

RAFFETTO MIRCO

Overview

? Unit: ICT
? Role: Professore ordinario
? Grade: Prof.Ordinario Legge 240/10 - t.pieno - classe 3
? SSD: IINF-02/A (Campi elettromagnetici)
? Scopus ID: 6701772951
? Unige Id: 056180
? Retrieved at: 2025-11-14T15:16:55.059814

Contact

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? Phone: +39 010 33 52796
? Page: <https://rubrica.unige.it/personale/VUZBWIJp>
? Locations: Opera Pia - padiglione D (ED161450401), 3° piano, US161450401.III.004

Career

? Pa, 2012-05-01 ? 2016-12-29
? Po, 2016-12-30 ? 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

? Title: Componente del Consiglio della Scuola
? Unit: Scuola politecnica
? Period: 2024-11-01 ? 2027-10-31

? Title: Componente del Consiglio scientifico Centro interuniversitario
? Unit: Centro interuniversitario sulle interazioni tra campi elettromagnetici e biosistemi - ICEMB
? Period: 2023-11-14 ? 2026-11-13

Teaching

2025

? Campi Elettromagnetici (65940), L-8 - Ingegneria Biomedica
? Campi Elettromagnetici (65939), L-8 - Ingegneria Informatica
? Fibre Ottiche E Fotonica (84472), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Campi Elettromagnetici (80127), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione

2024

? Campi Elettromagnetici (65940), L-8 - Ingegneria Biomedica
? Elettromagnetismo E Teoria Dei Circuiti Modulo 1: Elettromagnetismo (104744), L-8 - Ingegneria Informatica
? Campi Elettromagnetici (65939), L-8 - Ingegneria Informatica
? Fibre Ottiche E Fotonica (84472), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Campi Elettromagnetici (80127), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione

2023

- ? Campi Elettromagnetici (65940), L-8 - Ingegneria Biomedica
- ? Campi Elettromagnetici (65939), L-8 - Ingegneria Informatica
- ? Elettromagnetismo (104744), L-8 - Ingegneria Informatica
- ? Campi Elettromagnetici (80127), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
- ? Fibre Ottiche E Fotonica (84472), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione

2022

- ? Campi Elettromagnetici (65940), L-8 - Ingegneria Biomedica
- ? Elettromagnetismo (104744), L-8 - Ingegneria Informatica
- ? Campi Elettromagnetici (65939), L-8 - Ingegneria Informatica
- ? Fibre Ottiche E Fotonica (84472), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
- ? Tirocinio (94722), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione

2021

- ? Campi Elettromagnetici (65940), L-8 - Ingegneria Biomedica
- ? Campi Elettromagnetici (65939), L-8 - Ingegneria Informatica
- ? Elettromagnetismo E Teoria Dei Circuiti Modulo 1: Elettromagnetismo (104744), L-8 - Ingegneria Informatica
- ? Fibre Ottiche E Fotonica (84472), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
- ? Tirocinio (94722), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione

2020

- ? Campi Elettromagnetici (65940), L-8 - Ingegneria Biomedica
- ? Campi Elettromagnetici (65939), L-8 - Ingegneria Informatica
- ? Tirocinio (94722), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
- ? Fibre Ottiche E Fotonica (84472), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione

Scopus Metrics

- ? absolute; Docs: 114; Journals: 70; Conferences: 43; Citations: 1218; H-index: 18
- ? 15 years (2010-2025); Docs: 40; Journals: 21; Conferences: 19; Citations: 312; H-index: 11
- ? 10 years (2015-2025); Docs: 25; Journals: 13; Conferences: 12; Citations: 183; H-index: 8
- ? 05 years (2020-2025); Docs: 9; Journals: 6; Conferences: 3; Citations: 48; H-index: 4

Scopus Products

1.
 - ? Title: Innovative Application of the Born-Approximation for Analyzing Medium Motion Effects in Comsol Time Explicit Emw Module
 - ? Venue: 2025 Ursi International Symposium on Electromagnetic Theory Emts 2025
 - ? Year: 2025
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 0
 - ? Doi: 10.46620/Ursiemts25/Clni3022
 - ? Scopus ID: 2-s2.0-105013786595
 - ? Authors: Zeyde Kirill; Raffetto Mirco

? Source Id: 21101321955
? Author Ids: 56826137100;6701772951
? Authoraffiliationids: 60025153;60025153
? Corresponding: Zeyde K.

2.

? Title: Analytical Evaluation of the Effects on the Electromagnetic Field Induced by a Moving Dielectric Slab
? Venue: 2025 Ursi International Symposium on Electromagnetic Theory Emts 2025
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.46620/Ursiemts25/Ylos1726
? Scopus ID: 2-s2.0-105013765621
? Authors: Onesti Riccardo; Raffetto Mirco; Zeyde Kirill
? Source Id: 21101321955
? Author Ids: 57481470100;6701772951;56826137100
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Onesti R.

3.

? Title: Photobiomodulation on isolated mitochondria at 810 nm: first results on the efficiency of the energy conversion process
? Venue: Scientific Reports
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 15
? DOI: 10.1038/s41598-024-61740-w
? Scopus ID: 2-s2.0-85193013361
? eISSN: 20452322
? Volume: 14
? Issue: 1
? Authors: Amaroli Andrea; Clemente Vargas Mario Rene; Pasquale Claudio; Raffetto Mirco; Ravera Silvia
? Keywords: Computer assisted dosimetry calculation | Efficiency | Electromagnetic field | Energy conversion | Laser biostimulation | Low-level light therapy | Mitochondria | Near-infrared band | Photobiomodulation | Photostimulation | Phototherapy | Thermodynamic
? Quartile:
2025:
? Multidisciplinary (Q1, rank 28, percentile 86)
2024:
? Multidisciplinary (Q1, rank 22, percentile 89)
? Source Id: 21100200805
? Author Ids: 6507689224;57223606675;56800510000;6701772951;15119975800
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Amaroli A.

4.

? Title: A new born-approximation approach to compute the effects of motion on the solution of electromagnetic problems involving moving materials with stationary boundaries
? Venue: Iet Science Measurement and Technology
? Year: 2024
? Type: Journal

? Subtype: Article
? Citations: 4
? DOI: 10.1049/smt2.12184
? Scopus ID: 2-s2.0-85187177907
? Issn: 17518822
? eISSN: 17518830
? Volume: 18
? Issue: 5
? Pages: 245-257
? Authors: Raffetto Mirco; Clemente Vargas Mario Rene; Zeyde Kirill
? Keywords: electromagnetic wave scattering | finite element analysis | frequency-domain analysis | inverse problems
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 413, percentile 58)
? Atomic and Molecular Physics, and Optics (Q3, rank 124, percentile 48)
2024:
? Electrical and Electronic Engineering (Q2, rank 392, percentile 59)
? Atomic and Molecular Physics, and Optics (Q3, rank 118, percentile 49)
? Source Id: 5300152720
? Author Ids: 6701772951;57223606675;56826137100
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Raffetto M.

- 5.
- ? Title: First 3D Results Obtained by a New Born-Approximation Methodology for Media in Motion with Stationary Boundaries
? Venue: IEEE Antennas and Propagation Society AP S International Symposium Digest
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Ap-S/Inc-Usnc-Ursi52054.2024.10686821
? Scopus ID: 2-s2.0-85207093380
? Issn: 15223965
? Pages: 1339-1340
? Authors: Raffetto Mirco; Zeyde Kirill
? Quartile:
2025:
? Electrical and Electronic Engineering (Q4, rank 853, percentile 14)
2024:
? Electrical and Electronic Engineering (Q4, rank 882, percentile 9)
? Source Id: 18719
? Author Ids: 6701772951;56826137100
? Authoraffiliationids: 60025153;60025153
? Corresponding: Raffetto M.

- 6.
- ? Title: Electromagnetic Dosimetry for Isolated Mitochondria Exposed to Near-Infrared Continuous-Wave Illumination in Photobiomodulation Experiments
? Venue: Bioelectromagnetics
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 10
? DOI: 10.1002/bem.22342

? Scopus ID: 2-s2.0-85105917208
? Issn: 01978462
? eISSN: 1521186X
? Volume: 42
? Issue: 5
? Pages: 384-397
? Authors: Amaroli Andrea; Benedicenti Stefano; Bianco Bruno; Bosco Alessandro; Clemente Vargas Mario Rene; Hanna Reem; Kalarickel Ramakrishnan Praveen; Raffetto Mirco; Ravera Silvia
? Keywords: average energy and dissipated power densities | electromagnetic dosimetry | electromagnetic field inside mitochondria | low-level light therapy | near-infrared band | numerical simulations
? Quartile:
2025:
? Radiology, Nuclear Medicine and Imaging (Q3, rank 199, percentile 43)
? Biophysics (Q3, rank 105, percentile 33)
? Physiology (Q4, rank 155, percentile 19)
2021:
? Radiology, Nuclear Medicine and Imaging (Q2, rank 126, percentile 59)
? Biophysics (Q3, rank 75, percentile 45)
? Physiology (Q3, rank 117, percentile 35)
? Source Id: 14839
? Author Ids: 6507689224;23092962600;7005080001;57223638723;57223606675;57192870834;57076016200;6701772951;15119975800
? Authoraffiliationids: 60025153-60010188;60025153;60025153;126224173;60025153;60025153-60029685;60025153;60025153;60025153
? Corresponding: Amaroli A.

- 7.
- ? Title: Electromagnetic Inverse Scattering of Rotating Axisymmetric Objects
? Venue: IEEE Access
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 3
? Doi: 10.1109/Access.2021.3136356
? Scopus ID: 2-s2.0-85121828655
? eISSN: 21693536
? Volume: 9
? Pages: 168185-168192
? Authors: Kalarickel Ramakrishnan Praveen; Clemente Vargas Mario Rene; Raffetto Mirco
? Keywords: Electromagnetic scattering | inverse problems | moving media | remote sensing | rotating axisymmetric objects | stochastic optimization
? Quartile:
2025:
? Engineering (all) (Q1, rank 42, percentile 88)
? Computer Science (all) (Q1, rank 41, percentile 83)
? Materials Science (all) (Q1, rank 101, percentile 78)
2021:
? Engineering (all) (Q1, rank 28, percentile 90)
? Computer Science (all) (Q1, rank 34, percentile 85)
? Subject (Q1, rank 124, percentile 82)
? Materials Science (all) (Q1, rank 104, percentile 77)
? Source Id: 21100374601

? Author Ids: 57076016200;57223606675;6701772951

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Kalarickel Ramakrishnan P.

8.

? Title: Three-dimensional time-harmonic electromagnetic scattering problems from bianisotropic materials and metamaterials: Reference solutions provided by converging finite element approximations

? Venue: Electronics Switzerland

? Year: 2020

? Type: Journal

? Subtype: Article

? Citations: 6

? DOI: 10.3390/electronics9071065

? Scopus ID: 2-s2.0-85087179641

? eISSN: 20799292

? Volume: 9

? Issue: 7

? Pages: 1-21

? Authors: Ramakrishnan Praveen Kalarickel; Raffetto Mirco

? Keywords: Bianisotropic media | Convergence of the approximation | Electromagnetic scattering | Finite element method | Metamaterials | Time-harmonic electromagnetic fields | Variational formulation | Well posedness

? 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)

2020:

? Control and Systems Engineering (Q2, rank 123, percentile 52)

? Computer Networks and Communications (Q2, rank 161, percentile 51)

? Electrical and Electronic Engineering (Q2, rank 334, percentile 51)

? Signal Processing (Q3, rank 59, percentile 45)

? Hardware and Architecture (Q3, rank 94, percentile 40)

? Source Id: 21100829272

? Author Ids: 57076016200;6701772951

? Authoraffiliationids: 60025153;60025153

? Corresponding: Ramakrishnan P.K.

9.

? Title: well posedness and finite element approximability of three-dimensional time-harmonic electromagnetic problems involving rotating axisymmetric objects

? Venue: Symmetry

? Year: 2020

? Type: Journal

? Subtype: Article

? Citations: 8

? DOI: 10.3390/sym12020218

? Scopus ID: 2-s2.0-85080969397

? eISSN: 20738994

? Volume: 12

? Issue: 2

? Authors: Ramakrishnan Praveen Kalarickel; Raffetto Mirco

? Keywords: Bianisotropic media | Convergence of the approximation | Electromagnetic

scattering | Finite element method | Moving media | Rotating axisymmetric objects |
Time-harmonic electromagnetic fields | Variational formulation | Well posedness

? Quartile:

2025:

? Mathematics (all) (Q1, rank 35, percentile 91)

? Physics and Astronomy (miscellaneous) (Q1, rank 19, percentile 78)

? Computer Science (miscellaneous) (Q2, rank 58, percentile 66)

? Chemistry (miscellaneous) (Q2, rank 64, percentile 51)

2020:

? Mathematics (all) (Q1, rank 38, percentile 90)

? Computer Science (miscellaneous) (Q1, rank 16, percentile 77)

? Physics and Astronomy (miscellaneous) (Q2, rank 20, percentile 66)

? Chemistry (miscellaneous) (Q2, rank 15, percentile 56)

? Source Id: 21100201542

? Author Ids: 57076016200;6701772951

? Authoraffiliationids: 60025153;60025153

? Corresponding: Ramakrishnan P.K.

