

RANDAZZO ANDREA

Overview

? Unit: ICT
? Role: Professore ordinario
? Grade: Prof.Ordinario Legge 240/10 - t.pieno - classe 2
? SSD: IINF-02/A (Campi elettromagnetici)
? Scopus ID: 7006280562
? Unige Id: 700788
? Retrieved at: 2025-11-14T15:16:58.968914

Contact

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? Page: <https://rubrica.unige.it/personale/UkNHXFJh>
? Locations: Opera Pia - padiglione D (ED161450401), 3° piano, US161450401.III.005

Career

? Ru, 2012-05-01 ? 2014-12-28
? Pa, 2014-12-29 ? 2019-11-30
? Po, 2019-12-01 ? 2222-02-02

Teaching

2025

? Campi Elettromagnetici (80127), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Electromagnetic Monitoring Techniques (94664), Lm-26 - Engineering For Natural Risk Management
? Electromagnetic Sensing And Imaging (114765), Lm-29 - Electronic Engineering
? Antennas (90316), Lm-27 - Internet And Multimedia Engineering
? Antennas (90316), Lm-27 - Internet And Multimedia Engineering
? Electromagnetic Technologies And Compatibility (114759), Lm-29 - Electronic Engineering

2024

? Electromagnetic Sensing And Imaging (106823), Lm-29 - Ingegneria Elettronica
? Advanced Antenna Engineering (80853), Lm-29 - Ingegneria Elettronica
? Campi Elettromagnetici (80127), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Antennas (90316), Lm-27 - Internet And Multimedia Engineering
? Antennas (90316), Lm-27 - Internet And Multimedia Engineering
? Electromagnetic Techniques For Monitoring Structures And Protecting Systems (94664), Lm-26 - Engineering For Natural Risk Management
? Electromagnetic Technologies And Compatibility (114759), Lm-29 - Electronic Engineering

2023

? Advanced Electromagnetics Engineering (106769), Lm-29 - Ingegneria Elettronica
? Advanced Antenna Engineering (80853), Lm-29 - Ingegneria Elettronica
? Electromagnetic Sensing And Imaging (106823), Lm-29 - Ingegneria Elettronica
? Campi Elettromagnetici (80127), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione
? Antennas (90316), Lm-27 - Internet And Multimedia Engineering
? Electromagnetic Techniques For Monitoring Structures And Protecting Systems (94664), Lm-26 - Engineering For Natural Risk Management

2022

- ? Advanced Antenna Engineering (80853), Lm-29 - Ingegneria Elettronica
- ? Electromagnetic Sensing And Imaging (106823), Lm-29 - Ingegneria Elettronica
- ? Advanced Electromagnetics Engineering (106769), Lm-29 - Ingegneria Elettronica
- ? Antennas (90316), Lm-27 - Internet And Multimedia Engineering
- ? Electromagnetic Techniques For Monitoring Structures And Protecting Systems (94664), Lm-26 - Engineering For Natural Risk Management

2021

- ? Electromagnetic Sensing And Imaging (106823), Lm-29 - Ingegneria Elettronica
- ? Advanced Electromagnetics Engineering (106769), Lm-29 - Ingegneria Elettronica
- ? Antennas (90316), Lm-27 - Internet And Multimedia Engineering
- ? Electromagnetic Techniques For Monitoring Structures And Protecting Systems (94664), Lm-26 - Engineering For Natural Risk Management

2020

- ? I.E.S. And Elect. Waves Mod.A (66149), Lm-29 - Ingegneria Elettronica
- ? Antennas (90316), Lm-27 - Internet And Multimedia Engineering
- ? Electromagnetic Techniques For Monitoring Structures And Protecting Systems (94664), Lm-26 - Engineering For Natural Risk Management

Scopus Metrics

- ? absolute; Docs: 269; Journals: 104; Conferences: 157; Citations: 3002; H-index: 30
- ? 15 years (2010-2025); Docs: 214; Journals: 84; Conferences: 124; Citations: 1782; H-index: 24
- ? 10 years (2015-2025); Docs: 170; Journals: 64; Conferences: 101; Citations: 1264; H-index: 21
- ? 05 years (2020-2025); Docs: 101; Journals: 43; Conferences: 54; Citations: 622; H-index: 13

Scopus Products

1.

