Scopus ID: 2-s2.0-84941028313

? Issn: 15497747

? eISSN: 15583791

? Volume: 62

? Issue: 9

? Pages: 886-890

? Authors: Oliveri Alberto; Reimers Martin; Storace Marco

? Keywords: multidimensional systems | nonlinear systems | Piecewise linear
approximation

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 97, percentile 90)

? Source Id: 9500153930

? Author Ids: 57200399832;6603794783;7004134087

? Authoraffiliationids: 60025153;60010348;60025153

? Corresponding: Oliveri A.

81.

? Title: A low-complexity circuit model of hysteresis

? Venue: Proceedings IEEE International Symposium on Circuits and Systems

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/IsCAS.2015.7168886

? Scopus ID: 2-s2.0-84946234958

? Issn: 02714310

? Volume: 2015-July

? Pages: 1326-1329

? Authors: Biggio Matteo; Stellino Flavio; Parodi Mauro; Storace Marco

? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)

2015:

? Electrical and Electronic Engineering (Q3, rank 414, percentile 37)

? Source Id: 56190

? Author Ids: 55781513000;56613350900;35508934400;7004134087

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Biggio M.

82.

? Title: Low-complexity digital architecture for solving the point location problem in explicit Model Predictive Control

? Venue: Journal of the Franklin Institute

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 7

? DOI: 10.1016/j.jfranklin.2015.03.018

? Scopus ID: 2-s2.0-84929294126

? Issn: 00160032

? Volume: 352

? Issue: 6

? Pages: 2249-2258

? Authors: Oliveri Alberto; Gianoglio Christian; Ragusa Edoardo; Storace Marco

? 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)

2015:

? Applied Mathematics (Q1, rank 36, percentile 91)

? Control and Systems Engineering (Q1, rank 33, percentile 84)

? Computer Networks and Communications (Q1, rank 43, percentile 81)

? Signal Processing (Q1, rank 17, percentile 81)

? Source Id: 27959

? Author Ids: 57200399832;56580140000;56580248800;7004134087

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Oliveri A.

83.

? Title: A circuit model of hysteresis and creep
? Venue: IEEE Transactions on Circuits and Systems II Express Briefs
? Year: 2015
? Type: Journal
? Subtype: Article
? Citations: 17
? Doi: 10.1109/Tcsii.2014.2385412
? Scopus ID: 2-s2.0-84928785563
? Issn: 15497747
? eISSN: 15583791
? Volume: 62
? Issue: 5
? Pages: 501-505
? Authors: Biggio Matteo; Oliveri Alberto; Stellino Flavio; Parodi Mauro; Storace Marco
? Keywords: creep | Hysteresis | identification | modeling | nonlinear circuits
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 97, percentile 90)
? Source Id: 9500153930
? Author Ids: 55781513000;57200399832;56613350900;35508934400;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Biggio M.

84.

? Title: Efficient transient noise analysis of non-periodic mixed analogue/digital circuits
? Venue: IET Circuits Devices and Systems
? Year: 2015
? Type: Journal
? Subtype: Article
? Citations: 5
? DOI: 10.1049/iet-cds.2013.0438
? Scopus ID: 2-s2.0-84927659774
? Issn: 1751858x
? Volume: 9
? Issue: 2
? Pages: 73-80
? Authors: Biggio Matteo; Bizzarri Federico; Brambilla Angelo; Storace Marco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 375, percentile 62)
? Control and Systems Engineering (Q2, rank 145, percentile 62)
2015:
? Electrical and Electronic Engineering (Q2, rank 319, percentile 51)
? Control and Systems Engineering (Q3, rank 116, percentile 46)
? Source Id: 5400152712
? Author Ids: 55781513000;15734590800;7103297302;7004134087
? Authoraffiliationids: 60025153;60023256;60023256;60025153
? Corresponding: Biggio M.

85.

? Title: Transient dynamics of an adiabatic NEMS
? Venue: Annalen Der Physik
? Year: 2014
? Type: Journal

? Subtype: Article
? Citations: 9
? DOI: 10.1002/andp.201400140
? Scopus ID: 2-s2.0-84914129006
? Issn: 00033804
? eISSN: 15213889
? Volume: 526
? Issue: 11-12
? Pages: 541-554
? Authors: Biggio Matteo; Cavaliere Fabio; Storace Marco; Sassetti Maura
? Quartile:
2025:
? Physics and Astronomy (all) (Q1, rank 56, percentile 77)
2014:
? Physics and Astronomy (all) (Q1, rank 27, percentile 86)
? Source Id: 26998
? Author Ids: 55781513000;15123900300;7004134087;7003904894
? Authoraffiliationids: 60025153;60025153-60105685;60025153;60025153-60105685
? Corresponding: Biggio M.

86.

? Title: Accurate and efficient PSD computation in mixed-signal circuits: A time-domain approach
? Venue: IEEE Transactions on Circuits and Systems II Express Briefs
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 12
? Doi: 10.1109/Tcsii.2014.2356873
? Scopus ID: 2-s2.0-84910067942
? Issn: 15497747
? eISSN: 15583791
? Volume: 61
? Issue: 11
? Pages: 905-909
? Authors: Biggio Matteo; Bizzarri Federico; Brambilla Angelo; Storace Marco
? Keywords: Circuit simulation | mixed analog/digital circuits | power-spectral density (PSD) | saltation matrix | stochastic integral | time-domain noise analysis | variational model
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 97, percentile 90)
? Source Id: 9500153930
? Author Ids: 55781513000;15734590800;7103297302;7004134087
? Authoraffiliationids: 60025153;60023256-60028218;60023256;60025153
? Corresponding: Biggio M.

87.

? Title: Low-complexity piecewise-affine virtual sensors: Theory and design
? Venue: International Journal of Control
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 5
? Doi: 10.1080/00207179.2013.852250
? Scopus ID: 2-s2.0-84893944904

? Issn: 00207179
? eISSN: 13665820
? Volume: 87
? Issue: 3
? Pages: 622-632
? Authors: Rubagotti Matteo; Poggi Tomaso; Oliveri Alberto; Pascucci Carlo Alberto; Bemporad Alberto; Storace Marco
? Keywords: digital circuits | nonlinear observers | piecewise-affine functions
? Quartile:
2025:
? Control and Systems Engineering (Q2, rank 134, percentile 64)
? Computer Science Applications (Q2, rank 404, percentile 58)
2014:
? Control and Systems Engineering (Q1, rank 51, percentile 75)
? Computer Science Applications (Q2, rank 127, percentile 74)
? Source Id: 12342
? Author Ids: 24725558700;24588146700;57200399832;44961452400;7005030586;7004134087
? Authoraffiliationids: 60104301;113114649;60025153;60102060;60102060;60025153
? Corresponding: Rubagotti M.

88.

? Title: Memory characteristics of hysteresis and creep in multi-layer piezoelectric actuators: An experimental analysis
? Venue: Physica B Condensed Matter
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 17
? DOI: 10.1016/j.physb.2013.09.041
? Scopus ID: 2-s2.0-84893650028
? Issn: 09214526
? Volume: 435
? Pages: 40-43
? Authors: Biggio Matteo; Butcher Mark; Giustiniani Alessandro; Masi Alessandro; Storace Marco
? Keywords: Creep | Piezoelectric actuators | Piezoelectric hysteresis | Preisach model
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 304, percentile 69)
? Condensed Matter Physics (Q2, rank 152, percentile 66)
? Electronic, Optical and Magnetic Materials (Q2, rank 117, percentile 62)
2014:
? Electrical and Electronic Engineering (Q2, rank 183, percentile 71)
? Electronic, Optical and Magnetic Materials (Q2, rank 77, percentile 63)
? Condensed Matter Physics (Q2, rank 150, percentile 62)
? Source Id: 29118
? Author Ids: 55781513000;22957121400;24314610100;22980071200;7004134087
? Authoraffiliationids: 60025153;60019778;60019778-60004300;60019778-60004300;60025153
? Corresponding: Biggio M.

89.

? Title: Improving power grids transient stability via Model Predictive Control
? Venue: Proceedings 2014 Power Systems Computation Conference Psc 2014
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 27
? Doi: 10.1109/Pscc.2014.7038364
? Scopus ID: 2-s2.0-84946687291
? Authors: Bonfiglio A.; Oliveri A.; Procopio R.; Delfino F.; Denegri G. B.; Invernizzi M.; Storace M.
? Keywords: emergency control | load shedding | MPC | stability
? Source Id: 21100377750
? Author Ids:
36607521000;57200399832;7801615894;6603766602;7004649825;6701527755;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bonfiglio A.

90.

? Title: Piecewise affine virtual sensor: A case study - Estimation of stepping motor current from long distances
? Venue: 20th Imeko Tc4 Symposium on Measurements of Electrical Quantities Research on Electrical and Electronic Measurement for the Economic Upturn Together with 18th Tc4 International Workshop on ADC and Dca Modeling and Testing Iwadc 2014
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Scopus ID: 2-s2.0-84918832128
? Pages: 445-449
? Authors: Oliveri A.; Butcher M.; Masi A.; Storace M.
? Source Id: 21100356014
? Author Ids: 57200399832;22957121400;22980071200;7004134087
? Authoraffiliationids: 60025153;60019778;60019778;60025153
? Corresponding: Oliveri A.

91.

? Title: Low-power wireless accelerometer-based system for wear detection of bandsaw blades
? Venue: IEEE International Conference on Industrial Informatics Indin
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Indin.2013.6622957
? Scopus ID: 2-s2.0-84889017877
? Issn: 19354576
? Pages: 630-635
? Authors: Magno M.; Popovici E.; Bravin A.; Libri A.; Storace M.; Benini L.
? Keywords: data processing | IWSN | low power wireless solution | wear detection | WSN
? Quartile:
2025:
? Information Systems (Q3, rank 332, percentile 33)
? Computer Science Applications (Q3, rank 695, percentile 29)
? Source Id: 10900153316
? Author Ids: 23097444700;57223136665;57210652943;55948755500;7004134087;35556997000
? Authoraffiliationids: 60025160;60025160;60025153;60025153;60025153;60028218
? Corresponding: Magno M.

92.