10.

? Title: 1064 nm Nd:YAG laser light affects transmembrane mitochondria respiratory chain complexes

? Venue: Journal of Biophotonics

? Year: 2019

? Type: Journal

? Subtype: Letter

? Citations: 39

? DOI: 10.1002/jbio.201900101

? Scopus ID: 2-s2.0-85067466948

? Issn: 1864063x

? eISSN: 18640648

? Volume: 12

? Issue: 9

? Authors: Ravera Silvia; Ferrando Sara; Agas Dimitrios; De Angelis Nicola; Raffetto Mirco; Sabbieti Maria G.; Signore Antonio; Benedicenti Stefano; Amaroli Andrea

? Keywords: adenosine triphosphate (ATP) | cytochrome c oxidase | infrared light | low-level laser therapy (LLLT) | photobiomodulation

? Quartile:

2025:

? Engineering (all) (Q2, rank 104, percentile 70)

? Physics and Astronomy (all) (Q2, rank 79, percentile 68)

? Biochemistry, Genetics and Molecular Biology (all) (Q2, rank 87, percentile 61)

? Chemistry (all) (Q2, rank 173, percentile 57)

? Materials Science (all) (Q2, rank 229, percentile 51)

2019:

? Engineering (all) (Q1, rank 27, percentile 91)

? Physics and Astronomy (all) (Q1, rank 37, percentile 83)

? Chemistry (all) (Q1, rank 88, percentile 78)

? Materials Science (all) (Q1, rank 113, percentile 75)

? Biochemistry, Genetics and Molecular Biology (all) (Q1, rank 49, percentile 75)

? Source Id: 16400154786

? Author Ids: 15119975800;14032897200;12804463000;18233623100;6701772951;6602187702;24823383300;23092962600;6507689224

? Authoraffiliationids: 60025153;60025153;60026298;60025153-

113887870;60025153;60026298;60025153-60010188;60025153;60025153

? Corresponding: Ravera S.

11.

- ? Title: Near-infrared laser photons induce glutamate release from cerebrocortical nerve terminals
- ? Venue: Journal of Biophotonics
- ? Year: 2018
- ? Type: Journal
- ? Subtype: Letter
- ? Citations: 24
- ? DOI: 10.1002/jbio.201800102
- ? Scopus ID: 2-s2.0-85052793072
- ? Issn: 1864063x
- ? eISSN: 18640648
- ? Volume: 11
- ? Issue: 11
- ? Authors: Amaroli Andrea; Marcoli Manuela; Venturini Arianna; Passalacqua Mario; Agnati Luigi F.; Signore Antonio; Raffetto Mirco; Maura Guido; Benedicenti Stefano; Cervetto Chiara
- ? Keywords: 808-nm diode | astrocyte processes | glutamate release | laser light | mouse cerebral cortex | nerve terminals | slices
- ? Quartile:
- 2025:
- ? Engineering (all) (Q2, rank 104, percentile 70)
- ? Physics and Astronomy (all) (Q2, rank 79, percentile 68)
- ? Biochemistry, Genetics and Molecular Biology (all) (Q2, rank 87, percentile 61)
- ? Chemistry (all) (Q2, rank 173, percentile 57)
- ? Materials Science (all) (Q2, rank 229, percentile 51)
- 2018:
- ? Engineering (all) (Q1, rank 21, percentile 92)
- ? Physics and Astronomy (all) (Q1, rank 33, percentile 85)
- ? Chemistry (all) (Q1, rank 79, percentile 79)
- ? Materials Science (all) (Q1, rank 94, percentile 78)
- ? Biochemistry, Genetics and Molecular Biology (all) (Q1, rank 43, percentile 77)
- ? Source Id: 16400154786
- ? Author Ids: 6507689224;6603870944;56797871700;7004715043;35413651600;24823383300;6701772951;7004513464;23092962600;6505938609
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60004591-60012311;60025153;60025153;60025153;60025153;60025153
- ? Corresponding: Amaroli A.

12.

- ? Title: Accuracy of finite element approximations for two-dimensional time-harmonic electromagnetic boundary value problems involving non-conducting moving objects with stationary boundaries
- ? Venue: Applied Computational Electromagnetics Society Journal
- ? Year: 2018
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 7
- ? Scopus ID: 2-s2.0-85049735771
- ? Issn: 10544887
- ? Volume: 33
- ? Issue: 6
- ? Pages: 585-596
- ? Authors: Ramakrishnan Praveen K.; Raffetto Mirco
- ? Keywords: Bianisotropic media | Electromagnetic scattering | Error analysis | Finite

element method | Moving media | Reconstruction of velocity profiles | Time-harmonic electromagnetic fields

? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 678, percentile 32)

? Astronomy and Astrophysics (Q3, rank 68, percentile 28)

2018:

? Electrical and Electronic Engineering (Q3, rank 433, percentile 35)

? Astronomy and Astrophysics (Q3, rank 57, percentile 27)

? Source Id: 13200

? Author Ids: 57076016200;6701772951

? Authoraffiliationids: 60025153;60025153

? Corresponding: Ramakrishnan P.

13.

? Title: A numerical analysis of the two-dimensional Green's function for elliptically stratified media

? Venue: Iet Conference Publications

? Year: 2018

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? DOI: 10.1049/cp.2018.0970

? Scopus ID: 2-s2.0-85057341089

? Volume: 2018

? Issue: CP741

? Authors: Fedeli Alessandro; Pastorino Matteo; Raffetto Mirco; Randazzo Andrea

? Keywords: Electromagnetic scattering | Green's function | Integral equations | Stratified media

? Source Id: 5400152619

? Author Ids: 55512997500;7004880389;6701772951;7006280562

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Fedeli A.

14.

? Title: 2-D Green's Function for Scattering and Radiation Problems in Elliptically Layered Media with PEC Cores

? Venue: IEEE Transactions on Antennas and Propagation

? Year: 2017

? Type: Journal

? Subtype: Article

? Citations: 7

? Doi: 10.1109/Tap.2017.2761421

? Scopus ID: 2-s2.0-85031798854

? Issn: 0018926x

? Volume: 65

? Issue: 12

? Pages: 7110-7118

? Authors: Fedeli Alessandro; Pastorino Matteo; Raffetto Mirco; Randazzo Andrea

? Keywords: Electromagnetic scattering | Green's function | integral equations | stratified media

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)

2017:

? Electrical and Electronic Engineering (Q1, rank 59, percentile 91)

? Source Id: 17337
? Author Ids: 55512997500;7004880389;6701772951;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Fedeli A.

15.

? Title: Application of EMFs at microwave frequencies for brain stroke detection: Preliminary results
? Venue: 2017 International Applied Computational Electromagnetics Society Symposium Italy Aces 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.23919/Ropaces.2017.7916405
? Scopus ID: 2-s2.0-85020002223
? Authors: Bisio I.; Fedeli A.; Lavagetto F.; Luzzati G.; Pastorino M.; Raffetto M.; Randazzo A.; Tavanti E.
? Keywords: Brain stroke detection | Imaging techniques | Inverse problems | Microwave imaging
? Source Id: 21100817102
? Author Ids: 8546192900;55512997500;7004136693;55372214300;7004880389;6701772951;7006280562;57038817000
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bisio I.

16.

? Title: Pros and cons of microwave imaging techniques for the reconstruction of velocity profiles of cylindrical targets in axial motion
? Venue: 2017 International Applied Computational Electromagnetics Society Symposium Italy Aces 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.23919/Ropaces.2017.7916391
? Scopus ID: 2-s2.0-85019998814
? Authors: Brignone Massimo; Pastorino Matteo; Raffetto Mirco; Randazzo Andrea
? Source Id: 21100817102
? Author Ids: 8580886100;7004880389;6701772951;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Brignone M.

17.

? Title: Further investigations on the capabilities of inverse scattering procedures to recover velocity profiles of cylinders moving in the axial direction
? Venue: Ist 2016 2016 IEEE International Conference on Imaging Systems and Techniques Proceedings
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Ist.2016.7738247
? Scopus ID: 2-s2.0-85004075873
? Pages: 335-340
? Authors: Brignone Massimo; Fedeli Alessandro; Gragnani Gian Luigi; Pastorino Matteo;

Raffetto Mirco; Randazzo Andrea

? Source Id: 21100788403

? Author Ids: 8580886100;55512997500;6701681576;7004880389;6701772951;7006280562

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

? Corresponding: Brignone M.

18.

? Title: A first numerical assessment of the reliability of finite element simulators for time-harmonic electromagnetic problems involving rotating axisymmetric objects

? Venue: 2016 URSI International Symposium on Electromagnetic Theory EMTS 2016

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? Doi: 10.1109/URSI-EMTS.2016.7571520

? Scopus ID: 2-s2.0-84992070837

? Pages: 787-790

? Authors: Brignone Massimo; Ramakrishnan Praveen Kalarickel; Raffetto Mirco

? Source Id: 21100782626

? Author Ids: 8580886100;57076016200;6701772951

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Brignone M.

19.

? Title: Noise Limitations on the Recovery of Average Values of Velocity Profiles in Pipelines by Simple Imaging Systems

? Venue: IEEE Geoscience and Remote Sensing Letters

? Year: 2016

? Type: Journal

? Subtype: Article

? Citations: 12

? Doi: 10.1109/LGRS.2016.2584703

? Scopus ID: 2-s2.0-84978886220

? ISSN: 1545598X

? Volume: 13

? Issue: 9

? Pages: 1340-1344

? Authors: Brignone Massimo; Gragnani Gian Luigi; Pastorino Matteo; Raffetto Mirco; Randazzo Andrea

? Keywords: Bianisotropic media | inverse scattering procedures | moving media | reconstruction of velocity profiles | time-harmonic electromagnetic scattering

? Quartile:

2025:

? Geotechnical Engineering and Engineering Geology (Q1, rank 22, percentile 91)

? Electrical and Electronic Engineering (Q1, rank 90, percentile 91)

2016:

? Geotechnical Engineering and Engineering Geology (Q1, rank 4, percentile 98)

? Electrical and Electronic Engineering (Q1, rank 76, percentile 88)

? Source Id: 17259

? Author Ids: 8580886100;6701681576;7004880389;6701772951;7006280562

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

? Corresponding: Brignone M.

20.

? Title: Reconstruction of velocity profiles of two-dimensional targets by an inverse scattering procedure based on a numerical forward solver

? Venue: 2015 1st URSI Atlantic Radio Science Conference URSI at RASC 2015

? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Ursi-At-Rasc.2015.7302852
? Scopus ID: 2-s2.0-84959485934
? Authors: Brignone Massimo; Pastorino Matteo; Raffetto Mirco; Randazzo Andrea
? Source Id: 21100448536
? Author Ids: 8580886100;7004880389;6701772951;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Brignone M.

21.

? Title: Reconstruction of non-constant velocity profiles in pneumatic pipelines by microwave inverse scattering techniques
? Venue: Proceedings of the 2015 International Conference on Electromagnetics in Advanced Applications Iceaa 2015
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Iceaa.2015.7297125
? Scopus ID: 2-s2.0-84955459853
? Pages: 309-312
? Authors: Brignone M.; Raffetto M.; Randazzo A.
? Keywords: Inverse problems | Noise measurement | Optimization | Permittivity | Scattering | Signal to noise ratio
? Source Id: 21100440505
? Author Ids: 8580886100;6701772951;7006280562
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Brignone M.

22.

? Title: First error analyses for finite element solutions of boundary value problems involving cylinders moving in the axial direction
? Venue: Proceedings of the 2015 International Conference on Electromagnetics in Advanced Applications Iceaa 2015
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Iceaa.2015.7297124
? Scopus ID: 2-s2.0-84955456985
? Pages: 305-308
? Authors: Raffetto M.; Ramakrishnan P. Kalarickel
? Keywords: Accuracy | Analytical models | Error analysis | Finite element analysis | Numerical models | Reliability | Zirconium
? Source Id: 21100440505
? Author Ids: 6701772951;57076016200
? Authoraffiliationids: 60025153;60025153
? Corresponding: Raffetto M.

23.