- ? Title: Stroke Detection and Monitoring by Means of a Multifrequency Microwave Inversion Approach
- ? Venue: Electronics Switzerland
- ? Year: 2025
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 1
- ? DOI: 10.3390/electronics14030543
- ? Scopus ID: 2-s2.0-85217642112
- ? eISSN: 20799292
- ? Volume: 14
- ? Issue: 3
- ? Authors: Fedeli Alessandro; Schenone Valentina; Estatico Claudio; Randazzo Andrea
- ? Keywords: inverse scattering | microwave imaging | multifrequency methods | stroke diagnostics
- ? Quartile:
 - 2025:
 - ? Signal Processing (Q1, rank 36, percentile 81)
 - ? Electrical and Electronic Engineering (Q1, rank 220, percentile 78)
 - ? Control and Systems Engineering (Q1, rank 91, percentile 76)
 - ? Computer Networks and Communications (Q1, rank 131, percentile 76)

- ? Hardware and Architecture (Q2, rank 62, percentile 73)
? Source Id: 21100829272
? Author Ids: 55512997500;57216360162;9739222400;7006280562
? Authoraffiliationids: 60025153-130272028;60025153;60025153;60025153-130272028
? Corresponding: Fedeli A.
- 2.
- ? Title: A Method to Include the Effects of Tortuosity in the Electromagnetic Field Expressions produced by Vertical Lightning Channels
? Venue: IEEE Transactions on Antennas and Propagation
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 1
? Doi: 10.1109/Tap.2025.3605025
? Scopus ID: 2-s2.0-105015729629
? Issn: 0018926x
? eISSN: 15582221
? Authors: Mestriner Daniele; Aramini Riccardo; Brignone Massimo; Nicora Martino; Procopio Renato; Randazzo Andrea
? Keywords: Electromagnetic fields | Lightning | Numerical models | Regularization
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)
? Source Id: 17337
? Author Ids: 57115575100;15759187700;8580886100;57210463204;7801615894;7006280562
? Corresponding: Mestriner D.
- 3.
- ? Title: Antenna Arrays Diagnosis Through Inverse-Based Approaches
? Venue: 2025 Ursi International Symposium on Electromagnetic Theory Emts 2025
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.46620/Ursiemts25/Lpzi8405
? Scopus ID: 2-s2.0-105013751148
? Authors: Costanzo Sandra; Di Massa Giuseppe; Fedeli Alessandro; Randazzo Andrea
? Source Id: 21101321955
? Author Ids: 14029886000;57201738411;55512997500;7006280562
? Authoraffiliationids: 60020261;60020261;60025153;60025153
? Corresponding: Costanzo S.
- 4.
- ? Title: Mild Data-Driven Inversion for Microwave Nondestructive Diagnostics of Plants and Trees
? Venue: Eucap 2025 19th European Conference on Antennas and Propagation
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.23919/EuCAP63536.2025.10999253
? Scopus ID: 2-s2.0-105007513543
? Authors: Fedeli Alessandro; Estatico Claudio; Randazzo Andrea
? Keywords: inverse problems | Microwave imaging | mild data-driven methods | plant diagnostics
? Source Id: 21101300336

? Author Ids: 55512997500;9739222400;7006280562
? Authoraffiliationids: 60025153-130090973;60025153;60025153
? Corresponding: Fedeli A.

5.

? Title: Inverse-Based Approaches for Fault Detection in Antenna Arrays
? Venue: Eucap 2025 19th European Conference on Antennas and Propagation
? Year: 2025
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.23919/EuCAP63536.2025.10999861
? Scopus ID: 2-s2.0-105007497735
? Authors: Costanzo Sandra; Di Massa Giuseppe; Fedeli Alessandro; Randazzo Andrea
? Keywords: Antenna arrays | fault detection | inverse problems
? Source Id: 21101300336
? Author Ids: 14029886000;57201738411;55512997500;7006280562
? Authoraffiliationids: 60020261;60020261;60025153;60025153
? Corresponding: Costanzo S.

6.

? Title: An Antenna Array Diagnosis Approach Based on CNN Inversion and CFAR Detection
? Venue: IEEE Transactions on Antennas and Propagation
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 1
? Doi: 10.1109/Tap.2025.3573617
? Scopus ID: 2-s2.0-105007418441
? Issn: 0018926x
? eISSN: 15582221
? Volume: 73
? Issue: 9
? Pages: 6252-6262
? Authors: Schenone Valentina; Fedeli Alessandro; Randazzo Andrea
? Keywords: Antenna arrays | antenna diagnostics | constant false alarm rate (CFAR) | convolutional neural network (CNN) | inverse source
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)
? Source Id: 17337
? Author Ids: 57216360162;55512997500;7006280562
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Schenone V.

7.

? Title: Reconstruction of the Lightning Return-Stroke Current from the Radiated Magnetic Field
? Venue: IEEE Transactions on Antennas and Propagation
? Year: 2025
? Type: Journal
? Subtype: Article
? Citations: 0
? Doi: 10.1109/Tap.2025.3536797
? Scopus ID: 2-s2.0-105002681872
? Issn: 0018926x
? eISSN: 15582221

? Volume: 73
? Issue: 4
? Pages: 2521-2532
? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Procopio Renato; Randazzo Andrea; Rubinstein Marcos
? Keywords: Electromagnetic propagation | inverse problems | lightning current
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)
? Source Id: 17337
? Author Ids: 15759187700;8580886100;57115575100;7801615894;7006280562;7201682529
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;128065441
? Corresponding: Aramini R.