? Title: Nonlinear behavioural model of charge pump PLLs
? Venue: International Journal of Circuit Theory and Applications
? Year: 2013

- ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 21
 - ? DOI: 10.1002/cta.1813
 - ? Scopus ID: 2-s2.0-84886395371
 - ? Issn: 00989886
 - ? eISSN: 1097007X
 - ? Volume: 41
 - ? Issue: 10
 - ? Pages: 1027-1046
 - ? Authors: Brambilla Angelo; Linaro Daniele; Storace Marco
 - ? Keywords: locking range | PLL | switching system | VCO dynamics
 - ? Quartile:
 - 2025:
 - ? Applied Mathematics (Q2, rank 183, percentile 72)
 - ? Electrical and Electronic Engineering (Q2, rank 422, percentile 57)
 - ? Computer Science Applications (Q2, rank 471, percentile 52)
 - ? Electronic, Optical and Magnetic Materials (Q3, rank 170, percentile 45)
 - 2013:
 - ? Applied Mathematics (Q1, rank 65, percentile 83)
 - ? Electrical and Electronic Engineering (Q1, rank 132, percentile 79)
 - ? Electronic, Optical and Magnetic Materials (Q1, rank 44, percentile 78)
 - ? Computer Science Applications (Q2, rank 124, percentile 74)
 - ? Source Id: 17963
 - ? Author Ids: 7103297302;24587496200;7004134087
 - ? Authoraffiliationids: 60023256;60025153;60025153
 - ? Corresponding: Brambilla A.
- 93.
- ? Title: Effects of numerical noise floor on the accuracy of time domain noise analysis in circuit simulators
 - ? Venue: Proceedings IEEE International Symposium on Circuits and Systems
 - ? Year: 2013
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 3
 - ? Doi: 10.1109/IsCAS.2013.6572434
 - ? Scopus ID: 2-s2.0-84883344002
 - ? Issn: 02714310
 - ? Pages: 2694-2697
 - ? Authors: Biggio Matteo; Bizzarri Federico; Brambilla Angelo; Storace Marco
 - ? Quartile:
 - 2025:
 - ? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
 - 2013:
 - ? Electrical and Electronic Engineering (Q3, rank 390, percentile 38)
 - ? Source Id: 56190
 - ? Author Ids: 55781513000;15734590800;7103297302;7004134087
 - ? Authoraffiliationids: 60025153;60023256;60023256;60025153
 - ? Corresponding: Biggio M.
- 94.
- ? Title: An algorithm for automatic domain partitioning of piecewise-affine model predictive control laws
 - ? Venue: Proceedings of the IEEE International Conference on Electronics Circuits and Systems

? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Icecs.2013.6815393
? Scopus ID: 2-s2.0-84901412378
? Pages: 217-220
? Authors: Oliveri Alberto; Canepa Alessio; Queirolo Leonardo; Storace Marco
? Source Id: 91096
? Author Ids: 57200399832;7004014399;56179753300;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Oliveri A.

95.

? Title: Reliable and efficient phase noise simulation of mixed-mode integer-N Phase-Locked Loops
? Venue: 2013 European Conference on Circuit Theory and Design Ecctd 2013 Proceedings
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 9
? DOI: 10.1109/ecctd.2013.6662284
? Scopus ID: 2-s2.0-84892660662
? Authors: Biggio Matteo; Bizzarri Federico; Brambilla Angelo; Carlini Giorgio; Storace Marco
? Source Id: 21100999595
? Author Ids: 55781513000;15734590800;7103297302;6602861946;7004134087
? Authoraffiliationids: 60025153;60023256;60023256;60025153;60025153
? Corresponding: Biggio M.

96.

? Title: Design and circuit implementation of approximate switched MPC
? Venue: 2013 European Conference on Circuit Theory and Design Ecctd 2013 Proceedings
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? DOI: 10.1109/ecctd.2013.6662329
? Scopus ID: 2-s2.0-84892652601
? Authors: Oliveri A.; Lodi M.; Storace M.
? Source Id: 21100997143
? Author Ids: 57200399832;57200266678;7004134087
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Oliveri A.

97.

? Title: Hardware-in-the-loop simulations of circuit architectures for the computation of exact and approximate explicit MPC control functions
? Venue: 2012 19th IEEE International Conference on Electronics Circuits and Systems Icecs 2012
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 13
? Doi: 10.1109/Icecs.2012.6463722
? Scopus ID: 2-s2.0-84874624674
? Pages: 380-383

? Authors: Oliveri Alberto; Storace Marco
? Source Id: 21100230013
? Author Ids: 57200399832;7004134087
? Authoraffiliationids: 60025153;60025153
? Corresponding: Oliveri A.

98.

? Title: FPGA implementation of optimal and approximate model predictive control for a buck-boost DC-DC converter
? Venue: Proceedings of the IEEE International Conference on Control Applications
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 21
? Doi: 10.1109/Cca.2012.6402444
? Scopus ID: 2-s2.0-84873143733
? Pages: 1417-1423
? Authors: Spinu Veaceslav; Oliveri Alberto; Lazar Mircea; Storace Marco
? Source Id: 145225
? Author Ids: 51462074600;57200399832;15077814300;7004134087
? Authoraffiliationids: 60032882;60025153;60032882;60025153
? Corresponding: Spinu V.

99.

? Title: Codimension-two homoclinic bifurcations underlying spike adding in the Hindmarsh-Rose Burster
? Venue: SIAM Journal on Applied Dynamical Systems
? Year: 2012
? Type: Journal
? Subtype: Article
? Citations: 48
? Doi: 10.1137/110848931
? Scopus ID: 2-s2.0-84866434344
? eISSN: 15360040
? Volume: 11
? Issue: 3
? Pages: 939-962
? Authors: Linaro Daniele; Champneys Alan; Desroches Mathieu; Storace Marco
? Keywords: Bifurcation analysis | Codimension-two homoclinic degeneracies | Hindmarsh-Rose model | Period adding
? Quartile:
2025:
? Analysis (Q1, rank 33, percentile 84)
? Modeling and Simulation (Q2, rank 154, percentile 59)
2012:
? Analysis (Q1, rank 11, percentile 90)
? Modeling and Simulation (Q2, rank 60, percentile 71)
? Source Id: 26403
? Author Ids: 24587496200;7006586112;23990353700;7004134087
? Authoraffiliationids: 60025153-60012937;60020650;60032401;60025153
? Corresponding: Linaro D.

100.

? Title: High-speed piecewise affine virtual sensors
? Venue: IEEE Transactions on Industrial Electronics
? Year: 2012
? Type: Journal

? Subtype: Article
? Citations: 18
? Doi: 10.1109/Tie.2011.2161064
? Scopus ID: 2-s2.0-80054827169
? Issn: 02780046
? Volume: 59
? Issue: 2
? Pages: 1228-1237
? Authors: Poggi Tomaso; Rubagotti Matteo; Bemporad Alberto; Storace Marco
? Keywords: Digital circuits | nonlinear observers | piecewise affine (PWA) functions | virtual sensors
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 33, percentile 96)
? Control and Systems Engineering (Q1, rank 17, percentile 95)
2012:
? Control and Systems Engineering (Q1, rank 1, percentile 99)
? Subject (Q1, rank 2, percentile 99)
? Electrical and Electronic Engineering (Q1, rank 6, percentile 99)
? Source Id: 26053
? Author Ids: 24588146700;24725558700;7005030586;7004134087
? Authoraffiliationids: 60025153;60015986;60102060;60015986
? Corresponding: Poggi T.

101.

? Title: Piecewise affine direct virtual sensors with reduced complexity
? Venue: Proceedings of the IEEE Conference on Decision and Control
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Cdc.2012.6426755
? Scopus ID: 2-s2.0-84874276988
? Issn: 07431546
? eISSN: 25762370
? Pages: 656-661
? Authors: Rubagotti Matteo; Poggi Tomaso; Bemporad Alberto; Storace Marco
? Quartile:
2025:
? Control and Optimization (Q3, rank 90, percentile 49)
? Modeling and Simulation (Q3, rank 233, percentile 38)
? Control and Systems Engineering (Q3, rank 236, percentile 38)
2012:
? Control and Systems Engineering (Q2, rank 89, percentile 54)
? Modeling and Simulation (Q3, rank 105, percentile 49)
? Control and Optimization (Q3, rank 26, percentile 49)
? Source Id: 87424
? Author Ids: 24725558700;24588146700;7005030586;7004134087
? Authoraffiliationids: 60104301;112674775;60102060;60025153
? Corresponding: Rubagotti M.

102.

? Title: FPGA implementations of piecewise affine functions based on multi-resolution hyperrectangular partitions
? Venue: IEEE Transactions on Circuits and Systems I Regular Papers
? Year: 2012

- ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 23
 - ? Doi: 10.1109/Tcsi.2012.2206490
 - ? Scopus ID: 2-s2.0-84870507779
 - ? Issn: 15498328
 - ? Volume: 59
 - ? Issue: 12
 - ? Pages: 2920-2933
 - ? Authors: Comaschi Francesco; Genuit Bart A.G.; Oliveri Alberto; Heemels W. P.Maurice H.; Storace Marco
 - ? Keywords: Digital circuits | digital control | field programmable gate arrays | piecewise linear techniques | predictive control
 - ? Quartile:
 - 2025:
 - ? Engineering (all) (Q1, rank 28, percentile 92)
 - 2012:
 - ? Subject (Q1, rank 59, percentile 90)
 - ? Source Id: 11000153733
 - ? Author Ids: 35486967200;55331677400;57200399832;7004095044;7004134087
 - ? Authoraffiliationids: 60032882-60025153;60032882;60032882;60032882;60032882
 - ? Corresponding: Comaschi F.
- 103.
- ? Title: Moby-dic: A MATLAB Toolbox for circuit-oriented design of explicit MPC
 - ? Venue: IFAC Proceedings Volumes IFAC Papersonline
 - ? Year: 2012
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 16
 - ? Doi: 10.3182/20120823-5-NI-3013.00034
 - ? Scopus ID: 2-s2.0-84867088749
 - ? Issn: 14746670
 - ? Volume: 4
 - ? Issue: Part 1
 - ? Pages: 218-225
 - ? Authors: Oliveri Alberto; Barcelli Davide; Bemporad Alberto; Genuit Bart; Heemels Maurice; Poggi Tomaso; Rubagotti Matteo; Storace Marco
 - ? Quartile:
 - 2025:
 - ? Control and Systems Engineering (Q3, rank 218, percentile 42)
 - ? Source Id: 21100456158
 - ? Author Ids: 57200399832;36547432800;7005030586;55331677400;7004095044;24588146700;24725558700;7004134087
 - ? Authoraffiliationids: 60025153;60102060;60102060;60032882;60032882;113114649;60104301;60025153
 - ? Corresponding: Oliveri A.
- 104.
- ? Title: Ultra-fast stabilizing model predictive control via canonical piecewise affine approximations
 - ? Venue: IEEE Transactions on Automatic Control
 - ? Year: 2011
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 109

? Doi: 10.1109/Tac.2011.2141410
? Scopus ID: 2-s2.0-83255166721
? Issn: 00189286
? Volume: 56
? Issue: 12
? Pages: 2883-2897
? Authors: Bemporad Alberto; Oliveri Alberto; Poggi Tomaso; Storace Marco
? Keywords: Hardware synthesis | Model predictive control (MPC) | Piecewise affine (PWA) approximations
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 52, percentile 94)
? Control and Systems Engineering (Q1, rank 28, percentile 92)
? Computer Science Applications (Q1, rank 73, percentile 92)
2011:
? Computer Science Applications (Q1, rank 23, percentile 95)
? Electrical and Electronic Engineering (Q1, rank 32, percentile 94)
? Control and Systems Engineering (Q1, rank 11, percentile 94)
? Source Id: 17339
? Author Ids: 7005030586;57200399832;24588146700;7004134087
? Authoraffiliationids: 60015986;60025153;60025153;60025153
? Corresponding: Bemporad A.