? Title: Well posedness and finite element approximability of two-dimensional time-harmonic electromagnetic problems involving non-conducting moving objects with stationary boundaries
? Venue: ESAIM Mathematical Modelling and Numerical Analysis

? Year: 2015
? Type: Journal
? Subtype: Article
? Citations: 12
? DOI: 10.1051/m2an/2015006
? Scopus ID: 2-s2.0-84935062210
? Issn: 28227840
? eISSN: 28047214
? Volume: 49
? Issue: 4
? Pages: 1157-1192
? Authors: Brignone Massimo; Raffetto Mirco
? Keywords: Bianisotropic media | Convergence of the approximation | Electromagnetic scattering | Finite element method | Moving media | Time-harmonic electromagnetic fields | Variational formulation | Well posedness
? Quartile:
2025:
? Analysis (Q1, rank 46, percentile 77)
? Applied Mathematics (Q2, rank 238, percentile 64)
? Numerical Analysis (Q2, rank 33, percentile 63)
? Computational Mathematics (Q2, rank 83, percentile 59)
? Modeling and Simulation (Q2, rank 171, percentile 54)
2015:
? Analysis (Q1, rank 8, percentile 93)
? Numerical Analysis (Q1, rank 6, percentile 86)
? Applied Mathematics (Q1, rank 61, percentile 85)
? Modeling and Simulation (Q1, rank 45, percentile 80)
? Source Id: 25956
? Author Ids: 8580886100;6701772951
? Authoraffiliationids: 60025153;60025153
? Corresponding: Brignone M.

24.

? Title: Electromagnetic inverse scattering of axially moving cylindrical targets
? Venue: IEEE Transactions on Geoscience and Remote Sensing
? Year: 2015
? Type: Journal
? Subtype: Article
? Citations: 26
? Doi: 10.1109/Tgrs.2014.2342933
? Scopus ID: 2-s2.0-84907451923
? Issn: 01962892
? Volume: 53
? Issue: 3
? Pages: 1452-1462
? Authors: Pastorino Matteo; Raffetto Mirco; Randazzo Andrea
? Keywords: Bianisotropic media | Inverse scattering procedures | Moving media | Reconstruction of permittivity and velocity profiles | Time-harmonic electromagnetic scattering
? Quartile:
2025:
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)
2015:
? Earth and Planetary Sciences (all) (Q1, rank 4, percentile 97)

- ? Electrical and Electronic Engineering (Q1, rank 33, percentile 95)
 ? Source Id: 17360
 ? Author Ids: 7004880389;6701772951;7006280562
 ? Authoraffiliationids: 60025153;60025153;60025153
 ? Corresponding: Pastorino M.
25.
 ? Title: Direct and inverse scattering of moving cylinders at relativistic and non relativistic velocities
 ? Venue: Mediterranean Microwave Symposium
 ? Year: 2015
 ? Type: Conference Proceeding
 ? Subtype: Conference Paper
 ? Citations: 1
 ? Doi: 10.1109/Mms.2015.7375503
 ? Scopus ID: 2-s2.0-84962764614
 ? Issn: 21579822
 ? eISSN: 21579830
 ? Volume: 2015-January
 ? Authors: Gragnani G. L.; Pastorino M.; Raffetto M.; Randazzo A.
 ? Keywords: Direct scattering problem | elliptic cylinder | inverse scattering problem | moving media | reconstruction of permittivity and velocity profiles
 ? Quartile:
 2025:
 ? Electrical and Electronic Engineering (Q3, rank 604, percentile 39)
 ? Source Id: 20600195647
 ? Author Ids: 6701681576;7004880389;6701772951;7006280562
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153
 ? Corresponding: Gragnani G.
26.
 ? Title: Quick and reliable estimates of velocity profiles in pipelines by a simple electromagnetic inverse scattering technique
 ? Venue: Ist 2014 2014 IEEE International Conference on Imaging Systems and Techniques Proceedings
 ? Year: 2014
 ? Type: Conference Proceeding
 ? Subtype: Conference Paper
 ? Citations: 1
 ? Doi: 10.1109/Ist.2014.6958513
 ? Scopus ID: 2-s2.0-84916619947
 ? Pages: 404-409
 ? Authors: Pastorino Matteo; Raffetto Mirco; Randazzo Andrea; Fedeli Alessandro
 ? Keywords: bianisotropic media | Imaging systems | microwave tomography | moving media
 ? Source Id: 21100349566
 ? Author Ids: 7004880389;6701772951;7006280562;55512997500
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153
 ? Corresponding: Pastorino M.
27.
 ? Title: Electromagnetic scattering by lossy multilayer elliptic cylinders
 ? Venue: IEEE Microwave and Wireless Components Letters
 ? Year: 2014
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 4
 ? Doi: 10.1109/Lmwc.2014.2330498

? Scopus ID: 2-s2.0-84930619974
 ? Issn: 15311309
 ? Volume: 24
 ? Issue: 9
 ? Pages: 584-586
 ? Authors: Pastorino Matteo; Raffetto Mirco; Randazzo Andrea
 ? Keywords: Electromagnetic scattering | inhomogeneous media | lossy materials
 ? Quartile:
 2014:
 ? Electrical and Electronic Engineering (Q1, rank 91, percentile 86)
 ? Condensed Matter Physics (Q1, rank 55, percentile 86)
 ? Source Id: 17295
 ? Author Ids: 7004880389;6701772951;7006280562
 ? Authoraffiliationids: 60025153;60025153;60025153
 ? Corresponding: Pastorino M.

28.

? Title: Regularity of time-harmonic electromagnetic fields in the interior of bianisotropic materials and metamaterials
 ? Venue: IMA Journal of Applied Mathematics Institute of Mathematics and Its Applications
 ? Year: 2014
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 13
 ? DOI: 10.1093/imamat/hxs039
 ? Scopus ID: 2-s2.0-84893058575
 ? Issn: 02724960
 ? eISSN: 14643634
 ? Volume: 79
 ? Issue: 1
 ? Pages: 54-93
 ? Authors: Fernandes Paolo; Ottonello Marina; Raffetto Mirco
 ? Keywords: analyticity of electromagnetic fields | anisotropic media and metamaterials | bianisotropic media and metamaterials | interior H^1 -order regularity of electromagnetic fields | interior Sobolev regularity of electromagnetic fields | time-harmonic Maxwell equations
 ? Quartile:
 2025:
 ? Applied Mathematics (Q2, rank 259, percentile 61)
 2014:
 ? Applied Mathematics (Q2, rank 154, percentile 61)
 ? Source Id: 23146
 ? Author Ids: 7102795214;57156258000;6701772951
 ? Authoraffiliationids: 60107402;60025153;60025153
 ? Corresponding: Fernandes P.

29.

? Title: Two-dimensional green's function for scattering and radiation problems in elliptically-layered media
 ? Venue: IEEE Transactions on Antennas and Propagation
 ? Year: 2014
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 12
 ? Doi: 10.1109/Tap.2014.2299817

? Scopus ID: 2-s2.0-84907421819
? Issn: 0018926x
? Volume: 62
? Issue: 4
? Pages: 2071-2080
? Authors: Pastorino Matteo; Raffetto Mirco; Randazzo Andrea
? Keywords: Electromagnetic scattering | Green function | integral equations | nonhomogeneous media
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)
2014:
? Electrical and Electronic Engineering (Q1, rank 54, percentile 91)
? Subject (Q1, rank 34, percentile 91)
? Source Id: 17337
? Author Ids: 7004880389;6701772951;7006280562
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Pastorino M.

30.

? Title: First results on the reliability of finite element simulators for the solution of time-harmonic electromagnetic problems involving moving objects with stationary boundaries
? Venue: Proceedings of the 2013 International Conference on Electromagnetics in Advanced Applications Iceaa 2013
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Iceaa.2013.6632212
? Scopus ID: 2-s2.0-84888338728
? Pages: 159-162
? Authors: Brignone M.; Raffetto M.
? Source Id: 21100268402
? Author Ids: 8580886100;6701772951
? Authoraffiliationids: 60025153;60025153
? Corresponding: Brignone M.

31.

? Title: Electromagnetic inverse scattering of axially moving elliptic targets
? Venue: Proceedings of the 2013 International Conference on Electromagnetics in Advanced Applications Iceaa 2013
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Iceaa.2013.6632213
? Scopus ID: 2-s2.0-84888311418
? Pages: 163-166
? Authors: Pastorino M.; Raffetto M.; Randazzo A.
? Source Id: 21100268402
? Author Ids: 7004880389;6701772951;7006280562
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Pastorino M.

32.

? Title: Reconstruction of dielectric and velocity profiles in pipelines through an

electromagnetic inverse scattering technique

? Venue: Ist 2013 2013 IEEE International Conference on Imaging Systems and Techniques

Proceedings

? Year: 2013

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Doi: 10.1109/Ist.2013.6729668

? Scopus ID: 2-s2.0-84894480955

? Pages: 85-90

? Authors: Pastorino Matteo; Raffetto Mirco; Randazzo Andrea

? Keywords: Dielectric reconstruction | inverse scattering | microwaves | stochastic optimization | velocity profiling

? Source Id: 21100286952

? Author Ids: 7004880389;6701772951;7006280562

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Pastorino M.

33.

? Title: Scattering of electromagnetic waves from a multilayer elliptic cylinder moving in the axial direction

? Venue: IEEE Transactions on Antennas and Propagation

? Year: 2013

? Type: Journal

? Subtype: Article

? Citations: 15

? Doi: 10.1109/Tap.2013.2268245

? Scopus ID: 2-s2.0-84883690078

? Issn: 0018926x

? Volume: 61

? Issue: 9

? Pages: 4741-4753

? Authors: Pastorino Matteo; Raffetto Mirco

? Keywords: Bianisotropic media | Electromagnetic scattering | Inhomogeneous elliptic cylinders | Moving media | Multilayer elliptic cylinders | Recursive analytical procedure | Series solution | Time-harmonic electromagnetic fields

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)

2013:

? Subject (Q1, rank 32, percentile 91)

? Electrical and Electronic Engineering (Q1, rank 60, percentile 90)

? Source Id: 17337

? Author Ids: 7004880389;6701772951

? Authoraffiliationids: 60025153;60025153

? Corresponding: Pastorino M.

34.

? Title: Realistic and correct models of impressed sources for time-harmonic electromagnetic boundary value problems involving metamaterials

? Venue: International Journal of Modeling Simulation and Scientific Computing

? Year: 2013

? Type: Journal

? Subtype: Article

? Citations: 1

? Doi: 10.1142/S1793962313500128

? Scopus ID: 2-s2.0-84883028467
? Issn: 17939623
? eISSN: 17939615
? Volume: 4
? Issue: 3
? Authors: Fernandes Paolo; Raffetto Mirco
? Keywords: electromagnetic modeling of composite media | electromagnetic simulators | finite element methods | ill-posedness | metamaterials | Time-harmonic electromagnetic boundary value problems | waveguide discontinuity problems
? Quartile:
2025:
? Modeling and Simulation (Q2, rank 173, percentile 54)
? Computer Science Applications (Q3, rank 524, percentile 46)
2013:
? Computer Science Applications (Q3, rank 330, percentile 32)
? Modeling and Simulation (Q3, rank 154, percentile 27)
? Source Id: 19900192598
? Author Ids: 7102795214;6701772951
? Authoraffiliationids: 60107402;60025153
? Corresponding: Fernandes P.

35.

? Title: Some additional warnings on the reliability of simulators for time-harmonic electromagnetic problems involving innovative media
? Venue: 2011 Computational Electromagnetics International Workshop Cem 11
? Year: 2011
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Cem.2011.6047341
? Scopus ID: 2-s2.0-80655138715
? Pages: 109-114
? Authors: Fernandes Paolo; Raffetto Mirco
? Source Id: 20500195016
? Author Ids: 7102795214;6701772951
? Authoraffiliationids: 60021199;60025153
? Corresponding: Fernandes P.

36.

? Title: Comparison among cognitive radio architectures for spectrum sensing
? Venue: Eurasip Journal on Wireless Communications and Networking
? Year: 2011
? Type: Journal
? Subtype: Review
? Citations: 12
? Doi: 10.1155/2011/749891
? Scopus ID: 2-s2.0-79955008160
? Issn: 16871472
? eISSN: 16871499
? Volume: 2011
? Authors: Bixio Luca; Ottonello Marina; Raffetto Mirco; Regazzoni Carlo S.
? Quartile:
2025:
? Signal Processing (Q2, rank 52, percentile 73)
? Computer Networks and Communications (Q2, rank 160, percentile 70)
? Computer Science Applications (Q2, rank 317, percentile 67)

2011:

- ? Computer Science Applications (Q2, rank 142, percentile 68)
- ? Computer Networks and Communications (Q2, rank 73, percentile 63)
- ? Signal Processing (Q2, rank 27, percentile 60)
- ? Source Id: 18202
- ? Author Ids: 6508141299;57156258000;6701772951;35513672400
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153
- ? Corresponding: Bixio L.

37.

- ? Title: A comparison among cooperative spectrum sensing approaches for cognitive radios
- ? Venue: 2010 2nd International Workshop on Cognitive Information Processing Cip2010
- ? Year: 2010
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 7
- ? Doi: 10.1109/Cip.2010.5604202
- ? Scopus ID: 2-s2.0-78349278100
- ? Pages: 168-173
- ? Authors: Bixio Luca; Ottonello Marina; Raffetto Mirco; Regazzoni Carlo S.; Armani Claudio
- ? Keywords: Cognitive radio | COoperative spectrum sensing | Logical fusion rule | Optimal fusion rule
- ? Source Id: 19700182333
- ? Author Ids: 6508141299;57156258000;6701772951;35513672400;7801356319
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60083763
- ? Corresponding: Bixio L.