8.

? Title: Quantitative Inversion of Multiantenna Ground-Penetrating Radar Data with Modeling Error Correction Based on Long Short-Term Memory Cells
? Venue: Remote Sensing
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 2
? DOI: 10.3390/rs16122050
? Scopus ID: 2-s2.0-85197237391
? eISSN: 20724292
? Volume: 16
? Issue: 12
? Authors: Fedeli Alessandro; Schenone Valentina; Randazzo Andrea
? Keywords: ground penetrating radar | inverse scattering | long short-term memory | quantitative imaging
? Quartile:
2025:
? Earth and Planetary Sciences (all) (Q1, rank 12, percentile 94)
2024:
? Earth and Planetary Sciences (all) (Q1, rank 13, percentile 93)
? Source Id: 86430
? Author Ids: 55512997500;57216360162;7006280562
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Fedeli A.

9.

? Title: Application of a mild data-driven technique to Lippmann-Schwinger inverse scattering in variable-exponent Lebesgue spaces for microwave imaging
? Venue: Inverse Problems
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 9
? DOI: 10.1088/1361-6420/ad3ea9
? Scopus ID: 2-s2.0-85192190447
? Issn: 02665611
? eISSN: 13616420
? Volume: 40
? Issue: 6
? Authors: Estatico Claudio; Schenone Valentina; Fedeli Alessandro; Randazzo Andrea
? Keywords: Banach-spaces | data-driven regularization | inverse scattering | microwave

imaging | variable-exponent Lebesgue spaces

? Quartile:

2025:

? Mathematical Physics (Q1, rank 21, percentile 77)

? Applied Mathematics (Q2, rank 200, percentile 70)

? Theoretical Computer Science (Q2, rank 58, percentile 57)

? Signal Processing (Q2, rank 83, percentile 57)

? Computer Science Applications (Q3, rank 495, percentile 49)

2024:

? Mathematical Physics (Q1, rank 22, percentile 75)

? Applied Mathematics (Q2, rank 203, percentile 69)

? Signal Processing (Q2, rank 77, percentile 58)

? Theoretical Computer Science (Q2, rank 60, percentile 56)

? Computer Science Applications (Q3, rank 478, percentile 49)

? Source Id: 28497

? Author Ids: 9739222400;57216360162;55512997500;7006280562

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Estatico C.

10.

? Title: Improved Chebyshev Spectral Method Modeling for Vector Radiative Transfer in Atmospheric Propagation

? Venue: IEEE Transactions on Antennas and Propagation

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 2

? Doi: 10.1109/Tap.2024.3378831

? Scopus ID: 2-s2.0-85189176394

? Issn: 0018926x

? eISSN: 15582221

? Volume: 72

? Issue: 5

? Pages: 4465-4476

? Authors: Tavanti Emanuele; Caviglia Daniele D.; Randazzo Andrea

? Keywords: Atmospheric propagation | electromagnetic scattering | multiple scattering | random media | vector radiative transfer (VRT)

? Quartile:

2025:

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

2024:

? Electrical and Electronic Engineering (Q1, rank 81, percentile 91)

? Source Id: 17337

? Author Ids: 57038817000;7004012654;7006280562

? Authoraffiliationids: 60025153-60028868;60025153;60025153

? Corresponding: Tavanti E.

11.

? Title: On the Edge Recurrent Neural Network Approach for Ground Moving FMCW Radar Target Classification

? Venue: IEEE Transactions on Consumer Electronics

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 6

? Doi: 10.1109/Tce.2023.3343460

? Scopus ID: 2-s2.0-85180329478
? Issn: 00983063
? eISSN: 15584127
? Volume: 70
? Issue: 1
? Pages: 522-534
? Authors: Gianoglio Christian; Rizik Ali; Tavanti Emanuele; Caviglia Daniele D.;
Randazzo Andrea
? Keywords: and target classification | Deep neural networks | radar | recurrent neural
networks
? Quartile:
2025:
? Media Technology (Q1, rank 9, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 157, percentile 84)
2024:
? Media Technology (Q1, rank 16, percentile 77)
? Electrical and Electronic Engineering (Q2, rank 256, percentile 73)
? Source Id: 26048
? Author Ids: 56580140000;57214804817;57038817000;7004012654;7006280562
? Authoraffiliationids: 60025153;60012162;60028868;60025153;60025153
? Corresponding: Gianoglio C.

12.