105.

? Title: Low-complexity approximations of PWA functions: A case study on adaptive cruise control
? Venue: 2011 20th European Conference on Circuit Theory and Design Ecctd 2011
? Year: 2011
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 10
? Doi: 10.1109/Ecctd.2011.6043632
? Scopus ID: 2-s2.0-80155137644
? Pages: 669-672
? Authors: Oliveri A.; Naus G. J.L.; Storace M.; Heemels W. P.M.H.
? Source Id: 20300195053
? Author Ids: 57200399832;24172810600;7004134087;7004095044
? Authoraffiliationids: 60025153;60032882;60025153;60032882
? Corresponding: Oliveri A.

106.

? Title: Inferring network dynamics and neuron properties from population recordings
? Venue: Frontiers in Computational Neuroscience
? Year: 2011
? Type: Journal
? Subtype: Article
? Citations: 8
? DOI: 10.3389/fncom.2011.00043
? Scopus ID: 2-s2.0-84959506384
? eISSN: 16625188
? Volume: 5
? Authors: Linaro Daniele; Storace Marco; Mattia Maurizio
? Keywords: Mean-field theory | Nonlinear dynamical regime | Spike frequency adaptation | Spiking neuron networks | System bifurcations | System identification
? Quartile:
2025:

? Neuroscience (miscellaneous) (Q1, rank 18, percentile 75)
? Cellular and Molecular Neuroscience (Q2, rank 49, percentile 51)
2011:
? Neuroscience (miscellaneous) (Q2, rank 9, percentile 55)
? Cellular and Molecular Neuroscience (Q3, rank 56, percentile 26)
? Source Id: 19700175168
? Author Ids: 24587496200;7004134087;6604064253
? Authoraffiliationids: 60025153;60025153;60010062
? Corresponding: Linaro D.

107.

? Title: Barriers to transport induced by periodic oscillations in a physical model of the human vitreous chamber
? Venue: Physical Review E Statistical Nonlinear and Soft Matter Physics
? Year: 2011
? Type: Journal
? Subtype: Article
? Citations: 4
? DOI: 10.1103/PhysRevE.83.036311
? Scopus ID: 2-s2.0-79953130209
? Issn: 15393755
? eISSN: 15502376
? Volume: 83
? Issue: 3
? Authors: Oliveri Alberto; Stocchino Alessandro; Storace Marco
? Source Id: 21101276710
? Author Ids: 57200399832;8895072100;7004134087
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Oliveri A.

108.

? Title: Explicit hybrid model predictive control: Discontinuous piecewise-affine approximation and FPGA implementation
? Venue: IFAC Proceedings Volumes IFAC Papersonline
? Year: 2011
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.3182/20110828-6-It-1002.02517
? Scopus ID: 2-s2.0-84866774270
? Issn: 14746670
? Volume: 44
? Issue: 1 Part 1
? Pages: 1350-1355
? Authors: Poggi Tomaso; Trimboli Sergio; Bemporad Alberto; Storace Marco
? Keywords: Digital architectures | Nonlinear circuits | Piecewise linear functions
? Quartile:
2025:
? Control and Systems Engineering (Q3, rank 218, percentile 42)
? Source Id: 21100456158
? Author Ids: 24588146700;46462270100;7005030586;7004134087
? Authoraffiliationids: 60025153;60015986;60015986;60025153
? Corresponding: Poggi T.

109.

? Title: Accurate and fast simulation of channel noise in conductance-based model neurons by diffusion approximation

? Venue: Plos Computational Biology
? Year: 2011
? Type: Journal
? Subtype: Article
? Citations: 70
? DOI: 10.1371/journal.pcbi.1001102
? Scopus ID: 2-s2.0-79953661638
? Issn: 1553734x
? eISSN: 15537358
? Volume: 7
? Issue: 3
? Authors: Linaro Daniele; Storace Marco; Giugliano Michele
? Quartile:
2025:
? Ecology, Evolution, Behavior and Systematics (Q1, rank 85, percentile 88)
? Modeling and Simulation (Q1, rank 50, percentile 86)
? Ecology (Q1, rank 75, percentile 84)
? Computational Theory and Mathematics (Q1, rank 36, percentile 82)
? Genetics (Q2, rank 103, percentile 71)
? Molecular Biology (Q2, rank 169, percentile 58)
? Cellular and Molecular Neuroscience (Q2, rank 43, percentile 57)
2011:
? Modeling and Simulation (Q1, rank 1, percentile 99)
? Ecology (Q1, rank 9, percentile 96)
? Ecology, Evolution, Behavior and Systematics (Q1, rank 24, percentile 95)
? Computational Theory and Mathematics (Q1, rank 6, percentile 94)
? Genetics (Q1, rank 35, percentile 87)
? Cellular and Molecular Neuroscience (Q1, rank 11, percentile 86)
? Molecular Biology (Q1, rank 61, percentile 81)
? Source Id: 4000151810
? Author Ids: 24587496200;7004134087;55242654700
? Authoraffiliationids: 60025153;60025153;60012937-60028186-60001881
? Corresponding: Linaro D.

110.

? Title: Digital architectures realizing piecewise-linear multivariate functions: Two FPGA implementations
? Venue: International Journal of Circuit Theory and Applications
? Year: 2011
? Type: Journal
? Subtype: Article
? Citations: 48
? DOI: 10.1002/cta.610
? Scopus ID: 2-s2.0-78651499977
? Issn: 00989886
? eISSN: 1097007X
? Volume: 39
? Issue: 1
? Pages: 1-15
? Authors: Storace Marco; Poggi Tomaso
? Keywords: digital architecture | FPGA | nonlinear circuit | piecewise-linear functions
? Quartile:
2025:
? Applied Mathematics (Q2, rank 183, percentile 72)

? Electrical and Electronic Engineering (Q2, rank 422, percentile 57)
? Computer Science Applications (Q2, rank 471, percentile 52)
? Electronic, Optical and Magnetic Materials (Q3, rank 170, percentile 45)

2011:

? Applied Mathematics (Q1, rank 41, percentile 89)
? Electrical and Electronic Engineering (Q1, rank 99, percentile 83)
? Computer Science Applications (Q1, rank 92, percentile 79)
? Electronic, Optical and Magnetic Materials (Q1, rank 39, percentile 78)

? Source Id: 17963

? Author Ids: 7004134087;24588146700

? Authoraffiliationids: 60025153;60025153

? Corresponding: Storace M.

111.

? Title: Experimental bifurcation diagram of a circuit-implemented neuron model

? Venue: Physics Letters Section A General Atomic and Solid State Physics

? Year: 2010

? Type: Journal

? Subtype: Article

? Citations: 23

? DOI: 10.1016/j.physleta.2010.09.030

? Scopus ID: 2-s2.0-77957815178

? Issn: 03759601

? Volume: 374

? Issue: 45

? Pages: 4589-4593

? Authors: Linaro D.; Poggi T.; Storace M.

? Keywords: Classification algorithm | Experimental bifurcation diagram | Hardware neuron model

? Quartile:

2025:

? Physics and Astronomy (all) (Q2, rank 83, percentile 66)

? Source Id: 29464

? Author Ids: 24587496200;24588146700;7004134087

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Linaro D.

112.

? Title: Piecewise linear approximations of multivariate functions: A multiresolution-based compression algorithm suitable for circuit implementation

? Venue: Applied Numerical Mathematics

? Year: 2010

? Type: Journal

? Subtype: Article

? Citations: 3

? DOI: 10.1016/j.apnum.2010.05.002

? Scopus ID: 2-s2.0-77955663241

? Issn: 01689274

? Volume: 60

? Issue: 9

? Pages: 924-933

? Authors: Parodi Mauro; Gaggero Mauro; Storace Marco

? Keywords: Electronic circuit implementation | Multiresolution approximation | Piecewise linear approximation

? Quartile:

2025:

? Applied Mathematics (Q1, rank 130, percentile 80)
? Numerical Analysis (Q1, rank 21, percentile 77)
? Computational Mathematics (Q2, rank 54, percentile 74)
? Source Id: 28067
? Author Ids: 35508934400;6603549713;7004134087
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Parodi M.

113.

? Title: Digital architectures implementing piecewise-affine functions: An overview
? Venue: Iscas 2010 2010 IEEE International Symposium on Circuits and Systems Nano Bio Circuit Fabrics and Systems
? Year: 2010
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/IsCAS.2010.5537904
? Scopus ID: 2-s2.0-77955986881
? Pages: 3304-3307
? Authors: Poggi Tomaso; Storace Marco
? Source Id: 19700177312
? Author Ids: 24588146700;7004134087
? Authoraffiliationids: 60025153;60025153
? Corresponding: Poggi T.

114.

? Title: Continuation analysis of a phase/quadrature electronic oscillator
? Venue: Journal of Circuits Systems and Computers
? Year: 2010
? Type: Journal
? Subtype: Article
? Citations: 4
? Doi: 10.1142/S0218126610006438
? Scopus ID: 2-s2.0-77952923306
? Issn: 02181266
? Volume: 19
? Issue: 4
? Pages: 773-785
? Authors: Bizzarri Federico; Linaro Daniele; Storace Marco; Brambilla Angelo
? Keywords: Bifurcation | Boundary value problem | Continuation | Phase/quadrature oscillator
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 494, percentile 50)
? Hardware and Architecture (Q3, rank 131, percentile 44)
? Source Id: 26046
? Author Ids: 15734590800;24587496200;7004134087;7103297302
? Authoraffiliationids: 60025153;60025153;60025153;60023256
? Corresponding: Bizzarri F.

115.