38.

- ? Title: A comparison between stand-alone and distributed architectures for spectrum hole detection
- ? Venue: IEEE Wireless Communications and Networking Conference Wcnc
- ? Year: 2010
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 4
- ? Doi: 10.1109/Wcnc.2010.5506622
- ? Scopus ID: 2-s2.0-77955015755
- ? Issn: 15253511
- ? Authors: Bixio Luca; Ottonello Marina; Raffetto Mirco; Regazzoni Carlo S.
- ? Quartile:
2025:
 - ? Engineering (all) (Q2, rank 148, percentile 57)
- ? Source Id: 145653
- ? Author Ids: 6508141299;57156258000;6701772951;35513672400
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153
- ? Corresponding: Bixio L.

39.

- ? Title: Cognitive radios with multiple antennas exploiting spatial opportunities
- ? Venue: IEEE Transactions on Signal Processing
- ? Year: 2010
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 53
- ? Doi: 10.1109/Tsp.2010.2048322

? Scopus ID: 2-s2.0-77954584717
? Issn: 1053587x
? Volume: 58
? Issue: 8
? Pages: 4453-4459
? Authors: Bixio Luca; Oliveri Giacomo; Ottonello Marina; Raffetto Mirco; Regazzoni Carlo S.
? Keywords: Cognitive radio (CR) | MIMO interference channel (MIMO IC) | multiple-input multiple-output (MIMO) | spatial opportunity
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 79, percentile 92)
? Signal Processing (Q1, rank 18, percentile 91)
? Source Id: 17391
? Author Ids: 6508141299;6701615935;57156258000;6701772951;35513672400
? Authoraffiliationids: 60025153;60015986;60025153;60025153;60025153
? Corresponding: Bixio L.

40.

? Title: Plain models of very simple waveguide junctions without any solution for very rich sets of excitations
? Venue: IEEE Transactions on Antennas and Propagation
? Year: 2010
? Type: Journal
? Subtype: Article
? Citations: 3
? Doi: 10.1109/Tap.2010.2046840
? Scopus ID: 2-s2.0-77953088084
? Issn: 0018926x
? Volume: 58
? Issue: 6
? Pages: 1989-1996
? Authors: Fernandes Paolo; Raffetto Mirco
? Keywords: Electromagnetic boundary value problems | Electromagnetic simulators | Electromagnetic theory | Guided waves and wave-guiding structures | Ill posedness | Metamaterials
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)
? Source Id: 17337
? Author Ids: 7102795214;6701772951
? Authoraffiliationids: 60021199;60025153
? Corresponding: Fernandes P.

41.

? Title: Difficulties in recognizing ill-posed electromagnetic problems involving wrong effective models of media
? Venue: IEEE Antennas and Wireless Propagation Letters
? Year: 2009
? Type: Journal
? Subtype: Article
? Citations: 4
? Doi: 10.1109/Lawp.2009.2037169
? Scopus ID: 2-s2.0-77956210419
? Issn: 15361225
? Volume: 8

? Pages: 1283-1287
? Authors: Bozza Giovanni; Ottonello Marina; Raffetto Mirco
? Keywords: Boundary value problems | Composite media | Electromagnetic surface waves | Finite element methods (FEMS)
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 180, percentile 82)
? Source Id: 18894
? Author Ids: 9740507100;57156258000;6701772951
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Bozza G.

42.

? Title: Reliable approximation of the solution of time-harmonic electromagnetic boundary value problems involving bianisotropic media for numerical simulator testing
? Venue: European Microwave Week 2009 Eumw 2009 Science Progress and Quality at Radiofrequencies Conference Proceedings 39th European Microwave Conference Eumc 2009
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Eumc.2009.5296179
? Scopus ID: 2-s2.0-73049097751
? Pages: 954-957
? Authors: Fernandes Paolo; Ottonello Marina; Raffetto Mirco
? Source Id: 19500157491
? Author Ids: 7102795214;57156258000;6701772951
? Authoraffiliationids: 60107402;60025153;60025153
? Corresponding: Fernandes P.

43.

? Title: Well-posedness and finite element approximability of time-harmonic electromagnetic boundary value problems involving bianisotropic materials and metamaterials
? Venue: Mathematical Models and Methods in Applied Sciences
? Year: 2009
? Type: Journal
? Subtype: Article
? Citations: 35
? Doi: 10.1142/S0218202509004121
? Scopus ID: 2-s2.0-73049083321
? Issn: 02182025
? Volume: 19
? Issue: 12
? Pages: 2299-2335
? Authors: Fernandes Paolo; Raffetto Mirco
? Keywords: Bianisotropic materials | Convergence | Electromagnetic boundary value problems | Finite element method | Well-posedness
? Quartile:
2025:
? Applied Mathematics (Q1, rank 70, percentile 89)
? Modeling and Simulation (Q1, rank 56, percentile 85)
? Source Id: 24598
? Author Ids: 7102795214;6701772951
? Authoraffiliationids: 60107402;60025153
? Corresponding: Fernandes P.

44.

? Title: Signal classification based on spectral redundancy and neural network ensembles
? Venue: Proceedings of the 2009 4th International Conference on Cognitive Radio Oriented Wireless Networks and Communications Crowncom 2009
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 9
? Doi: 10.1109/Crowncom.2009.5189036
? Scopus ID: 2-s2.0-70449371840
? Authors: Bixio Luca; Ottonello Marina; Sallam Hany; Raffetto Mirco; Regazzoni Carlo S.
? Source Id: 19400158359
? Author Ids: 6508141299;57156258000;25961221800;6701772951;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Bixio L.

45.

? Title: Performance evaluation of a multiple antenna system for spectrum sensing
? Venue: IEEE Antennas and Propagation Society AP S International Symposium Digest
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Aps.2009.5171580
? Scopus ID: 2-s2.0-71049182253
? Issn: 15223965
? Authors: Bixio Luca; Ottonello Marina; Raffetto Mirco; Regazzoni Carlo S.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q4, rank 853, percentile 14)
? Source Id: 18719
? Author Ids: 6508141299;57156258000;6701772951;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bixio L.

46.

? Title: Simple waveguide junctions whose straightforward modelling leads to unsolvable boundary value problems
? Venue: IEEE Antennas and Propagation Society AP S International Symposium Digest
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Aps.2009.5171761
? Scopus ID: 2-s2.0-71049154898
? Issn: 15223965
? Authors: Fernandes Paolo; Ottonello Marina; Raffetto Mirco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q4, rank 853, percentile 14)
? Source Id: 18719
? Author Ids: 7102795214;57156258000;6701772951
? Authoraffiliationids: 60107402;60025153;60025153
? Corresponding: Fernandes P.

47.

? Title: An assessment by a commercial software of the accuracy of electromagnetic finite element simulators in the presence of metamaterials
? Venue: COMPEL the International Journal for Computation and Mathematics in Electrical and Electronic Engineering
? Year: 2008
? Type: Journal
? Subtype: Article
? Citations: 7
? Doi: 10.1108/03321640810905747
? Scopus ID: 2-s2.0-57249105435
? Issn: 03321649
? Volume: 27
? Issue: 6
? Pages: 1260-1272
? Authors: Oliveri Giacomo; Raffetto Mirco
? Keywords: Finite element analysis | Numerical analysis | Simulation
? Quartile:
2025:
? Applied Mathematics (Q2, rank 262, percentile 61)
? Computational Theory and Mathematics (Q2, rank 93, percentile 54)
? Electrical and Electronic Engineering (Q2, rank 486, percentile 51)
? Computer Science Applications (Q3, rank 541, percentile 44)
? Source Id: 28454
? Author Ids: 6701615935;6701772951
? Authoraffiliationids: 60025153;60025153
? Corresponding: Oliveri G.

48.

? Title: Accuracy of finite difference frequency domain methods in the presence of effective metamaterials
? Venue: Proceedings of the 38th European Microwave Conference Eumc 2008
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Eumc.2008.4751535
? Scopus ID: 2-s2.0-62349108035
? Pages: 646-649
? Authors: Oliveri Giacomo; Raffetto Mirco
? Source Id: 17100154703
? Author Ids: 6701615935;6701772951
? Authoraffiliationids: 60025153;60025153
? Corresponding: Oliveri G.

49.

? Title: Information processing techniques for cognitive base transceiver stations
? Venue: 3rd International Symposium on Wireless Pervasive Computing ISWPC 2008 Proceedings
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Iswpc.2008.4556223
? Scopus ID: 2-s2.0-51649093837
? Pages: 324-328

? Authors: Bixio Luca; Cattoni Andrea F.; Oliveri Giacomo; Ottonello Marina; Raffetto Mirco; Regazzoni Carlo S.
? Source Id: 12100156728
? Author Ids: 6508141299;14832346000;6701615935;57156258000;6701772951;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bixio L.

50.

? Title: A warning about metamaterials for users of frequency-domain numerical simulators
? Venue: IEEE Transactions on Antennas and Propagation
? Year: 2008
? Type: Journal
? Subtype: Article
? Citations: 19
? Doi: 10.1109/Tap.2008.916955
? Scopus ID: 2-s2.0-41649106097
? Issn: 0018926x
? Volume: 56
? Issue: 3
? Pages: 792-798
? Authors: Oliveri Giacomo; Raffetto Mirco
? Keywords: Boundary value problems | Convergence of numerical methods | Finite element methods | Frequency domain analysis | Metamaterials | Numerical stability | Waveguide discontinuity problems
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)
? Source Id: 17337
? Author Ids: 6701615935;6701772951
? Authoraffiliationids: 60025153;60025153
? Corresponding: Oliveri G.

51.

? Title: HOS-based mode classification for infomobility framework
? Venue: 1st International Workshop on Cognitive Wireless Networks Cwnets 07
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1145/1577382.1577388
? Scopus ID: 2-s2.0-70450283972
? Authors: Cattoni Andrea F.; Ottonello Marina; Raffetto Mirco; Regazzoni Carlo S.
? Keywords: Cognitive radio | Mode identification | SVM
? Source Id: 19400158625
? Author Ids: 14832346000;57156258000;6701772951;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Cattoni A.F.

52.

? Title: Neural networks Mode classification based on frequency distribution features
? Venue: Proceedings of the 2nd International Conference on Cognitive Radio Oriented Wireless Networks and Communications Crowncom
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 9

? Doi: 10.1109/Crowncom.2007.4549806
? Scopus ID: 2-s2.0-51349098971
? Pages: 251-257
? Authors: Cattoni Andrea F.; Ottonello Marina; Raffetto Mirco; Regazzoni Carlo S.
? Source Id: 12100156602
? Author Ids: 14832346000;57156258000;6701772951;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Cattoni A.F.

53.

? Title: Antenna systems with embodied cognition for next generation wireless communications
? Venue: IEEE Antennas and Propagation Society AP S International Symposium Digest
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Aps.2007.4395837
? Scopus ID: 2-s2.0-48349125038
? Issn: 15223965
? Pages: 1685-1688
? Authors: Briasco Marco; Cattoni Andrea F.; Oliveri Giacomo; Ottonello Marina; Raffetto Mirco; Regazzoni Carlo S.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q4, rank 853, percentile 14)
? Source Id: 18719
? Author Ids: 23992223900;14832346000;6701615935;57156258000;6701772951;35513672400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Briasco M.

54.

? Title: A simple but numerically unmanageable frequency-domain waveguide discontinuity problem
? Venue: 2007 International Conference on Electromagnetics in Advanced Applications Iceaa 07
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Iceaa.2007.4387425
? Scopus ID: 2-s2.0-47349107981
? Pages: 802-805
? Authors: Oliveri Giacomo; Raffetto Mirco
? Source Id: 11900154397
? Author Ids: 6701615935;6701772951
? Authoraffiliationids: 60025153;60025153
? Corresponding: Oliveri G.

55.

? Title: Cavities involving metamaterials with an uncountable set of resonant frequencies
? Venue: IEEE Microwave and Wireless Components Letters
? Year: 2007
? Type: Journal
? Subtype: Article
? Citations: 7

? Doi: 10.1109/Lmwc.2007.901760
? Scopus ID: 2-s2.0-34547734583
? Issn: 15311309
? Volume: 17
? Issue: 8
? Pages: 565-567
? Authors: Bozza Giovanni; Oliveri Giacomo; Raffetto Mirco
? Keywords: Cavity resonators | Eigenvalue problems | Metamaterials | Numerical methods
? Source Id: 17295
? Author Ids: 9740507100;6701615935;6701772951
? Authoraffiliationids: 60025153;60000251-60025153;60025153
? Corresponding: Bozza G.

56.