? Title: Noncontact Measurement of Sea Wave Dynamics and Velocity Estimation with a
Low-Cost FMCW Radar Sensor
? Venue: 2024 7th International Conference on Signal Processing and Information
Security Icspis 2024
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Icspis63676.2024.10812610
? Scopus ID: 2-s2.0-85216637589
? Authors: Chawraba Assil; Randazzo Andrea; Caviglia Daniele D.
? Keywords: 2D FFT range-Doppler map | FMCW radar | normalized power spectrum | sea
wave characterization | time-domain IQ signal | water flow velocity
? Source Id: 21101272180
? Author Ids: 58864725300;7006280562;59314853700
? Authoraffiliationids: 60025153-60068774;60025153;60025153
? Corresponding: Chawraba A.

13.

? Title: Microwave Characterization of Brain Stroke Through a Mild Data-Driven
Inversion Strategy
? Venue: 2024 IEEE 10th World Forum on Internet of Things Wf IoT 2024
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.1109/WF-IoT62078.2024.10811330
? Scopus ID: 2-s2.0-85216563497
? Pages: 725-729
? Authors: Fedeli Alessandro; Schenone Valentina; Estatico Claudio; Randazzo Andrea
? Keywords: brain stroke imaging | inverse scattering | Microwave characterization |
mild-data driven approach
? Source Id: 21101272024

? Author Ids: 55512997500;57216360162;9739222400;7006280562

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Fedeli A.

14.

? Title: A Novel Lebesgue-Space Inversion Approach for Microwave Stroke Imaging

? Venue: 2024 IEEE International Conference on Metrology for Extended Reality

Artificial Intelligence and Neural Engineering Metroxraine 2024 Proceedings

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? DOI: 10.1109/MetroXRAINE62247.2024.10796016

? Scopus ID: 2-s2.0-85216088017

? Pages: 107-112

? Authors: Schenone Valentina; Fedeli Alessandro; Estatico Claudio; Sciarrone Andrea;

Bisio Igor; Lavagetto Fabio; Randazzo Andrea

? Keywords: inverse scattering | Microwave imaging | mild-data driven approach | stroke imaging

? Source Id: 21101271412

? Author Ids:

57216360162;55512997500;9739222400;36180166900;8546192900;7004136693;7006280562

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

? Corresponding: Schenone V.

15.

? Title: Hydrological Sensing via FMCW Radar Technology of Sea Waves

? Venue: 2024 16th International Symposium on Electronics and Telecommunications Isetc

2024 Conference Proceedings

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Isetc63109.2024.10797262

? Scopus ID: 2-s2.0-85216025106

? Authors: Chawraba Assil; Randazzo Andrea; Ghaith Alaa; Cavigila Daniele D.

? Keywords: 2D FFT range-Doppler map | FMCW radar | sea wave characterization | water flow velocity

? Source Id: 21101270674

? Author Ids: 58864725300;7006280562;57212345855;59314853700

? Authoraffiliationids: 60025153-60068774;60025153;60068774;60025153

? Corresponding: Chawraba A.

16.

? Title: Characterizing Coastal Wave Energy Dynamics Using Enhanced FMCW Radar Signal Processing Techniques

? Venue: 2024 16th International Symposium on Electronics and Telecommunications Isetc

2024 Conference Proceedings

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Isetc63109.2024.10797404

? Scopus ID: 2-s2.0-85216017673

? Authors: Chawraba Assil; Randazzo Andrea; Cavigila Daniele D.

? Keywords: Fast Fourier Transform (FFT) | FMCW Radar | Non-contact measurement | Normalized power spectrum | Signal processing

? Source Id: 21101270674
? Author Ids: 58864725300;7006280562;59314853700
? Authoraffiliationids: 60025153-60068774;60025153;60025153
? Corresponding: Chawraba A.

17.

? Title: Frequency-domain Expressions of the Time-Windowed Electric Fields Radiated by a Lightning Flash
? Venue: Iclp 2024 37th International Conference on Lightning Protection
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-85215686103
? Pages: 708-713
? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Procopio Renato; Randazzo Andrea; Rubinstein Marcos
? Source Id: 21101270624
? Author Ids: 15759187700;8580886100;57115575100;7801615894;7006280562;7201682529
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;127343000
? Corresponding: Aramini R.

18.

? Title: Sensitivity Analysis on the Reconstruction of the Attenuation Function for Short Time-Windows Measurements
? Venue: Iclp 2024 37th International Conference on Lightning Protection
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-85215675068
? Pages: 688-693
? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Procopio Renato; Randazzo Andrea; Rubinstein Marcos
? Source Id: 21101270624
? Author Ids: 15759187700;8580886100;57115575100;7801615894;7006280562;7201682529
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;127343000
? Corresponding: Aramini R.

19.