? Title: Synthesis of stabilizing model predictive controllers via canonical piecewise affine approximations
? Venue: Proceedings of the IEEE Conference on Decision and Control
? Year: 2010
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 9
? Doi: 10.1109/Cdc.2010.5717868
? Scopus ID: 2-s2.0-79953135833
? Issn: 07431546
? eISSN: 25762370
? Pages: 5296-5301
? Authors: Bemporad Alberto; Oliveri Alberto; Poggi Tomaso; Storace Marco
? Quartile:
2025:
? Control and Optimization (Q3, rank 90, percentile 49)
? Modeling and Simulation (Q3, rank 233, percentile 38)
? Control and Systems Engineering (Q3, rank 236, percentile 38)
? Source Id: 87424
? Author Ids: 7005030586;57200399832;24588146700;7004134087
? Authoraffiliationids: 60015986;60025153;60025153;60025153
? Corresponding: Bemporad A.

116.

? Title: Harmonic analysis of oscillators through standard numerical continuation tools
? Venue: International Journal of Bifurcation and Chaos
? Year: 2010
? Type: Journal
? Subtype: Article
? Citations: 4
? Doi: 10.1142/S0218127410028161
? Scopus ID: 2-s2.0-79951858214
? Issn: 02181274
? Volume: 20
? Issue: 12
? Pages: 4029-4037
? Authors: Bizzarri Federico; Linaro Daniele; Oldeman Bart; Storace Marco
? Keywords: boundary value problem | Continuation methods | harmonic analysis | nonlinear oscillator
? Quartile:
2025:
? Multidisciplinary (Q1, rank 39, percentile 81)
? Applied Mathematics (Q1, rank 129, percentile 80)
? Modeling and Simulation (Q2, rank 112, percentile 70)
? Engineering (miscellaneous) (Q2, rank 93, percentile 66)
? Source Id: 12337
? Author Ids: 15734590800;24587496200;6507728760;7004134087
? Authoraffiliationids: 60025153-60023256;60025153;60033154;
? Corresponding: Bizzarri F.

117.

? Title: Integrated circuit implementation of multi-dimensional piecewise-linear functions
? Venue: Digital Signal Processing A Review Journal
? Year: 2010
? Type: Journal
? Subtype: Article
? Citations: 13
? DOI: 10.1016/j.dsp.2010.02.007
? Scopus ID: 2-s2.0-77955421911
? Issn: 10512004
? Volume: 20

? Issue: 6
? Pages: 1723-1732
? Authors: Di Federico Martin; Poggi Tomaso; Juli n Pedro; Storace Marco
? Keywords: Embedded | Integrated circuit | Nonlinear circuit | Piecewise-linear
? Quartile:
2025:
? Applied Mathematics (Q1, rank 60, percentile 91)
? Statistics, Probability and Uncertainty (Q1, rank 21, percentile 88)
? Computational Theory and Mathematics (Q1, rank 35, percentile 83)
? Signal Processing (Q1, rank 41, percentile 78)
? Computer Vision and Pattern Recognition (Q1, rank 37, percentile 78)
? Electrical and Electronic Engineering (Q1, rank 229, percentile 77)
? Artificial Intelligence (Q2, rank 151, percentile 69)
? Source Id: 24306
? Author Ids: 23090468100;24588146700;7006420443;7004134087
? Authoraffiliationids: 60013496;60025153;60013496;60025153
? Corresponding: Di Federico M.

118.

? Title: Digital circuit realization of piecewise-affine functions with nonuniform resolution: Theory and FPGA implementation
? Venue: IEEE Transactions on Circuits and Systems II Express Briefs
? Year: 2010
? Type: Journal
? Subtype: Article
? Citations: 22
? Doi: 10.1109/Tcsii.2010.2040316
? Scopus ID: 2-s2.0-77649341430
? Issn: 15497747
? eISSN: 15583791
? Volume: 57
? Issue: 2
? Pages: 131-135
? Authors: Poggi Tomaso; Comaschi Francesco; Storace Marco
? Keywords: Digital architectures | Nonlinear circuits | Nonuniform resolution | Piecewise-affine (PWA) functions
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 97, percentile 90)
? Source Id: 9500153930
? Author Ids: 24588146700;35486967200;7004134087
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Poggi T.

119.

? Title: Circuit implementation of piecewise-affine functions based on a binary search tree
? Venue: Ecctd 2009 European Conference on Circuit Theory and Design Conference Program
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 30
? Doi: 10.1109/Ecctd.2009.5274957
? Scopus ID: 2-s2.0-71249087226
? Pages: 145-148
? Authors: Oliveri Alberto; Oliveri Andrea; Poggi Tomaso; Storace Marco

? Source Id: 19400158908
? Author Ids: 57200399832;57235314800;24588146700;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Oliveri A.

120.

? Title: Synchronization properties in networks of Hindmarsh-Rose neurons and their PWL approximations with linear symmetric coupling
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Isccas.2009.5118098
? Scopus ID: 2-s2.0-70350440478
? Issn: 02714310
? Pages: 1685-1688
? Authors: Linaro Daniele; Righero Marco; Biey Mario; Storace Marco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 24587496200;15052471200;7003502994;7004134087
? Authoraffiliationids: 60025153;60012162;60012162;60025153
? Corresponding: Linaro D.

121.

? Title: Piecewise linear implementation of nonlinear dynamical systems: From theory to practice
? Venue: Electronics Letters
? Year: 2009
? Type: Journal
? Subtype: Article
? Citations: 15
? DOI: 10.1049/el.2009.1664
? Scopus ID: 2-s2.0-70249088672
? Issn: 00135194
? Volume: 45
? Issue: 19
? Pages: 966-967
? Authors: Poggi T.; Sciutto A.; Storace M.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 624, percentile 37)
? Source Id: 24918
? Author Ids: 24588146700;35072034600;7004134087
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Poggi T.

122.

? Title: A method based on a genetic algorithm to find PWL approximations of multivariate nonlinear functions
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3

? Doi: 10.1109/Isccas.2008.4541423
? Scopus ID: 2-s2.0-51749096680
? Issn: 02714310
? Pages: 336-339
? Authors: Linaro Daniele; Storace Marco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 24587496200;7004134087
? Authoraffiliationids: 60025153;60025153
? Corresponding: Linaro D.

123.

? Title: A modular supervised algorithm for vessel segmentation in red-free retinal images
? Venue: Computers in Biology and Medicine
? Year: 2008
? Type: Journal
? Subtype: Article
? Citations: 44
? DOI: 10.1016/j.compbimed.2008.05.006
? Scopus ID: 2-s2.0-48349088170
? Issn: 00104825
? Volume: 38
? Issue: 8
? Pages: 913-922
? Authors: Anzalone Andrea; Bizzarri Federico; Parodi Mauro; Storace Marco
? Keywords: Blood vessel segmentation | Optimization | Retinal imaging | Retinal vasculature mapping | Supervised algorithm
? Quartile:
2025:
? Health Informatics (Q1, rank 11, percentile 93)
? Computer Science Applications (Q1, rank 81, percentile 91)
? Source Id: 17957
? Author Ids: 57210223054;15734590800;35508934400;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Anzalone A.

124.

? Title: Piecewise-linear approximation of the Hindmarsh-Rose neuron model
? Venue: Journal of Physics Conference Series
? Year: 2008
? Type: Conference Proceeding
? Subtype: Article
? Citations: 4
? Doi: 10.1088/1742-6596/138/1/012011
? Scopus ID: 2-s2.0-65249113346
? Issn: 17426588
? eISSN: 17426596
? Volume: 138
? Authors: Linaro D.; Bizzarri F.; Storace M.
? Quartile:
2025:
? Physics and Astronomy (all) (Q4, rank 192, percentile 22)
? Source Id: 130053

? Author Ids: 24587496200;15734590800;7004134087

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Linaro D.

125.

? Title: Bifurcation analysis of an impact model for forest fire prediction

? Venue: International Journal of Bifurcation and Chaos

? Year: 2008

? Type: Journal

? Subtype: Article

? Citations: 6

? Doi: 10.1142/S0218127408021701

? Scopus ID: 2-s2.0-54949090760

? Issn: 02181274

? Volume: 18

? Issue: 8

? Pages: 2275-2288

? Authors: Bizzarri Federico; Storace Marco; Colombo Alessandro

? Keywords: Bifurcation analysis | Forest fire model | Impact system | Piecewise-smooth map

? Quartile:

2025:

? Multidisciplinary (Q1, rank 39, percentile 81)

? Applied Mathematics (Q1, rank 129, percentile 80)

? Modeling and Simulation (Q2, rank 112, percentile 70)

? Engineering (miscellaneous) (Q2, rank 93, percentile 66)

? Source Id: 12337

? Author Ids: 15734590800;7004134087;55627876835

? Authoraffiliationids: 60025153;60025153;60023256

? Corresponding: Bizzarri F.

126.

? Title: The Hindmarsh-Rose neuron model: Bifurcation analysis and piecewise-linear approximations

? Venue: Chaos

? Year: 2008

? Type: Journal

? Subtype: Article

? Citations: 214

? Doi: 10.1063/1.2975967

? Scopus ID: 2-s2.0-54749122455

? Issn: 10541500

? Volume: 18

? Issue: 3

? Authors: Storace Marco; Linaro Daniele; De Lange Enno

? Quartile:

2025:

? Mathematical Physics (Q1, rank 9, percentile 90)

? Applied Mathematics (Q1, rank 97, percentile 85)

? Statistical and Nonlinear Physics (Q1, rank 13, percentile 80)

? Engineering (all) (Q1, rank 84, percentile 75)

? Physics and Astronomy (all) (Q1, rank 62, percentile 75)

? Source Id: 27430

? Author Ids: 7004134087;24587496200;35620124200

? Authoraffiliationids: 60025153;60025153;60028186-60020486

? Corresponding: Storace M.

127.

? Title: FPGA implementation of a new scheme for the circuit realization of PWL functions
? Venue: European Conference on Circuit Theory and Design 2007 Ecctd 2007
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 10
? Doi: 10.1109/Ecctd.2007.4529736
? Scopus ID: 2-s2.0-49749131913
? Pages: 874-877
? Authors: Boggiano Alessio; Delfitto Simone; Poggi Tomaso; Storace Marco
? Source Id: 21100932851
? Author Ids: 24586975200;24586975700;24588146700;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Boggiano A.

128.

? Title: PWL approximation of the Hindmarsh-Rose neuron model in view of its circuit implementation
? Venue: European Conference on Circuit Theory and Design 2007 Ecctd 2007
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Ecctd.2007.4529737
? Scopus ID: 2-s2.0-49749128749
? Pages: 878-881
? Authors: Bizzarri Federico; Linaro Daniele; Storace Marco
? Source Id: 21100932851
? Author Ids: 15734590800;24587496200;7004134087
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bizzarri F.

129.