? Title: Performances of electromagnetic finite element simulators in the presence of three-dimensional double-negative scatterers
? Venue: IET Microwaves Antennas and Propagation
? Year: 2007
? Type: Journal
? Subtype: Article
? Citations: 9
? DOI: 10.1049/iet-map:20060293
? Scopus ID: 2-s2.0-34249900981
? Issn: 17518725
? eISSN: 17518733
? Volume: 1
? Issue: 3
? Pages: 737-745
? Authors: Cevini G.; Oliveri G.; Raffetto M.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 508, percentile 49)
? Source Id: 6100153023
? Author Ids: 6507509149;6701615935;6701772951
? Authoraffiliationids: 60015197-60083942;60025153;60025153
? Corresponding: Cevini G.

57.

? Title: Some reasons for the bad behavior of finite element simulators in the presence of metamaterials
? Venue: IEEE Antennas and Propagation Society AP S International Symposium Digest
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Aps.2007.4396296
? Scopus ID: 2-s2.0-48349140406
? Issn: 15223965
? Pages: 3516-3519
? Authors: Oliveri Giacomo; Raffetto Mirco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q4, rank 853, percentile 14)
? Source Id: 18719
? Author Ids: 6701615935;6701772951
? Authoraffiliationids: 60025153;60025153

? Corresponding: Oliveri G.

58.

? Title: Ill-posed waveguide discontinuity problem involving metamaterials with impedance boundary conditions on the two ports

? Venue: IET Science Measurement and Technology

? Year: 2007

? Type: Journal

? Subtype: Article

? Citations: 18

? DOI: 10.1049/iet-smt:20060123

? Scopus ID: 2-s2.0-34250872258

? Issn: 17518822

? Volume: 1

? Issue: 5

? Pages: 232-239

? Authors: Raffetto M.

? Quartile:

2025:

? Electrical and Electronic Engineering (Q2, rank 413, percentile 58)

? Atomic and Molecular Physics, and Optics (Q3, rank 124, percentile 48)

? Source Id: 5300152720

? Author Ids: 6701772951

? Authoraffiliationids: 60025153

? Corresponding: Raffetto M.

59.

? Title: Anomalous TEM modes in guiding structures filled with double negative and double positive materials

? Venue: IEEE Microwave and Wireless Components Letters

? Year: 2007

? Type: Journal

? Subtype: Article

? Citations: 7

? Doi: 10.1109/Lmwc.2006.887243

? Scopus ID: 2-s2.0-33846627256

? Issn: 15311309

? Volume: 17

? Issue: 1

? Pages: 19-21

? Authors: Bozza Giovanni; Oliveri Giacomo; Raffetto Mirco

? Keywords: Coaxial cables | Guiding structures | Metamaterials | Transmission lines (TLs)

? Source Id: 17295

? Author Ids: 9740507100;6701615935;6701772951

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Bozza G.

60.

? Title: Synthesis of metamaterial coatings for cylindrical structures by an ant-colony optimization algorithm

? Venue: Ist 2006 Proceedings of the 2006 IEEE International Workshop on Imaging Systems and Techniques

? Year: 2006

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? Doi: 10.1109/Ist.2006.1650792
? Scopus ID: 2-s2.0-33845598481
? Volume: 2006
? Pages: 143-147
? Authors: Bozza G.; Pastorino M.; Raffetto M.; Randazzo A.
? Keywords: Ant colony optimization | Metamaterials | Synthesis
? Source Id: 5100153514
? Author Ids: 9740507100;7004880389;6701772951;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bozza G.

61.

? Title: Further comments on the performances of finite element simulators for the solution of electromagnetic problems involving metamaterials
? Venue: Microwave and Optical Technology Letters
? Year: 2006
? Type: Journal
? Subtype: Conference Paper
? Citations: 18
? DOI: 10.1002/mop.22008
? Scopus ID: 2-s2.0-33750544943
? Issn: 08952477
? Volume: 48
? Issue: 12
? Pages: 2524-2529
? Authors: Cevini Gaia; Oliveri Giacomo; Raffetto Mirco
? Keywords: Electromagnetic scattering | Finite element method | Metamaterials | Performances of finite element simulators
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 542, percentile 45)
? Electronic, Optical and Magnetic Materials (Q3, rank 199, percentile 35)
? Atomic and Molecular Physics, and Optics (Q3, rank 156, percentile 34)
? Condensed Matter Physics (Q3, rank 296, percentile 33)
? Source Id: 12250
? Author Ids: 6507509149;6701615935;6701772951
? Authoraffiliationids: 60015197;60025153;60025153
? Corresponding: Cevini G.

62.

? Title: A SVM-based approach to microwave breast cancer detection
? Venue: Engineering Applications of Artificial Intelligence
? Year: 2006
? Type: Journal
? Subtype: Article
? Citations: 47
? DOI: 10.1016/j.engappai.2006.05.010
? Scopus ID: 2-s2.0-33749259750
? Issn: 09521976
? Volume: 19
? Issue: 7
? Pages: 807-818
? Authors: Kerhet Aliaksei; Raffetto Mirco; Boni Andrea; Massa Andrea
? Keywords: Breast cancer detection | Microwaves | Support vector machines
? Quartile:
2025:

? Control and Systems Engineering (Q1, rank 32, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 87, percentile 91)
? Artificial Intelligence (Q1, rank 66, percentile 86)
? Source Id: 24182
? Author Ids: 14822287400;6701772951;35916687600;7005085831
? Authoraffiliationids: 60015986;60025153;60015986;60015986
? Corresponding: Kerhet A.

63.

? Title: Synthesis of double-negative materials by using dielectric-loaded rectangular waveguides
? Venue: Proceedings of the 36th European Microwave Conference Eumc 2006
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Eumc.2006.281198
? Scopus ID: 2-s2.0-41649090861
? Pages: 1225-1228
? Authors: Briasco Marco; Oliveri Giacomo; Raffetto Mirco
? Keywords: Double-negative materials | Effective properties | Microwave components
? Source Id: 21100932839
? Author Ids: 23992223900;6701615935;6701772951
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Briasco M.

64.

? Title: Unsupervised synthesis of microwave components by means of an evolutionary-based tool exploiting distributed computing resources
? Venue: Progress in Electromagnetics Research
? Year: 2006
? Type: Journal
? Subtype: Article
? Citations: 9
? Doi: 10.2528/Pier05010901
? Scopus ID: 2-s2.0-33947114795
? Issn: 10704698
? eISSN: 15598985
? Volume: 56
? Pages: 93-108
? Authors: Donelli M.; Azaro R.; Massa A.; Raffetto M.
? Quartile:
2025:
? Radiation (Q1, rank 1, percentile 99)
? Condensed Matter Physics (Q1, rank 32, percentile 92)
? Electrical and Electronic Engineering (Q1, rank 88, percentile 91)
? Source Id: 5300152513
? Author Ids: 7006135869;8662846400;7005085831;6701772951
? Authoraffiliationids: 60015986;60015986;60015986;60025153
? Corresponding: Donelli M.

65.

? Title: Performance evaluation of 3D FEM-based simulators in modelling scattering problems with metamaterials
? Venue: 35th European Microwave Conference 2005 Conference Proceedings
? Year: 2005
? Type: Conference Proceeding

? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Eumc.2005.1610061
? Scopus ID: 2-s2.0-33750556718
? Volume: 2
? Pages: 857-860
? Authors: Cevini Gaia; Raffetto Mirco
? Source Id: 5200153004
? Author Ids: 6507509149;6701772951
? Authoraffiliationids: 60015197;60025153
? Corresponding: Cevini G.

66.

? Title: Interactions between electromagnetic waves and elliptically shaped metamaterials
? Venue: IEEE Antennas and Wireless Propagation Letters
? Year: 2005
? Type: Journal
? Subtype: Article
? Citations: 9
? Doi: 10.1109/Lawp.2005.848382
? Scopus ID: 2-s2.0-31144437167
? Issn: 15361225
? Volume: 4
? Issue: 1
? Pages: 165-168
? Authors: Pastorino Matteo; Raffetto Mirco; Randazzo Andrea
? Keywords: Double-negative materials | Electromagnetic scattering | Elliptic cylinders | Metamaterials | Series solution
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 180, percentile 82)
? Source Id: 18894
? Author Ids: 7004880389;6701772951;7006280562
? Authoraffiliationids: 60000251-60025153;60025153;60025153
? Corresponding: Pastorino M.

67.

? Title: Discrete compactness for edge elements in the presence of mixed boundary conditions
? Venue: SIAM Journal on Numerical Analysis
? Year: 2005
? Type: Journal
? Subtype: Article
? Citations: 2
? Doi: 10.1137/S003614290343414x
? Scopus ID: 2-s2.0-25444520838
? Issn: 00361429
? Volume: 42
? Issue: 5
? Pages: 1818-1829
? Authors: Raffetto Mirco
? Keywords: Convergence | Discrete compactness property | Edge elements | Electromagnetic boundary value problems | Electromagnetic eigenproblems | Galerkin finite element approximations | Mixed boundary conditions
? Quartile:

2025:

- ? Applied Mathematics (Q1, rank 93, percentile 86)
- ? Computational Mathematics (Q1, rank 40, percentile 80)
- ? Numerical Analysis (Q1, rank 19, percentile 79)

? Source Id: 26421

? Author Ids: 6701772951

? Authoraffiliationids: 60025153

? Corresponding: Raffetto M.

68.

- ? Title: Existence, uniqueness and finite element approximation of the solution of time-harmonic electromagnetic boundary value problems involving metamaterials
- ? Venue: COMPEL the International Journal for Computation and Mathematics in Electrical and Electronic Engineering
- ? Year: 2005
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 35
- ? Doi: 10.1108/03321640510615724
- ? Scopus ID: 2-s2.0-25444512624
- ? Issn: 03321649
- ? Volume: 24
- ? Issue: 4
- ? Pages: 1450-1469
- ? Authors: Fernandes Paolo; Raffetto Mirco
- ? Keywords: Composite materials | Electromagnetism | Finite element analysis | Radiation
- ? Quartile:

2025:

- ? Applied Mathematics (Q2, rank 262, percentile 61)
- ? Computational Theory and Mathematics (Q2, rank 93, percentile 54)
- ? Electrical and Electronic Engineering (Q2, rank 486, percentile 51)
- ? Computer Science Applications (Q3, rank 541, percentile 44)

? Source Id: 28454

? Author Ids: 7102795214;6701772951

? Authoraffiliationids: 60107402;60025153

? Corresponding: Fernandes P.

69.

- ? Title: Parallel GA-based approach for microwave imaging applications
- ? Venue: IEEE Transactions on Antennas and Propagation
- ? Year: 2005
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 55
- ? Doi: 10.1109/Tap.2005.856311
- ? Scopus ID: 2-s2.0-27644555955
- ? Issn: 0018926x
- ? Volume: 53
- ? Issue: 10
- ? Pages: 3118-3127
- ? Authors: Massa Andrea; Franceschini Davide; Franceschini Gabriele; Pastorino Matteo; Raffetto Mirco; Donelli Massimo
- ? Keywords: Genetic algorithms (GAs) | Inverse scattering | Microwave imaging | Parallel implementation
- ? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)

? Source Id: 17337

? Author Ids: 7005085831;7004020831;9235684200;7004880389;6701772951;7006135869

? Authoraffiliationids: 60015986;60015986;60015986;60025153;60025153;60015986

? Corresponding: Massa A.

70.

? Title: Microwave imaging of cylindrical inhomogeneities based on an analytical forward solver and multiple illuminations

? Venue: 2004 IEEE International Workshop on Imaging Systems and Techniques Ist

? Year: 2004

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Scopus ID: 2-s2.0-15844430469

? Pages: 100-105

? Authors: Caorsi S.; Massa A.; Pastorino M.; Raffetto M.; Randazzo A.

? Source Id: 145102

? Author Ids: 7102084534;7005085831;7004880389;6701772951;7006280562

? Authoraffiliationids: 60015197;60015986;60025153;60025153;60025153

? Corresponding: Caorsi S.

71.

? Title: Detection of Buried Inhomogeneous Elliptic Cylinders by a Memetic Algorithm

? Venue: IEEE Transactions on Antennas and Propagation

? Year: 2003

? Type: Journal

? Subtype: Article

? Citations: 54

? Doi: 10.1109/Tap.2003.817984

? Scopus ID: 2-s2.0-0142126356

? Issn: 0018926x

? Volume: 51

? Issue: 10 li

? Pages: 2878-2884

? Authors: Caorsi Salvatore; Massa Andrea; Pastorino Matteo; Raffetto Mirco; Randazzo Andrea

? Keywords: Electromagnetic imaging | Elliptic cylinders | Evolutionary algorithms

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)

? Source Id: 17337

? Author Ids: 7102084534;7005085831;7004880389;6701772951;7006280562

? Authoraffiliationids: 60015197;60015986;60025153;60025153;60025153

? Corresponding: Caorsi S.

72.