? Title: Numerical Assessment of a Microwave Imaging Technique for Pediatric Stroke Diagnostics
? Venue: Proceedings of the International Conference on Electromagnetics in Advanced Applications Iceaa
? Year: 2024
? Type: Journal
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Iceaa61917.2024.10701636
? Scopus ID: 2-s2.0-85208714502
? Issn: 28351355
? eISSN: 27662284
? Issue: 2024
? Pages: 596
? Authors: Schenone Valentina; Fedeli Alessandro; Parodi Costanza; Bisio Igor; Sciarrone Andrea; Rossi Andrea; Lavagetto Fabio; Randazzo Andrea
? Quartile:

2025:

? Instrumentation (Q4, rank 164, percentile 13)

? Radiation (Q4, rank 66, percentile 10)

? Computer Networks and Communications (Q4, rank 492, percentile 10)

? Electrical and Electronic Engineering (Q4, rank 908, percentile 9)

2024:

? Instrumentation (Q4, rank 166, percentile 4)

? Computer Networks and Communications (Q4, rank 487, percentile 4)

? Electrical and Electronic Engineering (Q4, rank 933, percentile 3)

? Radiation (Q4, rank 65, percentile 3)

? Source Id: 21101257984

? Author Ids: 57216360162;55512997500;57566447600;8546192900;36180166900;7403475016;7004136693;7006280562

? Authoraffiliationids:

60025153;60025153;60016041;60025153;60025153;60016041;60025153;60025153

? Corresponding: Schenone V.

20.

? Title: Microwave Imaging of Partially Known Targets Through a Mild Data-Driven Approach

? Venue: Proceedings of the International Conference on Electromagnetics in Advanced Applications Iceaa

? Year: 2024

? Type: Journal

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Iceaa61917.2024.10701876

? Scopus ID: 2-s2.0-85208700154

? Issn: 28351355

? eISSN: 27662284

? Issue: 2024

? Pages: 421

? Authors: Schenone Valentina; Fedeli Alessandro; Estatico Claudio; Randazzo A.

? Quartile:

2025:

? Instrumentation (Q4, rank 164, percentile 13)

? Radiation (Q4, rank 66, percentile 10)

? Computer Networks and Communications (Q4, rank 492, percentile 10)

? Electrical and Electronic Engineering (Q4, rank 908, percentile 9)

2024:

? Instrumentation (Q4, rank 166, percentile 4)

? Computer Networks and Communications (Q4, rank 487, percentile 4)

? Electrical and Electronic Engineering (Q4, rank 933, percentile 3)

? Radiation (Q4, rank 65, percentile 3)

? Source Id: 21101257984

? Author Ids: 57216360162;55512997500;9739222400;7006280562

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Schenone V.

21.

? Title: Near-Shore Sea-Wave Monitoring Using FMCW Radar

? Venue: 25th International Microwave and Radar Conference MIKON 2024

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.23919/Mikon60251.2024.10633958
? Scopus ID: 2-s2.0-85203201062
? Pages: 349-352
? Authors: Chawraba Assil; Randazzo Andrea; Chebli Hussein; Cavigila Daniele D.
? Keywords: FMCW Radar | Range-Doppler processing | Sea waves
? Source Id: 21101246445
? Author Ids: 58864725300;7006280562;58221791700;59314853700
? Authoraffiliationids: 60025153-60068774;60025153;60068774;60025153
? Corresponding: Chawraba A.

22.

? Title: RNN-Based Multistatic Scattered-Field Processing for the Solution of Electromagnetic Imaging Problems in Multilayer Environments
? Venue: 2024 4th Ursi Atlantic Radio Science Meeting at Rasc 2024
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.46620/Ursiatrasc24/Ptvl2537
? Scopus ID: 2-s2.0-85199803088
? Authors: Fedeli Alessandro; Schenone Valentina; Randazzo Andrea
? Source Id: 21101239186
? Author Ids: 55512997500;57216360162;7006280562
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Fedeli A.

23.

? Title: A Microwave Imaging Reconstruction Technique with Mild-Data-Driven Regularization in Variable-Exponent Lebesgue Spaces
? Venue: 2024 4th Ursi Atlantic Radio Science Meeting at Rasc 2024
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.46620/Ursiatrasc24/Vhip2784
? Scopus ID: 2-s2.0-85199792142
? Authors: Schenone Valentina; Estatico Claudio; Fedeli Alessandro; Randazzo Andrea
? Source Id: 21101239186
? Author Ids: 57216360162;9739222400;55512997500;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Schenone V.

24.