? Title: On the complexity of periodic and nonperiodic behaviors of a hysteresis-based electronic oscillator
? Venue: Chaos
? Year: 2007
? Type: Journal
? Subtype: Article
? Citations: 3
? Doi: 10.1063/1.2778552
? Scopus ID: 2-s2.0-37648999445
? Issn: 10541500
? Volume: 17
? Issue: 4
? Authors: Stellardo Daniele; Bizzarri Federico; Storace Marco; De Feo Oscar
? Quartile:
2025:
? Mathematical Physics (Q1, rank 9, percentile 90)
? Applied Mathematics (Q1, rank 97, percentile 85)
? Statistical and Nonlinear Physics (Q1, rank 13, percentile 80)
? Engineering (all) (Q1, rank 84, percentile 75)
? Physics and Astronomy (all) (Q1, rank 62, percentile 75)
? Source Id: 27430

? Author Ids: 14049135700;15734590800;7004134087;6603538707
? Authoraffiliationids: 60025153;60025153;60025153;60025160
? Corresponding: Stellardo D.

130.

? Title: A simplicial PWL integrated circuit realization
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? DOI: 10.1109/iscas.2007.377901
? Scopus ID: 2-s2.0-34548830214
? Issn: 02714310
? Pages: 685-688
? Authors: Di Federico Martin; Juli n Pedro; Poggi Tomaso; Storace Marco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 23090468100;7006420443;24588146700;7004134087
? Authoraffiliationids: 60013496;60013496;60025153;60025153
? Corresponding: Di Federico M.

131.

? Title: DSP implementation of a low-complexity algorithm for real-time automated vessel detection in images of the fundus of the human retina
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? DOI: 10.1109/iscas.2007.378230
? Scopus ID: 2-s2.0-34548815253
? Issn: 02714310
? Pages: 97-100
? Authors: Anzalone Andrea; Bizzarri Federico; Camera Paolo; Petrillo Luca; Storace Marco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 57210223054;15734590800;21833391800;57055717600;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Anzalone A.

132.

? Title: Piecewise-linear identification of nonlinear dynamical systems in view of their circuit implementations
? Venue: IEEE Transactions on Circuits and Systems I Regular Papers
? Year: 2007
? Type: Journal
? Subtype: Article
? Citations: 13
? Doi: 10.1109/Tcsi.2007.899613
? Scopus ID: 2-s2.0-34547125805
? Issn: 10577122

? Volume: 54
? Issue: 7
? Pages: 1542-1554
? Authors: De Feo Oscar; Storace Marco
? Keywords: Bifurcation | Function approximation | Identification | Modeling | Nonlinear systems | Piecewise-linear (PWL) approximation techniques
? Source Id: 11000153733
? Author Ids: 6603538707;7004134087
? Authoraffiliationids: 60025160;60025153
? Corresponding: De Feo O.

133.

? Title: Towards accurate PWL approximations of parameter-dependent nonlinear dynamical systems with equilibria and limit cycles
? Venue: IEEE Transactions on Circuits and Systems I Regular Papers
? Year: 2007
? Type: Journal
? Subtype: Article
? Citations: 9
? Doi: 10.1109/Tcsi.2006.887623
? Scopus ID: 2-s2.0-34047165813
? Issn: 10577122
? Volume: 54
? Issue: 3
? Pages: 620-631
? Authors: Storace Marco; Bizzarri Federico
? Keywords: Bifurcation analysis | Function approximation | Nonlinear dynamical systems | Piecewise-linear (PWL) approximation techniques | Variational methods
? Source Id: 11000153733
? Author Ids: 7004134087;15734590800
? Authoraffiliationids: 60025153;60025153
? Corresponding: Storace M.

134.

? Title: Experimental validation of the bifurcation analysis of a hysteresis oscillator
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-34547324366
? Issn: 02714310
? Pages: 4183-4186
? Authors: Bizzarri Federico; Stellardo Daniele; Storace Marco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 15734590800;14049135700;7004134087
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bizzarri F.

135.

? Title: Bifurcation analysis of a second-order impact model for forest fire prediction through a 1D-map
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2006

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-34547261048
? Issn: 02714310
? Pages: 2725-2728
? Authors: Bizzarri Federico; Caruso Luca; Storace Marco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 15734590800;36948568500;7004134087
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bizzarri F.

136.

? Title: Complex links between codimension-2 bifurcations in an electronic oscillator based on hysteresis
? Venue: Journal of Physics Conference Series
? Year: 2006
? Type: Conference Proceeding
? Subtype: Article
? Citations: 0
? Doi: 10.1088/1742-6596/55/1/002
? Scopus ID: 2-s2.0-33947628670
? Issn: 17426588
? eISSN: 17426596
? Volume: 55
? Issue: 1
? Pages: 12-27
? Authors: Bizzarri F.; De Feo O.; Stellardo D.; Storace M.
? Quartile:
2025:
? Physics and Astronomy (all) (Q4, rank 192, percentile 22)
? Source Id: 130053
? Author Ids: 15734590800;6603538707;14049135700;7004134087
? Authoraffiliationids: 60025153;60025160-60028186;60025153;60025153
? Corresponding: Bizzarri F.

137.

? Title: A cellular non-linear network for image fusion based on data regularization
? Venue: International Journal of Circuit Theory and Applications
? Year: 2006
? Type: Journal
? Subtype: Article
? Citations: 3
? DOI: 10.1002/cta.354
? Scopus ID: 2-s2.0-33750060352
? Issn: 00989886
? eISSN: 1097007X
? Volume: 34
? Issue: 5
? Pages: 533-546
? Authors: Anzalone Andrea; Bizzarri Federico; Storace Marco; Parodi Mauro
? Keywords: Cellular non-linear networks | Data regularization | Functional minimization | Hyper-parameter estimation | Image fusion | Synthesis

? Quartile:

2025:

? Applied Mathematics (Q2, rank 183, percentile 72)

? Electrical and Electronic Engineering (Q2, rank 422, percentile 57)

? Computer Science Applications (Q2, rank 471, percentile 52)

? Electronic, Optical and Magnetic Materials (Q3, rank 170, percentile 45)

? Source Id: 17963

? Author Ids: 57210223054;15734590800;7004134087;35508934400

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Anzalone A.

138.

? Title: Bifurcation Analysis and Its Experimental Validation for a Hysteresis Circuit Oscillator

? Venue: IEEE Transactions on Circuits and Systems II Express Briefs

? Year: 2006

? Type: Journal

? Subtype: Article

? Citations: 9

? Doi: 10.1109/Tcsii.2006.875342

? Scopus ID: 2-s2.0-33746331681

? Issn: 15497747

? eISSN: 15583791

? Volume: 53

? Issue: 7

? Pages: 517-521

? Authors: Bizzarri Federico; Stellardo Daniele; Storace Marco

? Keywords: Bifurcation analysis | experimental validation | hysteresis oscillator

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 97, percentile 90)

? Source Id: 9500153930

? Author Ids: 15734590800;14049135700;7004134087

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Bizzarri F.

139.

? Title: A procedure for the computation of accurate PWL approximations of non-linear dynamical systems

? Venue: International Journal of Circuit Theory and Applications

? Year: 2006

? Type: Journal

? Subtype: Article

? Citations: 5

? DOI: 10.1002/cta.355

? Scopus ID: 2-s2.0-33645312680

? Issn: 00989886

? eISSN: 1097007X

? Volume: 34

? Issue: 2

? Pages: 237-248

? Authors: Repetto Lorenzo; Parodi Mauro; Storace Marco

? Keywords: Dynamical systems | Optimization | PWL approximation | Variational methods

? Quartile:

2025:

? Applied Mathematics (Q2, rank 183, percentile 72)

? Electrical and Electronic Engineering (Q2, rank 422, percentile 57)
? Computer Science Applications (Q2, rank 471, percentile 52)
? Electronic, Optical and Magnetic Materials (Q3, rank 170, percentile 45)
? Source Id: 17963
? Author Ids: 7004422700;35508934400;7004134087
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Repetto L.

140.

? Title: Structurally stable PWL approximation of nonlinear dynamical systems admitting limit cycles: An example
? Venue: IEICE Transactions on Fundamentals of Electronics Communications and Computer Sciences
? Year: 2006
? Type: Journal
? Subtype: Article
? Citations: 3
? DOI: 10.1093/ietfec/e89-a.10.2759
? Scopus ID: 2-s2.0-33750043496
? Issn: 09168508
? eISSN: 17451337
? Volume: E89-A
? Issue: 10
? Pages: 2759-2766
? Authors: Bergami Marco; Bizzarri Federico; Carlevaro Andrea; Storace Marco
? Keywords: Bifurcation analysis | Nonlinear dynamical systems | Optimization | Piecewise linear approximation
? Quartile:
2025:
? Computer Graphics and Computer-Aided Design (Q3, rank 95, percentile 27)
? Applied Mathematics (Q3, rank 501, percentile 25)
? Electrical and Electronic Engineering (Q4, rank 751, percentile 24)
? Signal Processing (Q4, rank 149, percentile 23)
? Source Id: 26076
? Author Ids: 15020250400;15734590800;15020178000;7004134087
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bergami M.

141.

? Title: Bifurcation analysis of a circuit-related piecewise-affine map
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/IsCAS.2005.1465359
? Scopus ID: 2-s2.0-67649120063
? Issn: 02714310
? Pages: 3403-3406
? Authors: Bizzarri Federico; Carezzano Linda; Storace Marco; Gardini Laura
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 15734590800;26654626100;7004134087;7004612112
? Authoraffiliationids: 60025153;60025153;60025153;60032111

- ? Corresponding: Bizzarri F.
- 142.
- ? Title: SVD-based approximations of bivariate functions
- ? Venue: Proceedings IEEE International Symposium on Circuits and Systems
- ? Year: 2005
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 2
- ? Doi: 10.1109/IsCAS.2005.1465735
- ? Scopus ID: 2-s2.0-67649105618
- ? Issn: 02714310
- ? Pages: 4915-4918
- ? Authors: Bizzarri Federico; Parodi Mauro; Storace Marco
- ? Quartile:
- 2025:
- ? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
- ? Source Id: 56190
- ? Author Ids: 15734590800;35508934400;7004134087
- ? Authoraffiliationids: 60025153;60025153;60025153
- ? Corresponding: Bizzarri F.
- 143.
- ? Title: A CNN for biomedical image processing
- ? Venue: Proceedings of the 2005 European Conference on Circuit Theory and Design
- ? Year: 2005
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 4
- ? Doi: 10.1109/Ecctd.2005.1523087
- ? Scopus ID: 2-s2.0-33749024757
- ? Volume: 3
- ? Pages: 169-172
- ? Authors: Anzalone Andrea; Bizzarri Federico; Parodi Mauro; Storace Marco
- ? Source Id: 4900153111
- ? Author Ids: 57210223054;15734590800;35508934400;7004134087
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153
- ? Corresponding: Anzalone A.
- 144.
- ? Title: Multiresolution PWL approximations
- ? Venue: Proceedings of the 2005 European Conference on Circuit Theory and Design
- ? Year: 2005
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 3
- ? Doi: 10.1109/Ecctd.2005.1523143
- ? Scopus ID: 2-s2.0-33748989014
- ? Volume: 3
- ? Pages: 393-396
- ? Authors: Gaggero Mauro; Parodi Mauro; Storace Marco
- ? Source Id: 4900153111
- ? Author Ids: 6603549713;35508934400;7004134087
- ? Authoraffiliationids: 60025153;60025153;60025153
- ? Corresponding: Gaggero M.
- 145.
- ? Title: Synthesis of multiport resistors with piecewise-linear characteristics: A

mixed-signal architecture

? Venue: International Journal of Circuit Theory and Applications

? Year: 2005

? Type: Journal

? Subtype: Article

? Citations: 30

? DOI: 10.1002/cta.322

? Scopus ID: 2-s2.0-23044439478

? Issn: 00989886

? Volume: 33

? Issue: 4

? Pages: 307-319

? Authors: Parodi Mauro; Storace Marco; Juli n Pedro

? Keywords: Mixed-signal circuits | Non-linear circuit synthesis | Piecewise-linear

approximations

? Quartile:

2025:

? Applied Mathematics (Q2, rank 183, percentile 72)

? Electrical and Electronic Engineering (Q2, rank 422, percentile 57)

? Computer Science Applications (Q2, rank 471, percentile 52)

? Electronic, Optical and Magnetic Materials (Q3, rank 170, percentile 45)

? Source Id: 17963

? Author Ids: 35508934400;7004134087;7006420443

? Authoraffiliationids: 60025153;60025153;60013496-60004518

? Corresponding: Parodi M.

146.

? Title: Towards analog implementations of PWL two-dimensional non-linear functions

? Venue: International Journal of Circuit Theory and Applications

? Year: 2005

? Type: Journal

? Subtype: Article

? Citations: 23

? DOI: 10.1002/cta.309

? Scopus ID: 2-s2.0-15744385726

? Issn: 00989886

? Volume: 33

? Issue: 2

? Pages: 147-160

? Authors: Storace Marco; Parodi Mauro

? Keywords: CMOS circuits | Non-linear circuit synthesis | PWL approximations

? Quartile:

2025:

? Applied Mathematics (Q2, rank 183, percentile 72)

? Electrical and Electronic Engineering (Q2, rank 422, percentile 57)

? Computer Science Applications (Q2, rank 471, percentile 52)

? Electronic, Optical and Magnetic Materials (Q3, rank 170, percentile 45)

? Source Id: 17963

? Author Ids: 7004134087;35508934400

? Authoraffiliationids: 60025153;60025153

? Corresponding: Storace M.

147.

? Title: PWL approximation of nonlinear dynamical systems, part II: Identification issues

? Venue: Journal of Physics Conference Series

? Year: 2005
? Type: Conference Proceeding
? Subtype: Article
? Citations: 5
? Doi: 10.1088/1742-6596/22/1/002
? Scopus ID: 2-s2.0-25844446024
? Issn: 17426588
? eISSN: 17426596
? Volume: 22
? Issue: 1
? Pages: 30-42
? Authors: De Feo O.; Storace M.
? Quartile:
2025:
? Physics and Astronomy (all) (Q4, rank 192, percentile 22)
? Source Id: 130053
? Author Ids: 6603538707;7004134087
? Authoraffiliationids: 60028186;60025153
? Corresponding: De Feo O.

148.

? Title: PWL approximation of nonlinear dynamical systems, part I: Structural stability
? Venue: Journal of Physics Conference Series
? Year: 2005
? Type: Conference Proceeding
? Subtype: Article
? Citations: 7
? Doi: 10.1088/1742-6596/22/1/014
? Scopus ID: 2-s2.0-25844434818
? Issn: 17426588
? eISSN: 17426596
? Volume: 22
? Issue: 1
? Pages: 208-221
? Authors: Storace M.; De Feo O.
? Quartile:
2025:
? Physics and Astronomy (all) (Q4, rank 192, percentile 22)
? Source Id: 130053
? Author Ids: 7004134087;6603538707
? Authoraffiliationids: 60025153;60028186
? Corresponding: Storace M.

149.

? Title: PWL identification of dynamical systems: Some examples
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2004
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-4344688711
? Issn: 02714310
? Volume: 4
? Pages: V-665-V-668
? Authors: De Feo Oscar; Storace Marco
? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)

? Source Id: 56190

? Author Ids: 6603538707;7004134087

? Authoraffiliationids: 60028186;60025153

? Corresponding: De Feo O.

150.

? Title: Two-Port Ideal Power Transferitors: A Unified Introduction to Ideal Transformer and Gyrator

? Venue: IEEE Transactions on Circuits and Systems II Express Briefs

? Year: 2004

? Type: Journal

? Subtype: Article

? Citations: 4

? Doi: 10.1109/Tcsii.2004.832777

? Scopus ID: 2-s2.0-4344568554

? Issn: 15497747

? eISSN: 15583791

? Volume: 51

? Issue: 8

? Pages: 426-429

? Authors: Premoli Amedeo; Storace Marco

? Keywords: Gyrator | ideal power transferitors | ideal transformer | linear circuit theory | resistive two ports

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 97, percentile 90)

? Source Id: 9500153930

? Author Ids: 7005336674;7004134087

? Authoraffiliationids: 60023256;60025153

? Corresponding: Premoli A.

151.

? Title: Piecewise-linear approximation of nonlinear dynamical systems

? Venue: IEEE Transactions on Circuits and Systems I Regular Papers

? Year: 2004

? Type: Journal

? Subtype: Article

? Citations: 80

? Doi: 10.1109/Tcsi.2004.823664

? Scopus ID: 2-s2.0-2542609244

? Issn: 10577122

? Volume: 51

? Issue: 4

? Pages: 830-842

? Authors: Storace Marco; De Feo Oscar

? Keywords: Approximation theory | Bifurcations | Circuit modeling | Nonlinear dynamics | Piecewise-linear (PWL) approximation | Structural stability

? Source Id: 11000153733

? Author Ids: 7004134087;6603538707

? Authoraffiliationids: 60025153;60028186

? Corresponding: Storace M.

152.

? Title: Classification of chaotic sequences with open-loop estimator - Optimal design for noisy environments

? Venue: International Journal of Bifurcation and Chaos in Applied Sciences and Engineering
? Year: 2004
? Type: Journal
? Subtype: Article
? Citations: 0
? Doi: 10.1142/S0218127404011260
? Scopus ID: 2-s2.0-10444253883
? Issn: 02181274
? Volume: 14
? Issue: 9
? Pages: 3023-3043
? Authors: Schimming Thomas; Bizzarri Federico; Storace Marco; Hasler Martin
? Keywords: Chaos | Classification | Ergodic maps | Optimization
? Quartile:
2025:
? Multidisciplinary (Q1, rank 39, percentile 81)
? Applied Mathematics (Q1, rank 129, percentile 80)
? Modeling and Simulation (Q2, rank 112, percentile 70)
? Engineering (miscellaneous) (Q2, rank 93, percentile 66)
? Source Id: 12337
? Author Ids: 6601928084;15734590800;7004134087;57090098600
? Authoraffiliationids: 60028186;60025153;60025153;60028186
? Corresponding: Schimming T.

153.

? Title: PWL approximation of dynamical systems: An example
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2003
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-0038082265
? Issn: 02714310
? Volume: 3
? Pages: III654-III657
? Authors: Storace Marco; De Feo Oscar
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 7004134087;6603538707
? Authoraffiliationids: 60025153;60028186
? Corresponding: Storace M.

154.

? Title: A method for the approximate synthesis of cellular non-linear networks - Part 2: Circuit reduction
? Venue: International Journal of Circuit Theory and Applications
? Year: 2003
? Type: Journal
? Subtype: Article
? Citations: 20
? DOI: 10.1002/cta.233
? Scopus ID: 2-s2.0-0038701733
? Issn: 00989886

? Volume: 31
? Issue: 3
? Pages: 299-313
? Authors: Repetto Lorenzo; Storace Marco; Parodi Mauro
? Keywords: Cellular non-linear networks | Model reduction | Multi-terminal non-linear resistors | Piecewise-linear approximation
? Quartile:
2025:
? Applied Mathematics (Q2, rank 183, percentile 72)
? Electrical and Electronic Engineering (Q2, rank 422, percentile 57)
? Computer Science Applications (Q2, rank 471, percentile 52)
? Electronic, Optical and Magnetic Materials (Q3, rank 170, percentile 45)
? Source Id: 17963
? Author Ids: 7004422700;7004134087;35508934400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Repetto L.

155.

? Title: A method for the approximate synthesis of cellular non-linear networks - Part 1: Circuit definition
? Venue: International Journal of Circuit Theory and Applications
? Year: 2003
? Type: Journal
? Subtype: Article
? Citations: 35
? DOI: 10.1002/cta.232
? Scopus ID: 2-s2.0-0038363444
? Issn: 00989886
? Volume: 31
? Issue: 3
? Pages: 277-297
? Authors: Storace Marco; Repetto Lorenzo; Parodi Mauro
? Keywords: Basis functions | Cellular non-linear networks | Multi-terminal non-linear resistors | Piecewise-linear approximation
? Quartile:
2025:
? Applied Mathematics (Q2, rank 183, percentile 72)
? Electrical and Electronic Engineering (Q2, rank 422, percentile 57)
? Computer Science Applications (Q2, rank 471, percentile 52)
? Electronic, Optical and Magnetic Materials (Q3, rank 170, percentile 45)
? Source Id: 17963
? Author Ids: 7004134087;7004422700;35508934400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Storace M.

156.

? Title: Synthesis of nonlinear multiport resistors: A PWL approach
? Venue: IEEE Transactions on Circuits and Systems I Fundamental Theory and Applications
? Year: 2002
? Type: Journal
? Subtype: Article
? Citations: 33
? Doi: 10.1109/Tcsi.2002.801253
? Scopus ID: 2-s2.0-0036689916
? Issn: 10577122

? Volume: 49
? Issue: 8
? Pages: 1138-1149
? Authors: Storace Marco; Juli n Pedro; Parodi Mauro
? Source Id: 26028
? Author Ids: 7004134087;7006420443;35508934400
? Authoraffiliationids:
60000251-60025153;60000251-60121438-60004518-60013496;60000251-60025153
? Corresponding: Storace M.

157.