? Title: Performance of a Causal Anisotropic Absorber for the Truncation of Finite Element Meshes in Time Domain Electromagnetic Unbounded Problems

? Venue: IEEE Transactions on Antennas and Propagation

? Year: 2003

? Type: Journal

? Subtype: Article

? Citations: 0

? Doi: 10.1109/Tap.2003.817201

? Scopus ID: 2-s2.0-0141861106

? Issn: 0018926x
? Volume: 51
? Issue: 9
? Pages: 2523-2529
? Authors: Bermani E.; Caorsi S.; Raffetto M.
? Keywords: Anisotropic absorbers | Finite element method (FEM) | Time domain.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)
? Source Id: 17337
? Author Ids: 6602981998;7102084534;6701772951
? Authoraffiliationids: 60015986;60015197;60025153
? Corresponding: Bermani E.

73.

? Title: Unique solvability for electromagnetic boundary value problems in the presence of partly lossy inhomogeneous anisotropic media and mixed boundary conditions
? Venue: Mathematical Models and Methods in Applied Sciences
? Year: 2003
? Type: Journal
? Subtype: Article
? Citations: 17
? Doi: 10.1142/S0218202503002672
? Scopus ID: 2-s2.0-0038407540
? Issn: 02182025
? Volume: 13
? Issue: 4
? Pages: 597-611
? Authors: Rodríguez Ana Alonso; Raffetto Mirco
? Keywords: Electromagnetic boundary value problems | Inhomogeneous anisotropic media | Mixed boundary conditions
? Quartile:
2025:
? Applied Mathematics (Q1, rank 70, percentile 89)
? Modeling and Simulation (Q1, rank 56, percentile 85)
? Source Id: 24598
? Author Ids: 7403543978;6701772951
? Authoraffiliationids: 60030318;60025153
? Corresponding: Rodríguez A.A.

74.

? Title: Impact of distributed computing on the performances of microwave CAD tools
? Venue: Conference Proceedings 33rd European Microwave Conference Eumc 2003
? Year: 2003
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Eumc.2003.1262238
? Scopus ID: 2-s2.0-84897531366
? Volume: 1
? Pages: 143-146
? Authors: Caorsi Salvatore; Donelli Massimo; Massa Andrea; Raffetto Mirco
? Source Id: 21100495770
? Author Ids: 7102084534;7006135869;7005085831;6701772951
? Authoraffiliationids: 60015197;60015986;60015986;60025153
? Corresponding: Caorsi S.

75.

? Title: A parallel implementation of an evolutionary-based automatic tool for microwave circuit synthesis: Preliminary results
? Venue: Microwave and Optical Technology Letters
? Year: 2002
? Type: Journal
? Subtype: Article
? Citations: 9
? DOI: 10.1002/mop.10547
? Scopus ID: 2-s2.0-0037027399
? Issn: 08952477
? Volume: 35
? Issue: 3
? Pages: 169-172
? Authors: Caorsi Salvatore; Donelli Massimo; Massa Andrea; Raffetto Mirco
? Keywords: Finite element method | Genetic algorithms | Microwave circuit synthesis | Parallel computing
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 542, percentile 45)
? Electronic, Optical and Magnetic Materials (Q3, rank 199, percentile 35)
? Atomic and Molecular Physics, and Optics (Q3, rank 156, percentile 34)
? Condensed Matter Physics (Q3, rank 296, percentile 33)
? Source Id: 12250
? Author Ids: 7102084534;7006135869;7005085831;6701772951
? Authoraffiliationids: 60015197;60025153;60015986;60025153
? Corresponding: Caorsi S.

76.

? Title: Microwave detection and dielectric characterization of cylindrical objects from amplitude-only data by means of neural networks
? Venue: IEEE Transactions on Antennas and Propagation
? Year: 2002
? Type: Journal
? Subtype: Article
? Citations: 46
? Doi: 10.1109/Tap.2002.801274
? Scopus ID: 2-s2.0-0036760570
? Issn: 0018926x
? Volume: 50
? Issue: 9
? Pages: 1309-1314
? Authors: Bermani Emanuela; Caorsi Salvatore; Raffetto Mirco
? Keywords: Amplitude-only data | Buried objects | Inverse scattering problems | Microwave imaging | Neural networks
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)
? Source Id: 17337
? Author Ids: 6602981998;7102084534;6701772951
? Authoraffiliationids: 60015986;60015197;60025153
? Corresponding: Bermani E.

77.

? Title: Characterization of spurious-free finite element methods in electromagnetics
? Venue: COMPEL the International Journal for Computation and Mathematics in Electrical

and Electronic Engineering

? Year: 2002

? Type: Journal

? Subtype: Article

? Citations: 10

? Doi: 10.1108/03321640210410814

? Scopus ID: 2-s2.0-0036220787

? Issn: 03321649

? Volume: 21

? Issue: 1

? Pages: 147-164

? Authors: Fernandes Paolo; Raffetto Mirco

? Keywords: Eigenvalues | Electromagnetics | Finite elements | Waveguide

? Quartile:

2025:

? Applied Mathematics (Q2, rank 262, percentile 61)

? Computational Theory and Mathematics (Q2, rank 93, percentile 54)

? Electrical and Electronic Engineering (Q2, rank 486, percentile 51)

? Computer Science Applications (Q3, rank 541, percentile 44)

? Source Id: 28454

? Author Ids: 7102795214;6701772951

? Authoraffiliationids: 101019361;101019361

? Corresponding: Fernandes P.

78.

? Title: Counterexamples to the currently accepted explanation for spurious modes and necessary and sufficient conditions to avoid them

? Venue: IEEE Transactions on Magnetics

? Year: 2002

? Type: Journal

? Subtype: Article

? Citations: 7

? Doi: 10.1109/20.996170

? Scopus ID: 2-s2.0-0036493567

? Issn: 00189464

? Volume: 38

? Issue: 2 I

? Pages: 653-656

? Authors: Fernandes Paolo; Raffetto Mirco

? Keywords: Cavity resonators | Finite-element methods | Modeling | Spectral analysis | Waveguides

? Quartile:

2025:

? Electrical and Electronic Engineering (Q2, rank 334, percentile 66)

? Electronic, Optical and Magnetic Materials (Q2, rank 134, percentile 56)

? Source Id: 17364

? Author Ids: 7102795214;6701772951

? Authoraffiliationids: 60021199;60025153

? Corresponding: Fernandes P.

79.

? Title: On the convergence of galerkin finite element approximations of electromagnetic eigenproblems

? Venue: SIAM Journal on Numerical Analysis

? Year: 2001

? Type: Journal

? Subtype: Article
? Citations: 109
? Doi: 10.1137/S0036142999357506
? Scopus ID: 2-s2.0-0034446186
? Issn: 00361429
? Volume: 38
? Issue: 2
? Pages: 580-607
? Authors: Caorsi Salvatore; Fernandes Paolo; Raffetto Mirco
? Keywords: Convergence | Discontinuous material properties | Edge elements | Electromagnetic eigenproblems | Galerkin finite element approximations | Noncompact operators | Spurious modes
? Quartile:
2025:
? Applied Mathematics (Q1, rank 93, percentile 86)
? Computational Mathematics (Q1, rank 40, percentile 80)
? Numerical Analysis (Q1, rank 19, percentile 79)
? Source Id: 26421
? Author Ids: 7102084534;7102795214;6701772951
? Authoraffiliationids: 60015197;126435161;60025153
? Corresponding: Caorsi S.

80.

? Title: Spurious-free approximations of electromagnetic eigenproblems by means of Nedelec-type elements
? Venue: Mathematical Modelling and Numerical Analysis
? Year: 2001
? Type: Journal
? Subtype: Article
? Citations: 30
? DOI: 10.1051/m2an:2001118
? Scopus ID: 2-s2.0-0035627702
? Issn: 0764583x
? Volume: 35
? Issue: 2
? Pages: 331-354
? Authors: Caorsi Salvatore; Fernandes Paolo; Raffetto Mirco
? Keywords: Convergence | Discontinuous material properties | Discrete compactness | Electromagnetic eigenproblems | Galerkin finite element approximations | Mixed boundary conditions | New families of edge elements | Spurious modes | Symmetry exploitation
? Quartile:
2025:
? Analysis (Q1, rank 46, percentile 77)
? Applied Mathematics (Q2, rank 238, percentile 64)
? Numerical Analysis (Q2, rank 33, percentile 63)
? Computational Mathematics (Q2, rank 83, percentile 59)
? Modeling and Simulation (Q2, rank 171, percentile 54)
? Source Id: 25956
? Author Ids: 7102084534;7102795214;6701772951
? Authoraffiliationids: 60015197;126431641;126431641
? Corresponding: Caorsi S.

81.

? Title: On the training patterns of a neural network for target localization in the spatial domain
? Venue: Microwave and Optical Technology Letters

? Year: 2001
? Type: Journal
? Subtype: Article
? Citations: 5
? Doi: 10.1002/1098-2760(20010205)28:3<207::Aid-Mop17>3.0.Co;2-7
? Scopus ID: 2-s2.0-0035252014
? Issn: 08952477
? Volume: 28
? Issue: 3
? Pages: 207-209
? Authors: Bermani E.; Caorsi S.; Massa A.; Raffetto M.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 542, percentile 45)
? Electronic, Optical and Magnetic Materials (Q3, rank 199, percentile 35)
? Atomic and Molecular Physics, and Optics (Q3, rank 156, percentile 34)
? Condensed Matter Physics (Q3, rank 296, percentile 33)
? Source Id: 12250
? Author Ids: 6602981998;7102084534;7005085831;6701772951
? Authoraffiliationids: 60015197;60015197;60015986;60025153
? Corresponding: Bermani E.

82.

? Title: Reliability and performances of finite element CAD tools for the solution of microwave problems
? Venue: 2001 31st European Microwave Conference Eumc 2001
? Year: 2001
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Euma.2001.339159
? Scopus ID: 2-s2.0-84897550164
? Authors: Fernandes P.; Raffetto M.
? Source Id: 21100301425
? Author Ids: 7102795214;6701772951
? Authoraffiliationids: 60021199;60025153
? Corresponding: Fernandes P.

83.

? Title: Uniqueness to the solution of electro- magnetic boundary value problems in the presence of partly lossy chiral media
? Venue: Journal of Electromagnetic Waves and Applications
? Year: 2001
? Type: Journal
? Subtype: Article
? Citations: 3
? Doi: 10.1163/156939301x01020
? Scopus ID: 2-s2.0-0034953948
? Issn: 09205071
? eISSN: 15693937
? Volume: 15
? Issue: 6
? Pages: 797-811
? Authors: Bermani E.; Caorsi Salvatore; Raffetto Mirco
? Quartile:
2025:

? Physics and Astronomy (all) (Q2, rank 122, percentile 51)
? Electrical and Electronic Engineering (Q2, rank 491, percentile 50)
? Electronic, Optical and Magnetic Materials (Q3, rank 188, percentile 39)
? Source Id: 28139
? Author Ids: 6602981998;7102084534;6701772951
? Authoraffiliationids: 60015197-60025153;60015197;60025153
? Corresponding: Bermani E.

84.

? Title: Characteristic conditions for spurious-free finite element approximations of electromagnetic eigenproblems
? Venue: European Congress on Computational Methods in Applied Sciences and Engineering Eccomas 2000
? Year: 2000
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-84893344032
? Authors: Caorsi Salvatore; Fernandes Paolo; Raffetto Mirco
? Keywords: Cavity resonators | Convergence of spectral approximations | Electromagnetic eigenproblems | Galerkin finite element approximations | Nedelec's edge elements | Spurious modes
? Source Id: 21100285701
? Author Ids: 7102084534;7102795214;6701772951
? Authoraffiliationids: 60015197;60021199;60025153
? Corresponding: Caorsi S.

85.

? Title: An inverse scattering approach based on a neural network technique for the detection of dielectric cylinders buried in a lossy Half-space
? Venue: Progress in Electromagnetics Research
? Year: 2000
? Type: Journal
? Subtype: Article
? Citations: 38
? Doi: 10.2528/Pier99052001
? Scopus ID: 2-s2.0-84887414460
? Issn: 10704698
? eISSN: 15598985
? Volume: 26
? Pages: 67-87
? Authors: Bermani E.; Caorsi S.; Raffetto M.
? Quartile:
2025:
? Radiation (Q1, rank 1, percentile 99)
? Condensed Matter Physics (Q1, rank 32, percentile 92)
? Electrical and Electronic Engineering (Q1, rank 88, percentile 91)
? Source Id: 5300152513
? Author Ids: 6602981998;7102084534;6701772951
? Authoraffiliationids: 60015197;60015197;60025153
? Corresponding: Bermani E.

86.