? Title: Preliminary Design and Test of a Microwave Inline Moisture Sensor for the Carasau Bread Industry
? Venue: IEEE Open Journal of Antennas and Propagation
? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 3
? Doi: 10.1109/Ojap.2024.3431092
? Scopus ID: 2-s2.0-85199096390
? eISSN: 26376431
? Volume: 5
? Issue: 5
? Pages: 1166-1180
? Authors: Muntoni Giacomo; Lodi Matteo B.; Fedeli Alessandro; Melis Andrea; Maccio

Claudia; Pastorino Matteo; Randazzo Andrea; Mazzarella Giuseppe; Fanti Alessandro
? Keywords: Carasau bread | Dielectric properties | food engineering | moisture sensor
| patch antenna
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 199, percentile 80)
2024:
? Electrical and Electronic Engineering (Q1, rank 166, percentile 82)
? Source Id: 21101059745
? Author Ids: 56964448000;57211403950;55512997500;41262209800;57705618900;7004880389;7006280562;7006097620;36664325500
? Authoraffiliationids:
60032259;60032259;60025153;60032259;60032259;60025153;60025153;60032259;60032259
? Corresponding: Muntoni G.

25.

? Title: Nonlinear and Hybrid Inversion Techniques for Ground Penetrating Radar Imaging
? Venue: Ground Penetrating Radar from Theoretical Endeavors to Computational Electromagnetics Signal Processing Antenna Design and Field Applications
? Year: 2024
? Type: Book
? Subtype: Book Chapter
? Citations: 0
? DOI: 10.1002/9781394284405.ch2
? Scopus ID: 2-s2.0-85194527334
? Pages: 35-58
? Authors: Schenone Valentina; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
? Source Id: 21101225618
? Author Ids: 57216360162;55512997500;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Schenone V.

26.

? Title: Brain Stroke Microwave Diagnostics in Children Through a Nonlinear Inverse-Scattering Technique
? Venue: 18th European Conference on Antennas and Propagation Eucap 2024
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.23919/EuCAP60739.2024.10501405
? Scopus ID: 2-s2.0-85192499934
? Authors: Schenone Valentina; Fedeli Alessandro; Parodi Costanza; Bisio Igor; Sciarrone Andrea; Rossi Andrea; Lavagetto Fabio; Randazzo Andrea
? Keywords: inverse scattering | Lebesgue spaces | microwave imaging | Paediatric stroke
? Source Id: 21101220747
? Author Ids: 57216360162;55512997500;57566447600;8546192900;36180166900;7403475016;7004136693;7006280562
? Authoraffiliationids:
60025153;60025153;60016041;60025153;60025153;60016041;60025153;60025153
? Corresponding: Schenone V.

27.

? Title: A Mild Data-Driven Approach Based on a Lebesgue-Space Inversion Procedure for Microwave Imaging Applications
? Venue: 18th European Conference on Antennas and Propagation Eucap 2024

? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.23919/EuCAP60739.2024.10501560
? Scopus ID: 2-s2.0-85192488776
? Authors: Estatico Claudio; Schenone Valentina; Fedeli Alessandro; Randazzo Andrea
? Keywords: data-driven inversion | inverse problems | Microwave imaging | variable-exponent Lebesgue spaces
? Source Id: 21101220747
? Author Ids: 9739222400;57216360162;55512997500;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Estatico C.

28.

? Title: Real-Time Sea Monitoring Using FMCW Radar
? Venue: Lecture Notes in Electrical Engineering
? Year: 2024
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/978-3-031-48121-5_67
? Scopus ID: 2-s2.0-85184116963
? Issn: 18761100
? eISSN: 18761119
? Volume: 1110 Lnee
? Pages: 468-473
? Authors: Chawraba Assil; Rizik Ali; Randazzo Andrea; Caviglia Daniele
? Keywords: 2D FFT | Doppler features | Feature extraction | FMCW radar | Range-Doppler processing | Sea monitoring
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
2024:
? Industrial and Manufacturing Engineering (Q4, rank 308, percentile 23)
? Source Id: 19700186822
? Author Ids: 58864725300;57214804817;7006280562;7004012654
? Authoraffiliationids: 60025153-60068774;60012162;60025153;60025153
? Corresponding: Chawraba A.

29.

? Title: A Combined Iterative Data-Driven Inversion Strategy for Microwave Imaging
? Venue: IEEE Conference on Antenna Measurements and Applications Cama
? Year: 2024
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Cama62287.2024.10986182
? Scopus ID: 2-s2.0-105005831050
? Issn: 24741760
? eISSN: 26436795
? Authors: Schenone Valentina; Fedeli Alessandro; Estatico Claudio; Randazzo Andrea
? Keywords: data-driven techniques | iterative methods | microwave imaging
? Quartile:
2025:
? Radiation (Q3, rank 53, percentile 28)

? Instrumentation (Q3, rank 140, percentile 25)
? Computer Networks and Communications (Q4, rank 432, percentile 21)

2024:

? Radiation (Q4, rank 53, percentile 21)
? Instrumentation (Q4, rank 141, percentile 19)
? Computer Networks and Communications (Q4, rank 430, percentile 15)

? Source Id: 21101136249

? Author Ids: 57216360162;55512997500;9739222400;7006280562

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Schenone V.