? Title: Two-dimensional bifurcation diagrams of a chaotic circuit based on hysteresis
? Venue: International Journal of Bifurcation and Chaos in Applied Sciences and Engineering
? Year: 2002
? Type: Journal
? Subtype: Article
? Citations: 9
? Doi: 10.1142/S0218127402004188
? Scopus ID: 2-s2.0-0036337739
? Issn: 02181274
? Volume: 12
? Issue: 1
? Pages: 43-69
? Authors: Bizzarri Federico; Storace Marco
? Quartile:
2025:
? Multidisciplinary (Q1, rank 39, percentile 81)
? Applied Mathematics (Q1, rank 129, percentile 80)
? Modeling and Simulation (Q2, rank 112, percentile 70)
? Engineering (miscellaneous) (Q2, rank 93, percentile 66)
? Source Id: 12337
? Author Ids: 15734590800;7004134087
? Authoraffiliationids: 60025153;60025153
? Corresponding: Bizzarri F.

158.

? Title: Optimal receiver for ergodic chaos shift keying
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2002
? Type: Journal
? Subtype: Article
? Citations: 2
? Doi: 10.1109/IsCAS.2002.1010365
? Scopus ID: 2-s2.0-0036297065
? Issn: 02714310
? Volume: 3
? Pages: 879-882
? Authors: Schimming Thomas; Hasler Martin; Bizzarri Federico; Storace Marco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 6601928084;57090098600;15734590800;7004134087
? Authoraffiliationids: 60028186;60028186;60025153;60025153
? Corresponding: Schimming T.

159.

? Title: A procedure for the piecewise-linear approximation of the resistive part of a cellular nonlinear network
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2002
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-0036294838
? Issn: 02714310
? Volume: 3
? Pages: III/586
? Authors: Repetto Lorenzo; Storace Marco; Parodi Mauro
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 7004422700;7004134087;35508934400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Repetto L.

160.

? Title: Coexistence of attractors in an oscillator based on hysteresis
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2002
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Scopus ID: 2-s2.0-0036290618
? Issn: 02714310
? Volume: 2
? Pages: II/551
? Authors: Bizzarri Federico; Storace Marco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 15734590800;7004134087
? Authoraffiliationids: 60025153;60025153
? Corresponding: Bizzarri F.

161.

? Title: Towards the circuit implementation of the Hodgkin-Huxley neuron model: A PWL approach
? Venue: Iscas 2001 2001 IEEE International Symposium on Circuits and Systems Conference Proceedings
? Year: 2001
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/IsCAS.2001.921459
? Scopus ID: 2-s2.0-0035016267
? Volume: 3
? Pages: 823-826
? Authors: Storace Marco; Julian Pedro; Parodi Mauro
? Source Id: 21100268056

? Author Ids: 7004134087;7006420443;35508934400
? Authoraffiliationids: 60025153;60121438;60025153
? Corresponding: Storace M.

162.

? Title: 2-D bifurcation diagram of an oscillator based on PWL hysteresis
? Venue: Iscas 2001 2001 IEEE International Symposium on Circuits and Systems Conference Proceedings
? Year: 2001
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/IsCAS.2001.921455
? Scopus ID: 2-s2.0-0035011632
? Volume: 3
? Pages: 807-810
? Authors: Bizzarri Federico; Storace Marco
? Source Id: 21100268056
? Author Ids: 15734590800;7004134087
? Authoraffiliationids: 60025153;60025153
? Corresponding: Bizzarri F.

163.

? Title: Discontinuities in a one-dimensional map describing a hysteretic chaotic circuit
? Venue: Nonlinear Analysis Theory Methods and Applications
? Year: 2001
? Type: Journal
? Subtype: Article
? Citations: 10
? Doi: 10.1016/S0362-546x(01)00632-0
? Scopus ID: 2-s2.0-0035423106
? Issn: 0362546x
? Volume: 47
? Issue: 8
? Pages: 5253-5264
? Authors: Lupini R.; Bizzarri F.; Storace M.
? Keywords: Bifurcation | Chaos | Noninvertible map
? Quartile:
2025:
? Analysis (Q2, rank 55, percentile 73)
? Applied Mathematics (Q2, rank 263, percentile 60)
? Source Id: 13249
? Author Ids: 7003513370;15734590800;7004134087
? Authoraffiliationids: 60031624;60031624;60031624
? Corresponding: Lupini R.

164.

? Title: Basic bifurcation analysis of a hysteresis oscillator
? Venue: International Journal of Circuit Theory and Applications
? Year: 2001
? Type: Journal
? Subtype: Article
? Citations: 9
? DOI: 10.1002/cta.154
? Scopus ID: 2-s2.0-0035385374
? Issn: 00989886

- ? Volume: 29
? Issue: 4
? Pages: 343-366
? Authors: Storace Marco; Bizzarri Federico
? Keywords: Bifurcation | Chaos | Hysteresis | Non-linear oscillator
? Quartile:
2025:
? Applied Mathematics (Q2, rank 183, percentile 72)
? Electrical and Electronic Engineering (Q2, rank 422, percentile 57)
? Computer Science Applications (Q2, rank 471, percentile 52)
? Electronic, Optical and Magnetic Materials (Q3, rank 170, percentile 45)
? Source Id: 17963
? Author Ids: 7004134087;15734590800
? Authoraffiliationids: 60025153;60025153
? Corresponding: Storace M.
165.
? Title: Cellular non-linear networks for minimization of functionals. Part 1: Theoretical aspects
? Venue: International Journal of Circuit Theory and Applications
? Year: 2001
? Type: Journal
? Subtype: Article
? Citations: 6
? DOI: 10.1002/cta.139
? Scopus ID: 2-s2.0-0035263904
? Issn: 00989886
? Volume: 29
? Issue: 2
? Pages: 151-167
? Authors: Storace Marco; Bizzarri Federico; Parodi Mauro
? Keywords: Cellular non-linear networks | Co-content | Functional minimization
? Quartile:
2025:
? Applied Mathematics (Q2, rank 183, percentile 72)
? Electrical and Electronic Engineering (Q2, rank 422, percentile 57)
? Computer Science Applications (Q2, rank 471, percentile 52)
? Electronic, Optical and Magnetic Materials (Q3, rank 170, percentile 45)
? Source Id: 17963
? Author Ids: 7004134087;15734590800;35508934400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Storace M.
166.
? Title: Cellular non-linear networks for minimization of functionals. Part 2: Examples
? Venue: International Journal of Circuit Theory and Applications
? Year: 2001
? Type: Journal
? Subtype: Article
? Citations: 8
? DOI: 10.1002/cta.140
? Scopus ID: 2-s2.0-0035263887
? Issn: 00989886
? Volume: 29
? Issue: 2
? Pages: 169-184

? Authors: Bizzarri Federico; Storace Marco; Parodi Mauro
? Keywords: Cellular non-linear networks | Co-content | Functional minimization
? Quartile:
2025:
? Applied Mathematics (Q2, rank 183, percentile 72)
? Electrical and Electronic Engineering (Q2, rank 422, percentile 57)
? Computer Science Applications (Q2, rank 471, percentile 52)
? Electronic, Optical and Magnetic Materials (Q3, rank 170, percentile 45)
? Source Id: 17963
? Author Ids: 15734590800;7004134087;35508934400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bizzarri F.

167.

? Title: RC op-amp implementation of hysteresis chaotic oscillator
? Venue: Electronics Letters
? Year: 2001
? Type: Journal
? Subtype: Article
? Citations: 8
? DOI: 10.1049/el:20010148
? Scopus ID: 2-s2.0-6644221042
? Issn: 00135194
? Volume: 37
? Issue: 4
? Pages: 209-211
? Authors: Bizzarri F.; Storace M.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 624, percentile 37)
? Source Id: 24918
? Author Ids: 15734590800;7004134087
? Corresponding: Bizzarri F.

168.

? Title: Bifurcation analysis of a PWL chaotic circuit based on hysteresis through a one-dimensional map
? Venue: International Journal of Bifurcation and Chaos in Applied Sciences and Engineering
? Year: 2001
? Type: Journal
? Subtype: Article
? Citations: 7
? Doi: 10.1142/S0218127401003085
? Scopus ID: 2-s2.0-0035618030
? Issn: 02181274
? Volume: 11
? Issue: 7
? Pages: 1911-1927
? Authors: Bizzarri Federico; Storace Marco; Gardini Laura; Lupini Renzo
? Quartile:
2025:
? Multidisciplinary (Q1, rank 39, percentile 81)
? Applied Mathematics (Q1, rank 129, percentile 80)
? Modeling and Simulation (Q2, rank 112, percentile 70)
? Engineering (miscellaneous) (Q2, rank 93, percentile 66)

? Source Id: 12337
? Author Ids: 15734590800;7004134087;7004612112;7003513370
? Authoraffiliationids: 60025153;60025153;60032111;60031624
? Corresponding: Bizzarri F.

169.

? Title: Boundary cells in cellular circuits for the minimization of continuous functionals
? Venue: Proceedings IEEE International Symposium on Circuits and Systems
? Year: 2000
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Isccas.2000.857382
? Scopus ID: 2-s2.0-0033703466
? Issn: 02714310
? Volume: 5
? Pages: V-137-V-140
? Authors: Bizzarri Federico; Storace Marco; Parodi Mauro
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 652, percentile 34)
? Source Id: 56190
? Author Ids: 15734590800;7004134087;35508934400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bizzarri F.

170.

? Title: A hysteresis-based chaotic circuit: Dynamics and applications
? Venue: International Journal of Circuit Theory and Applications
? Year: 1999
? Type: Journal
? Subtype: Article
? Citations: 22
? Doi: 10.1002/(Sici)1097-007x(199911/12)27:6<527::Aid-Cta80>3.0.Co;2-9
? Scopus ID: 2-s2.0-0033220663
? Issn: 00989886
? Volume: 27
? Issue: 6
? Pages: 527-542
? Authors: Storace Marco; Parodi Mauro; Robatto Dario
? Keywords: Chaos | Hysteresis | Non-linear circuit
? Quartile:
2025:
? Applied Mathematics (Q2, rank 183, percentile 72)
? Electrical and Electronic Engineering (Q2, rank 422, percentile 57)
? Computer Science Applications (Q2, rank 471, percentile 52)
? Electronic, Optical and Magnetic Materials (Q3, rank 170, percentile 45)
? Source Id: 17963
? Author Ids: 7004134087;35508934400;23107194800
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Storace M.

171.

? Title: Dynamic behaviour of hysteresis chaotic circuit
? Venue: Electronics Letters
? Year: 1999

? Type: Journal
? Subtype: Article
? Citations: 7
? DOI: 10.1049/el:19991319
? Scopus ID: 2-s2.0-0033341479
? Issn: 00135194
? Volume: 35
? Issue: 22
? Pages: 1896-1897
? Authors: Storace M.; Bizzarri F.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 624, percentile 37)
? Source Id: 24918
? Author Ids: 7004134087;15734590800
? Authoraffiliationids: 60025153;60025153
? Corresponding: Storace M.