? Title: Time domain inverse scattering by means of neural networks
? Venue: IEEE Antennas and Propagation Society AP S International Symposium Digest
? Year: 2000
? Type: Conference Proceeding

? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-0034547588
? Issn: 02724693
? Volume: 3
? Pages: 1760-1763
? Authors: Bermanni E.; Caorsi S.; Raffetto M.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q4, rank 853, percentile 14)
? Source Id: 18719
? Author Ids: 6602981998;7102084534;6701772951
? Authoraffiliationids: 60015197;60015197;60015197
? Corresponding: Bermanni E.

87.

? Title: Neural network approach to the electromagnetic identification of cylindrical targets: Preliminary results
? Venue: CSELT Technical Reports
? Year: 2000
? Type: Trade Journal
? Subtype: Article
? Citations: 0
? Scopus ID: 2-s2.0-0034240480
? Issn: 03932648
? Volume: 28
? Issue: 4
? Pages: 515-521
? Authors: Bermanni E.; Caorsi S.; Raffetto M.; Roccato D.
? Source Id: 18207
? Author Ids: 6602981998;7102084534;6701772951;6506047961
? Authoraffiliationids: 60015197;60015197;60025153;60009628
? Corresponding: Bermanni E.

88.

? Title: Electromagnetic scattering by a multilayer elliptic cylinder under line-source illumination
? Venue: Microwave and Optical Technology Letters
? Year: 2000
? Type: Journal
? Subtype: Article
? Citations: 3
? Doi: 10.1002/(Sici)1098-2760(20000305)24:5<322::Aid-Mop11>3.0.Co;2-P
? Scopus ID: 2-s2.0-0033886892
? Issn: 08952477
? Volume: 24
? Issue: 5
? Pages: 322-329
? Authors: Caorsi Salvatore; Pastorino Matteo; Raffetto Mirco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 542, percentile 45)
? Electronic, Optical and Magnetic Materials (Q3, rank 199, percentile 35)
? Atomic and Molecular Physics, and Optics (Q3, rank 156, percentile 34)
? Condensed Matter Physics (Q3, rank 296, percentile 33)
? Source Id: 12250

? Author Ids: 7102084534;7004880389;6701772951
? Authoraffiliationids: 60015197;60025153;60025153
? Corresponding: Caorsi S.

89.

? Title: Geometric and dielectric characterization of buried cylinders by using simple time-domain electromagnetic data and neural networks
? Venue: Microwave and Optical Technology Letters
? Year: 2000
? Type: Journal
? Subtype: Article
? Citations: 10
? Doi: 10.1002/(Sici)1098-2760(20000105)24:1<24::Aid-Mop9>3.0.Co;2-U
? Scopus ID: 2-s2.0-0033910203
? Issn: 08952477
? Volume: 24
? Issue: 1
? Pages: 24-31
? Authors: Bermani E.; Caorsi S.; Raffetto M.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 542, percentile 45)
? Electronic, Optical and Magnetic Materials (Q3, rank 199, percentile 35)
? Atomic and Molecular Physics, and Optics (Q3, rank 156, percentile 34)
? Condensed Matter Physics (Q3, rank 296, percentile 33)
? Source Id: 12250
? Author Ids: 6602981998;7102084534;6701772951
? Authoraffiliationids: 60015197;60015197;60025153
? Corresponding: Bermani E.

90.

? Title: Threshold electromagnetic classification approach for cylinders embedded in a lossy medium by using a neural network technique
? Venue: Microwave and Optical Technology Letters
? Year: 2000
? Type: Journal
? Subtype: Article
? Citations: 18
? Doi: 10.1002/(Sici)1098-2760(20000105)24:1<13::Aid-Mop5>3.0.Co;2-9
? Scopus ID: 2-s2.0-0033909821
? Issn: 08952477
? Volume: 24
? Issue: 1
? Pages: 13-16
? Authors: Bermani E.; Caorsi S.; Raffetto M.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 542, percentile 45)
? Electronic, Optical and Magnetic Materials (Q3, rank 199, percentile 35)
? Atomic and Molecular Physics, and Optics (Q3, rank 156, percentile 34)
? Condensed Matter Physics (Q3, rank 296, percentile 33)
? Source Id: 12250
? Author Ids: 6602981998;7102084534;6701772951
? Authoraffiliationids: 60015197;60015197;60025153
? Corresponding: Bermani E.

91.

? Title: A Software for the Evaluation of Field Penetration inside Shielding Box with Apertures
? Venue: 15th International Wroclaw Symposium and Exhibition Electromagnetic Compatibility 2000 EMC 2000
? Year: 2000
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.23919/Emc.2000.10842149
? Scopus ID: 2-s2.0-85218168820
? Pages: 309-313
? Authors: Azaro R.; Caorsi S.; Donelli M.; Gragnani G. L.; Raffetto M.
? Source Id: 21101275416
? Author Ids: 8662846400;7102084534;7006135869;6701681576;6701772951
? Authoraffiliationids: 60025153;60015197;60025153;60025153;60025153
? Corresponding: Azaro R.

92.

? Title: Inverse scattering approach based on a neural network technique for the detection of dielectric cylinders buried in a lossy half-space
? Venue: Journal of Electromagnetic Waves and Applications
? Year: 2000
? Type: Journal
? Subtype: Article
? Citations: 0
? Doi: 10.1163/156939300x00815
? Scopus ID: 2-s2.0-84893483153
? Issn: 09205071
? Volume: 14
? Issue: 3
? Pages: 323-324
? Authors: Bermani E.; Caorsi S.; Raffetto M.
? Quartile:
2025:
? Physics and Astronomy (all) (Q2, rank 122, percentile 51)
? Electrical and Electronic Engineering (Q2, rank 491, percentile 50)
? Electronic, Optical and Magnetic Materials (Q3, rank 188, percentile 39)
? Source Id: 28139
? Author Ids: 6602981998;7102084534;6701772951
? Authoraffiliationids: 60015197;60015197;60025153
? Corresponding: Bermani E.

93.

? Title: Analytical SAR computation in a multilayer elliptic cylinder: The near-field line-current radiation case
? Venue: Bioelectromagnetics
? Year: 2000
? Type: Journal
? Subtype: Article
? Citations: 3
? Doi: 10.1002/1521-186x(200009)21:6<473::Aid-Bem7>3.0.Co;2-E
? Scopus ID: 2-s2.0-0034264612
? Issn: 01978462
? Volume: 21
? Issue: 6
? Pages: 473-479

? Authors: Caorsi Salvatore; Pastorino Matteo; Raffetto Mirco
? Keywords: Analytical solution | Electromagnetic dosimetry | Line source | Multilayer elliptic model | Specific absorption rate (SAR)
? Quartile:
2025:
? Radiology, Nuclear Medicine and Imaging (Q3, rank 199, percentile 43)
? Biophysics (Q3, rank 105, percentile 33)
? Physiology (Q4, rank 155, percentile 19)
? Source Id: 14839
? Author Ids: 7102084534;7004880389;6701772951
? Authoraffiliationids: 101769091-60015197-60025153;101769091-60025153;60025153
? Corresponding: Caorsi S.

94.

? Title: Electromagnetic scattering by a conducting strip with a multilayer elliptic dielectric coating
? Venue: IEEE Transactions on Electromagnetic Compatibility
? Year: 1999
? Type: Journal
? Subtype: Article
? Citations: 10
? Doi: 10.1109/15.809808
? Scopus ID: 2-s2.0-0033220952
? Issn: 00189375
? Volume: 41
? Issue: 4 Part 1
? Pages: 335-343
? Authors: Caorsi Salvatore; Pastorino Matteo; Raffetto Mirco
? Keywords: Coating materials | Conducting strip | Electromagnetic scattering
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 303, percentile 69)
? Condensed Matter Physics (Q2, rank 151, percentile 66)
? Atomic and Molecular Physics, and Optics (Q2, rank 83, percentile 65)
? Source Id: 26051
? Author Ids: 7102084534;7004880389;6701772951
? Authoraffiliationids: 60015197;60000251-60025153;60025153
? Corresponding: Caorsi S.

95.

? Title: EM field prediction inside lossy multilayer elliptic cylinders for biological-body modeling and numerical-procedure testing
? Venue: IEEE Transactions on Biomedical Engineering
? Year: 1999
? Type: Journal
? Subtype: Article
? Citations: 11
? Doi: 10.1109/10.797990
? Scopus ID: 2-s2.0-0032752754
? Issn: 00189294
? Volume: 46
? Issue: 11
? Pages: 1304-1309
? Authors: Caorsi Salvatore; Pastorino Matteo; Raffetto Mirco
? Keywords: Analytical solution | Biological-body modeling | Electromagnetic scattering | Multilayer elliptic model

? Quartile:
2025:
? Biomedical Engineering (Q1, rank 68, percentile 79)
? Source Id: 16318
? Author Ids: 7102084534;7004880389;6701772951
? Authoraffiliationids: 60015197;60025153;60015197
? Corresponding: Caorsi S.

96.

? Title: Causal perfectly matched anisotropic absorbers for the numerical solution of unbounded problems in the time domain
? Venue: Microwave and Optical Technology Letters
? Year: 1999
? Type: Journal
? Subtype: Article
? Citations: 5
? Doi: 10.1002/(Sici)1098-2760(19990520)21:4<295::Aid-Mop19>3.0.Co;2-1
? Scopus ID: 2-s2.0-0032686528
? Issn: 08952477
? Volume: 21
? Issue: 4
? Pages: 295-299
? Authors: Bermani E.; Caorsi S.; Raffetto M.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 542, percentile 45)
? Electronic, Optical and Magnetic Materials (Q3, rank 199, percentile 35)
? Atomic and Molecular Physics, and Optics (Q3, rank 156, percentile 34)
? Condensed Matter Physics (Q3, rank 296, percentile 33)
? Source Id: 12250
? Author Ids: 6602981998;7102084534;6701772951
? Authoraffiliationids: 60015197;60015197;60025153
? Corresponding: Bermani E.

97.

? Title: Analytic SAR computation in a multilayer elliptic cylinder for bioelectromagnetic applications
? Venue: Bioelectromagnetics
? Year: 1999
? Type: Journal
? Subtype: Article
? Citations: 9
? Doi: 10.1002/(Sici)1521-186x(199909)20:6<365::Aid-Bem5>3.0.Co;2-G
? Scopus ID: 2-s2.0-0033194923
? Issn: 01978462
? Volume: 20
? Issue: 6
? Pages: 365-371
? Authors: Caorsi Salvatore; Pastorino Matteo; Raffetto Mirco
? Keywords: Analytical solution | Electromagnetic dosimetry | Multilayer elliptic model | Specific absorption rate (sar)
? Quartile:
2025:
? Radiology, Nuclear Medicine and Imaging (Q3, rank 199, percentile 43)
? Biophysics (Q3, rank 105, percentile 33)
? Physiology (Q4, rank 155, percentile 19)

? Source Id: 14839
? Author Ids: 7102084534;7004880389;6701772951
? Authoraffiliationids: 101703096-60015197-60025153;101703096-60025153;60025153
? Corresponding: Caorsi S.

98.

? Title: Radar cross section per unit length of a lossy multilayer elliptic cylinder
? Venue: Microwave and Optical Technology Letters
? Year: 1999
? Type: Journal
? Subtype: Article
? Citations: 6
? Doi: 10.1002/(Sici)1098-2760(19990605)21:5<380::Aid-Mop20>3.0.Co;2-H
? Scopus ID: 2-s2.0-0032641497
? Issn: 08952477
? Volume: 21
? Issue: 5
? Pages: 380-384
? Authors: Caorsi Salvatore; Pastorino Matteo; Raffetto Mirco
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 542, percentile 45)
? Electronic, Optical and Magnetic Materials (Q3, rank 199, percentile 35)
? Atomic and Molecular Physics, and Optics (Q3, rank 156, percentile 34)
? Condensed Matter Physics (Q3, rank 296, percentile 33)
? Source Id: 12250
? Author Ids: 7102084534;7004880389;6701772951
? Authoraffiliationids: 60015197;60025153;60025153
? Corresponding: Caorsi S.

99.

? Title: Microwave object recognition approach based on neural networks
? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference
? Year: 1999
? Type: Conference Proceeding
? Subtype: Article
? Citations: 6
? Scopus ID: 2-s2.0-0032630298
? Volume: 3
? Pages: 1582-1585
? Authors: Bermani E.; Caorsi S.; Raffetto M.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 634, percentile 36)
? Source Id: 15045
? Author Ids: 6602981998;7102084534;6701772951
? Authoraffiliationids: 60015197;60015197;60015197
? Corresponding: Bermani E.

100.

? Title: Electromagnetic scattering by weakly lossy multilayer elliptic cylinders
? Venue: IEEE Transactions on Antennas and Propagation
? Year: 1998
? Type: Journal
? Subtype: Article
? Citations: 21
? Doi: 10.1109/8.736636

? Scopus ID: 2-s2.0-0032205076
? Issn: 0018926x
? Volume: 46
? Issue: 11
? Pages: 1750-1751
? Authors: Caorsi Salvatore; Pastorino Matteo; Raffetto Mirco
? Keywords: Electromagnetic scattering | Nonhomogeneous media
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)
? Source Id: 17337
? Author Ids: 7102084534;7004880389;6701772951
? Authoraffiliationids: 60015197-60025153;60015197;60015197
? Corresponding: Caorsi S.