30.

? Title: Feasibility Analysis of Theranostic Magnetic Scaffolds for Microwave Monitoring of Hyperthermia Treatment of Bone Tumors

? Venue: IEEE Journal of Electromagnetics RF and Microwaves in Medicine and Biology

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 11

? Doi: 10.1109/Jerm.2023.3288741

? Scopus ID: 2-s2.0-85164408866

? eISSN: 24697249

? Volume: 7

? Issue: 4

? Pages: 344-353

? Authors: Lodi Matteo Bruno; Curreli Nicola; Dachena Chiara; Fedeli Alessandro; Scapaticci Rosa; Randazzo Andrea; Pastorino Matteo; Fanti Alessandro

? Keywords: Electromagnetic waves propagation | hyperthermia | magnetic biomaterials | microwave imaging | theranostic

? Quartile:

2025:

? Radiation (Q1, rank 4, percentile 95)
? Radiology, Nuclear Medicine and Imaging (Q1, rank 26, percentile 92)
? Instrumentation (Q1, rank 22, percentile 88)

2023:

? Radiation (Q1, rank 8, percentile 87)
? Radiology, Nuclear Medicine and Imaging (Q1, rank 63, percentile 81)
? Instrumentation (Q1, rank 33, percentile 76)

? Source Id: 21100902029

? Author Ids: 57211403950;56487698400;57206901870;55512997500;55223916300;7006280562;7004880389;36664325500

? Authoraffiliationids: 60032259-126431541;60102151;126431541-60025153;126431541-60025153;60001111;126431541-60025153;126431541-60025153;60032259-126431541

? Corresponding: Lodi M.B.

31.

? Title: Computation of the attenuation function of the lightning return-stroke current from electromagnetic fields measured in a short-duration time-window ? Part II: Numerical implementation

? Venue: Electric Power Systems Research

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 2

? DOI: 10.1016/j.epsr.2023.109410

? Scopus ID: 2-s2.0-85153090880

? Issn: 03787796
? Volume: 221
? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Pastorino Matteo; Procopio Renato; Rachidi Farhad; Randazzo Andrea; Rubinstein Marcos
? Keywords: Electromagnetic fields | Inverse problems | Lightning
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 126, percentile 87)
? Energy Engineering and Power Technology (Q1, rank 60, percentile 81)
2023:
? Electrical and Electronic Engineering (Q1, rank 158, percentile 80)
? Energy Engineering and Power Technology (Q1, rank 61, percentile 77)
? Source Id: 16044
? Author Ids: 15759187700;8580886100;57115575100;7004880389;7801615894;7003719604;7006280562;7201682529
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60025153;60028186;60025153;128065441
? Corresponding: Aramini R.

32.
? Title: Computation of the attenuation function of the lightning return-stroke current from electromagnetic fields measured in a short-duration time-window, Part I: Theoretical investigation
? Venue: Electric Power Systems Research
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 3
? DOI: 10.1016/j.epsr.2023.109392
? Scopus ID: 2-s2.0-85152236005
? Issn: 03787796
? Volume: 221
? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Pastorino Matteo; Procopio Renato; Rachidi Farhad; Randazzo Andrea; Rubinstein Marcos
? Keywords: Electromagnetic fields | Inverse problems | Lightning
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 126, percentile 87)
? Energy Engineering and Power Technology (Q1, rank 60, percentile 81)
2023:
? Electrical and Electronic Engineering (Q1, rank 158, percentile 80)
? Energy Engineering and Power Technology (Q1, rank 61, percentile 77)
? Source Id: 16044
? Author Ids: 15759187700;8580886100;57115575100;7004880389;7801615894;7003719604;7006280562;7201682529
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60025153;60028186;60025153;128065441
? Corresponding: Aramini R.