172.

? Title: Method for defining analog circuits for the minimization of discrete functionals: An image processing application
? Venue: Circuits Systems and Signal Processing
? Year: 1999
? Type: Journal
? Subtype: Article
? Citations: 3
? Doi: 10.1007/Bf01387466
? Scopus ID: 2-s2.0-0033354289
? Issn: 0278081x
? Volume: 18
? Issue: 5
? Pages: 457-477
? Authors: Storace Marco; Parodi Mauro; Pastorino Diego; Tripodoro Veronica
? Quartile:
2025:
? Applied Mathematics (Q1, rank 110, percentile 83)
? Signal Processing (Q2, rank 62, percentile 68)
? Source Id: 18780
? Author Ids: 7004134087;35508934400;6504763052;6503896418
? Authoraffiliationids: 60025153;60025153;;
? Corresponding: Storace M.

173.

? Title: Secure communication by hysteresis-based chaotic circuit
? Venue: Electronics Letters
? Year: 1998
? Type: Journal
? Subtype: Article
? Citations: 5
? DOI: 10.1049/el:19980796
? Scopus ID: 2-s2.0-0032072214
? Issn: 00135194
? Volume: 34
? Issue: 11
? Pages: 1077-1079
? Authors: Storace M.

? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 624, percentile 37)
? Source Id: 24918
? Author Ids: 7004134087
? Authoraffiliationids: 60025153
? Corresponding: Storace M.

174.

? Title: Simple realisation of hysteresis chaos generator
? Venue: Electronics Letters
? Year: 1998
? Type: Journal
? Subtype: Article
? Citations: 15
? DOI: 10.1049/el:19980115
? Scopus ID: 2-s2.0-0032495455
? Issn: 00135194
? Volume: 34
? Issue: 1
? Pages: 10-11
? Authors: Storace M.; Parodi M.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 624, percentile 37)
? Source Id: 24918
? Author Ids: 7004134087;35508934400
? Authoraffiliationids: 60025153;60025153
? Corresponding: Storace M.

175.

? Title: On the representation of static hysteresis curves by a PWL ladder circuit
? Venue: International Journal of Circuit Theory and Applications
? Year: 1998
? Type: Journal
? Subtype: Article
? Citations: 7
? Doi: 10.1002/(Sici)1097-007x(199803/04)26:2<167::Aid-Cta988>3.0.Co;2-D
? Scopus ID: 2-s2.0-0032028161
? Issn: 00989886
? Volume: 26
? Issue: 2
? Pages: 167-177
? Authors: Storace Marco; Parodi Mauro
? Quartile:
2025:
? Applied Mathematics (Q2, rank 183, percentile 72)
? Electrical and Electronic Engineering (Q2, rank 422, percentile 57)
? Computer Science Applications (Q2, rank 471, percentile 52)
? Electronic, Optical and Magnetic Materials (Q3, rank 170, percentile 45)
? Source Id: 17963
? Author Ids: 7004134087;35508934400
? Authoraffiliationids: 60025153;60025153
? Corresponding: Storace M.

176.

? Title: Simulations of the behavior of synaptically driven neurons via time-invariant

circuit models

? Venue: IEEE Transactions on Biomedical Engineering

? Year: 1997

? Type: Journal

? Subtype: Article

? Citations: 9

? Doi: 10.1109/10.650000

? Scopus ID: 2-s2.0-0031542777

? Issn: 00189294

? Volume: 44

? Issue: 12

? Pages: 1282-1287

? Authors: Storace Marco; Bove Marco; Grattarola Massimo; Parodi Mauro

? Keywords: Neurons | Synapses | Time-invariant circuit models

? Quartile:

2025:

? Biomedical Engineering (Q1, rank 68, percentile 79)

? Source Id: 16318

? Author Ids: 7004134087;7003456756;7005398663;35508934400

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Storace M.

177.

? Title: Circuitual Markov random fields for analog edge detection

? Venue: Computer Architectures for Machine Perception Proceedings CAMP

? Year: 1997

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Scopus ID: 2-s2.0-0031375066

? Pages: 220-228

? Authors: Storace Marco; Parodi Mauro; Regazzoni Carlo

? Source Id: 21100524577

? Author Ids: 7004134087;35508934400;35513672400

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Storace M.

178.

? Title: On a circuit representation of the Hodgkin and Huxley nerve axon membrane equations

? Venue: International Journal of Circuit Theory and Applications

? Year: 1997

? Type: Journal

? Subtype: Article

? Citations: 11

? Doi: 10.1002/(Sici)1097-007x(199703/04)25:2<115::Aid-Cta957>3.0.Co;2-#

? Scopus ID: 2-s2.0-0031097460

? Issn: 00989886

? Volume: 25

? Issue: 2

? Pages: 115-124

? Authors: Parodi Mauro; Storace Marco

? Quartile:

2025:

? Applied Mathematics (Q2, rank 183, percentile 72)

? Electrical and Electronic Engineering (Q2, rank 422, percentile 57)

? Computer Science Applications (Q2, rank 471, percentile 52)
? Electronic, Optical and Magnetic Materials (Q3, rank 170, percentile 45)
? Source Id: 17963
? Author Ids: 35508934400;7004134087
? Authoraffiliationids: 60025153;60025153
? Corresponding: Parodi M.

179.

? Title: On a circuit representation of the Hodgkin and Huxley nerve axon membrane equations
? Venue: International Journal of Circuit Theory and Applications
? Year: 1997
? Type: Journal
? Subtype: Article
? Citations: 0
? DOI: 10.1002/(sici)1097-007x(199703/04)25:2<115::aid-cta957>3.0.co;2-%23
? Scopus ID: 2-s2.0-85078686474
? Issn: 00989886
? Volume: 25
? Issue: 2
? Pages: 115-124
? Authors: Parodi Mauro; Storace Marco
? Quartile:
2025:
? Applied Mathematics (Q2, rank 183, percentile 72)
? Electrical and Electronic Engineering (Q2, rank 422, percentile 57)
? Computer Science Applications (Q2, rank 471, percentile 52)
? Electronic, Optical and Magnetic Materials (Q3, rank 170, percentile 45)
? Source Id: 17963
? Author Ids: 35508934400;7004134087
? Authoraffiliationids: 60025153;60025153
? Corresponding: Parodi M.

180.

? Title: MRF-CNN: A nonlinear analog circuit for piecewise constant image synthesis
? Venue: Proceedings of the IEEE International Conference on Electronics Circuits and Systems
? Year: 1996
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-0030348516
? Volume: 2
? Pages: 800-803
? Authors: Regazzoni Carlo; Storace Marco; Parodi Mauro
? Source Id: 91096
? Author Ids: 35513672400;7004134087;35508934400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Regazzoni C.

181.

? Title: Dipole monolayers: a model for elementary information processors
? Venue: Annual International Conference of the IEEE Engineering in Medicine and Biology Proceedings
? Year: 1996
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 0
? Scopus ID: 2-s2.0-0030314424
? Issn: 05891019
? Volume: 5
? Pages: 2075-2076
? Authors: Cincotti Silvano; Storace Marco; Parodi Mauro; Chiabrera Alessandro
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 585, percentile 41)
? Source Id: 34202
? Author Ids: 7003713213;7004134087;35508934400;7004572693
? Authoraffiliationids: 101278674;101278674;101278674;101278674
? Corresponding: Cincotti S.

182.

? Title: Dipole monolayer behaviour in the presence of electrodes
? Venue: Journal of Electrostatics
? Year: 1996
? Type: Journal
? Subtype: Article
? Citations: 0
? Doi: 10.1016/0304-3886(96)00004-6
? Scopus ID: 2-s2.0-0030142578
? Issn: 03043886
? Volume: 37
? Issue: 1-2
? Pages: 95-120
? Authors: Cincotti Silvano; Parodi Mauro; Storace Marco
? Keywords: Dipole | Dipole interactions | Dipole lattice | Dipole layer | Hysteresis | Molecular electronics | Monolayer | Polarization
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 420, percentile 57)
? Condensed Matter Physics (Q3, rank 237, percentile 46)
? Electronic, Optical and Magnetic Materials (Q3, rank 167, percentile 46)
? Surfaces, Coatings and Films (Q3, rank 78, percentile 43)
? Biotechnology (Q3, rank 181, percentile 43)
? Source Id: 18041
? Author Ids: 7003713213;35508934400;7004134087
? Authoraffiliationids: 60032259;60025153;60025153
? Corresponding: Cincotti S.

183.

? Title: Static and dynamic hysteretic features in a PWL circuit
? Venue: International Journal of Circuit Theory and Applications
? Year: 1996
? Type: Journal
? Subtype: Article
? Citations: 18
? DOI: 10.1002/(sici)1097-007x(199603/04)24:2<183::aid-cta893>3.0.co;2-f
? Scopus ID: 2-s2.0-0030109606
? Issn: 00989886
? Volume: 24
? Issue: 2
? Pages: 183-199
? Authors: Parodi Mauro; Storace Marco; Cincotti Silvano

? Quartile:

2025:

? Applied Mathematics (Q2, rank 183, percentile 72)

? Electrical and Electronic Engineering (Q2, rank 422, percentile 57)

? Computer Science Applications (Q2, rank 471, percentile 52)

? Electronic, Optical and Magnetic Materials (Q3, rank 170, percentile 45)

? Source Id: 17963

? Author Ids: 35508934400;7004134087;7003713213

? Authoraffiliationids: 60025153;60025153;60032259

? Corresponding: Parodi M.

184.

? Title: A PWL ladder circuit which exhibits hysteresis

? Venue: International Journal of Circuit Theory and Applications

? Year: 1994

? Type: Journal

? Subtype: Article

? Citations: 29

? DOI: 10.1002/cta.4490220606

? Scopus ID: 2-s2.0-0028546181

? Issn: 00989886

? eISSN: 1097007X

? Volume: 22

? Issue: 6

? Pages: 513-526

? Authors: Parodi Mauro; Storace Marco; Cincotti Silvano

? Quartile:

2025:

? Applied Mathematics (Q2, rank 183, percentile 72)

? Electrical and Electronic Engineering (Q2, rank 422, percentile 57)

? Computer Science Applications (Q2, rank 471, percentile 52)

? Electronic, Optical and Magnetic Materials (Q3, rank 170, percentile 45)

? Source Id: 17963

? Author Ids: 35508934400;7004134087;7003713213

? Authoraffiliationids: 60025153;60025153;60032259

? Corresponding: Parodi M.