101.

? Title: Uniqueness of the solution of electromagnetic boundary-value problems in the presence of lossy and piecewise homogeneous lossless dielectrics
? Venue: IEEE Transactions on Microwave Theory and Techniques
? Year: 1998
? Type: Journal
? Subtype: Article
? Citations: 8
? Doi: 10.1109/22.721135
? Scopus ID: 2-s2.0-0001236224
? Issn: 00189480
? Volume: 46
? Issue: 10 Part 1
? Pages: 1353-1359
? Authors: Caorsi Salvatore; Raffetto Mirco
? Keywords: Electromagnetic theory
? Quartile:
2025:
? Radiation (Q1, rank 3, percentile 96)
? Condensed Matter Physics (Q1, rank 48, percentile 89)
? Electrical and Electronic Engineering (Q1, rank 120, percentile 88)
? Source Id: 17366
? Author Ids: 7102084534;6701772951
? Authoraffiliationids: 60015197-60025153;60015197-60025153
? Corresponding: Caorsi S.

102.

? Title: Testing Numerical Codes In Emc: A Procedure For Field-Data Computation For Pec Strips And Elliptic Cylinders With Multilayer Coatings
? Venue: 14th International Wroclaw Symposium and Exhibition on Electromagnetic Compatibility 1998 EMC 1998
? Year: 1998
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.23919/Emc.1998.10834724
? Scopus ID: 2-s2.0-85217620187
? Pages: 255-259
? Authors: Azaro Renzo; Caorsi Salvatore; Pastorino Matteo; Raffetto Mirco
? Source Id: 21101274512
? Author Ids: 8662846400;7102084534;7004880389;6701772951

? Authoraffiliationids: 60025153;60015197;60025153;60025153

? Corresponding: Azaro R.

103.

? Title: Perfectly matched layers for the truncation of finite-element meshes in layered half-space geometries and applications to electromagnetic scattering by buried objects

? Venue: Microwave and Optical Technology Letters

? Year: 1998

? Type: Journal

? Subtype: Article

? Citations: 18

? Doi: 10.1002/(Sici)1098-2760(19981220)19:6<427::Aid-Mop13>3.0.Co;2-U

? Scopus ID: 2-s2.0-0032293986

? Issn: 08952477

? Volume: 19

? Issue: 6

? Pages: 427-434

? Authors: Caorsi S.; Raffetto M.

? Keywords: Electromagnetic scattering by buried objects | Finite-element method | Perfectly matched layer | Truncation of meshes in layered half-space geometries

? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 542, percentile 45)

? Electronic, Optical and Magnetic Materials (Q3, rank 199, percentile 35)

? Atomic and Molecular Physics, and Optics (Q3, rank 156, percentile 34)

? Condensed Matter Physics (Q3, rank 296, percentile 33)

? Source Id: 12250

? Author Ids: 7102084534;6701772951

? Authoraffiliationids: 60015197;60025153

? Corresponding: Caorsi S.

104.

? Title: Analyticity of electromagnetic fields in regions characterized by analytic dielectric parameters and analytic sources

? Venue: IEEE Transactions on Microwave Theory and Techniques

? Year: 1997

? Type: Journal

? Subtype: Article

? Citations: 5

? Doi: 10.1109/22.641760

? Scopus ID: 2-s2.0-0031250796

? Issn: 00189480

? Volume: 45

? Issue: 10 Part 1

? Pages: 1805-1807

? Authors: Caorsi S.; Raffetto M.

? Keywords: Electromagnetic theory | Theoretical electromagnetics

? Quartile:

2025:

? Radiation (Q1, rank 3, percentile 96)

? Condensed Matter Physics (Q1, rank 48, percentile 89)

? Electrical and Electronic Engineering (Q1, rank 120, percentile 88)

? Source Id: 17366

? Author Ids: 7102084534;6701772951

? Authoraffiliationids: 60015197-60025153;60025153

- ? Corresponding: Caorsi S.
- 105.
- ? Title: Do Covariant Projection Elements Really Satisfy the Inclusion Condition?
- ? Venue: IEEE Transactions on Microwave Theory and Techniques
- ? Year: 1997
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 5
- ? Doi: 10.1109/22.622936
- ? Scopus ID: 2-s2.0-0031232907
- ? Issn: 00189480
- ? Volume: 45
- ? Issue: 9
- ? Pages: 1643-1644
- ? Authors: Caorsi S.; Fernandes P.; Raffetto M.
- ? Quartile:
- 2025:
- ? Radiation (Q1, rank 3, percentile 96)
- ? Condensed Matter Physics (Q1, rank 48, percentile 89)
- ? Electrical and Electronic Engineering (Q1, rank 120, percentile 88)
- ? Source Id: 17366
- ? Author Ids: 7102084534;54679514600;6701772951
- ? Authoraffiliationids: 60015197;60021199;60025153
- ? Corresponding: Caorsi S.
- 106.
- ? Title: Electromagnetic scattering by a multilayer elliptic cylinder under transverse-magnetic illumination: series solution in terms of mathieu functions
- ? Venue: IEEE Transactions on Antennas and Propagation
- ? Year: 1997
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 72
- ? Doi: 10.1109/8.585739
- ? Scopus ID: 2-s2.0-0031162258
- ? Issn: 0018926x
- ? Volume: 45
- ? Issue: 6
- ? Pages: 926-935
- ? Authors: Caorsi Salvatore; Pastorino Matteo; Raffetto Mirco
- ? Keywords: Electromagnetic scattering
- ? Quartile:
- 2025:
- ? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)
- ? Source Id: 17337
- ? Author Ids: 7102084534;7004880389;6701772951
- ? Authoraffiliationids: 60015197-60025153;60015197;60015197
- ? Corresponding: Caorsi S.
- 107.
- ? Title: Scattering by a conducting elliptic cylinder with a multilayer dielectric coating
- ? Venue: Radio Science
- ? Year: 1997
- ? Type: Journal
- ? Subtype: Article

? Citations: 11
? Doi: 10.1029/97rs02205
? Scopus ID: 2-s2.0-0031272871
? Issn: 00486604
? Volume: 32
? Issue: 6
? Pages: 2155-2166
? Authors: Caorsi Salvatore; Pastorino Matteo; Raffetto Mirco
? Quartile:
2025:
? Earth and Planetary Sciences (all) (Q2, rank 89, percentile 55)
? Electrical and Electronic Engineering (Q2, rank 483, percentile 51)
? Condensed Matter Physics (Q3, rank 278, percentile 37)
? Source Id: 28580
? Author Ids: 7102084534;7004880389;6701772951
? Authoraffiliationids: 60015197;60025153;60025153
? Corresponding: Caorsi S.

108.

? Title: Electromagnetic boundary value problem in the presence of a partly lossy dielectric: Considerations about the uniqueness of the solution
? Venue: IEEE Transactions on Microwave Theory and Techniques
? Year: 1996
? Type: Journal
? Subtype: Article
? Citations: 8
? Doi: 10.1109/22.536040
? Scopus ID: 2-s2.0-0030215920
? Issn: 00189480
? Volume: 44
? Issue: 8
? Pages: 1511-1513
? Authors: Caorsi S.; Raffetto M.
? Quartile:
2025:
? Radiation (Q1, rank 3, percentile 96)
? Condensed Matter Physics (Q1, rank 48, percentile 89)
? Electrical and Electronic Engineering (Q1, rank 120, percentile 88)
? Source Id: 17366
? Author Ids: 7102084534;6701772951
? Authoraffiliationids: 60025153;60025153
? Corresponding: Caorsi S.

109.

? Title: THE MOMENT/FINITE ELEMENT METHOD: POSSIBLE APPLICATIONS TO THE SOLUTION OF ELECTROMAGNETIC COMPATIBILITY PROBLEMS
? Venue: EMC 1996 Roma International Symposium on Electromagnetic Compatibility
? Year: 1996
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.23919/Emc.1996.10783877
? Scopus ID: 2-s2.0-85214885846
? Pages: 384-389
? Authors: Caorsi S.; Massa A.; Raffetto M.
? Source Id: 21101269356

? Author Ids: 7102084534;7005085831;6701772951
? Authoraffiliationids: 60015197;60025153;60025153
? Corresponding: Caorsi S.

110.

? Title: Human Exposure To Electromagnetic Fields Produced By Personal Mobile
Telephones
? Venue: EMC 1996 Roma International Symposium on Electromagnetic Compatibility
? Year: 1996
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.23919/Emc.1996.10783981
? Scopus ID: 2-s2.0-85153555523
? Pages: 188-193
? Authors: Caorsi S.; Gragnani G. L.; Massa A.; Pastorino M.; Raffetto M.
? Source Id: 21101269356
? Author Ids: 7102084534;6701681576;7005085831;7004880389;6701772951
? Authoraffiliationids: 60015197;60025153;60025153;60025153;60025153
? Corresponding: Caorsi S.

111.

? Title: Towards a good characterization of spectrally correct finite element methods
in electromagnetics
? Venue: COMPEL the International Journal for Computation and Mathematics in Electrical
and Electronic Engineering
? Year: 1996
? Type: Journal
? Subtype: Article
? Citations: 9
? Doi: 10.1108/03321649610154195
? Scopus ID: 2-s2.0-0030418504
? Issn: 03321649
? Volume: 15
? Issue: 4
? Pages: 21-34
? Authors: Caorsi S.; Fernandes P.; Raffetto M.
? Quartile:
2025:
? Applied Mathematics (Q2, rank 262, percentile 61)
? Computational Theory and Mathematics (Q2, rank 93, percentile 54)
? Electrical and Electronic Engineering (Q2, rank 486, percentile 51)
? Computer Science Applications (Q3, rank 541, percentile 44)
? Source Id: 28454
? Author Ids: 7102084534;7102795214;6701772951
? Authoraffiliationids: 60015197;60021199;60025153
? Corresponding: Caorsi S.

112.

? Title: Critical frequencies for solving electromagnetic scattering problems by the
moment/finite-element method
? Venue: Microwave and Optical Technology Letters
? Year: 1996
? Type: Journal
? Subtype: Article
? Citations: 9
? DOI: 10.1002/(sici)1098-2760(199603)11:4<222::aid-mop16>3.0.co;2-d

? Scopus ID: 2-s2.0-0030110087
? Issn: 08952477
? Volume: 11
? Issue: 4
? Pages: 222-228
? Authors: Caorsi S.; Massa A.; Raffetto M.
? Keywords: Electromagnetic scattering | Moment/finite-element method | Numerical methods | Resonances
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 542, percentile 45)
? Electronic, Optical and Magnetic Materials (Q3, rank 199, percentile 35)
? Atomic and Molecular Physics, and Optics (Q3, rank 156, percentile 34)
? Condensed Matter Physics (Q3, rank 296, percentile 33)
? Source Id: 12250
? Author Ids: 7102084534;7005085831;6701772951
? Authoraffiliationids: 60015197;60025153;60025153
? Corresponding: Caorsi S.

113.

? Title: On the effect of the spurious modes in deterministic problems
? Venue: COMPEL the International Journal for Computation and Mathematics in Electrical and Electronic Engineering
? Year: 1994
? Type: Journal
? Subtype: Article
? Citations: 6
? Scopus ID: 2-s2.0-0028430277
? Issn: 03321649
? Volume: 13
? Issue: Suppl A
? Pages: 317-322
? Authors: Caorsi S.; Fernandes P.; Raffetto M.
? Quartile:
2025:
? Applied Mathematics (Q2, rank 262, percentile 61)
? Computational Theory and Mathematics (Q2, rank 93, percentile 54)
? Electrical and Electronic Engineering (Q2, rank 486, percentile 51)
? Computer Science Applications (Q3, rank 541, percentile 44)
? Source Id: 28454
? Author Ids: 7102084534;7102795214;6701772951
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Caorsi S.

114.

? Title: Hybrid finite-element numerical approach to the solution of electromagnetic scattering problem
? Venue: COMPEL the International Journal for Computation and Mathematics in Electrical and Electronic Engineering
? Year: 1994
? Type: Journal
? Subtype: Article
? Citations: 1
? Scopus ID: 2-s2.0-0028427755
? Issn: 03321649
? Volume: 13

? Issue: Suppl A
? Pages: 371-376
? Authors: Caorsi S.; Massa A.; Raffetto M.
? Quartile:
2025:
? Applied Mathematics (Q2, rank 262, percentile 61)
? Computational Theory and Mathematics (Q2, rank 93, percentile 54)
? Electrical and Electronic Engineering (Q2, rank 486, percentile 51)
? Computer Science Applications (Q3, rank 541, percentile 44)
? Source Id: 28454
? Author Ids: 7102084534;7005085831;6701772951
? Authoraffiliationids: 60025153;60025153;60025153
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