33.
? Title: In-situ microwave tomography for parts? cooldown monitoring in powder bed fusion of polymers
? Venue: Additive Manufacturing
? Year: 2023
? Type: Journal
? Subtype: Article

? Citations: 1
? DOI: 10.1016/j.addma.2023.103433
? Scopus ID: 2-s2.0-85148023824
? eISSN: 22148604
? Volume: 65
? Authors: Sillani Francesco; Poretti Samuel; Pagani Tommaso; Hajdaj Fatlind; Schmid Manfred; Randazzo Andrea; Pastorino Matteo; Wegener Konrad
? Keywords: Cooldown history | Crystallization | Microwave tomography | Selective laser sintering | Temperature monitoring
? Quartile:
2025:
? Engineering (miscellaneous) (Q1, rank 7, percentile 97)
? Biomedical Engineering (Q1, rank 11, percentile 96)
? Industrial and Manufacturing Engineering (Q1, rank 15, percentile 96)
? Materials Science (all) (Q1, rank 22, percentile 95)
2023:
? Engineering (miscellaneous) (Q1, rank 5, percentile 97)
? Industrial and Manufacturing Engineering (Q1, rank 11, percentile 97)
? Biomedical Engineering (Q1, rank 11, percentile 96)
? Materials Science (all) (Q1, rank 19, percentile 96)
? Source Id: 21100349533
? Author Ids: 57203820430;25927504500;58102772000;58102135300;56242779100;7006280562;7004880389;16246992400
? Authoraffiliationids:
60074317-60025858;129182337;129182337;129182337;60074317;60025153;60025153;60025858
? Corresponding: Sillani F.

34.

? Title: A Multifrequency Inverse-Scattering Technique for Brain Stroke Microwave Diagnostics
? Venue: 2023 IEEE International Conference on Metrology for Extended Reality Artificial Intelligence and Neural Engineering Metroxraine 2023 Proceedings
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.1109/MetroXRINE58569.2023.10405642
? Scopus ID: 2-s2.0-85185819357
? Pages: 502-506
? Authors: Fedeli Alessandro; Maheswaran Maurica; Schenone Valentina; Sciarrone Andrea; Bisio Igor; Lavagetto Fabio; Pastorino Matteo; Randazzo Andrea; Estatico Claudio
? Keywords: Brain stroke | inverse scattering | microwave imaging
? Source Id: 21101202153
? Author Ids: 55512997500;58902474300;57216360162;36180166900;8546192900;7004136693;7004880389;7006280562;9739222400
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Fedeli A.

35.

? Title: Evaluation of the Return-Stroke Current Attenuation Function from the Vertical Electric Field by Means of the Regularization of an Inverse Problem
? Venue: 17th International Symposium on Lightning Protection Sipda 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 0
? Doi: 10.1109/Sipda59763.2023.10349194
? Scopus ID: 2-s2.0-85182395942
? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Pastorino Matteo; Procopio Renato; Randazzo Andrea; Rubinstein Marcos
? Keywords: attenuation function | electromagnetic fields | inverse problems | Lightning | reconstruction
? Source Id: 21101196397
? Author Ids:
15759187700;8580886100;57115575100;7004880389;7801615894;7006280562;7201682529
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;128065441
? Corresponding: Aramini R.

36.

? Title: Welcome to 2023 IEEE CAMA
? Venue: IEEE Conference on Antenna Measurements and Applications Cama
? Year: 2023
? Type: Conference Proceeding
? Subtype: Editorial
? Citations: 0
? Doi: 10.1109/Cama57522.2023.10352701
? Scopus ID: 2-s2.0-85182319050
? Issn: 24741760
? eISSN: 26436795
? Pages: 1
? Authors: Pichot Christian; Pastorino Matteo; Randazzo Andrea
? Quartile:
2025:
? Radiation (Q3, rank 53, percentile 28)
? Instrumentation (Q3, rank 140, percentile 25)
? Computer Networks and Communications (Q4, rank 432, percentile 21)
? Source Id: 21101136249
? Author Ids: 7101858631;7004880389;7006280562
? Authoraffiliationids: 60008134;60025153;60025153
? Corresponding: Pichot C.

37.

? Title: Microwave Imaging for the Diagnosis of Stroke in Pediatric Patients: An Initial Study
? Venue: IEEE Conference on Antenna Measurements and Applications Cama
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Cama57522.2023.10352828
? Scopus ID: 2-s2.0-85182283448
? Issn: 24741760
? eISSN: 26436795
? Pages: 126-129
? Authors: Schenone Valentina; Fedeli Alessandro; Parodi Costanza; Bisio Igor; Sciarrone Andrea; Rossi Andrea; Lavagetto Fabio; Randazzo Andrea
? Keywords: inverse scattering | microwave imaging | pediatric stroke
? Quartile:
2025:
? Radiation (Q3, rank 53, percentile 28)
? Instrumentation (Q3, rank 140, percentile 25)

? Computer Networks and Communications (Q4, rank 432, percentile 21)
? Source Id: 21101136249
? Author Ids: 57216360162;55512997500;57566447600;8546192900;36180166900;7403475016;7004136693;7006280562
? Authoraffiliationids:
60025153;60025153;60016041;60025153;60025153;60016041;60025153;60025153
? Corresponding: Schenone V.

38.

? Title: Improved Time-Frequency Filtering to Decode Frequency-Coded Cross-Polarized Chipless RFID Tags
? Venue: IEEE Conference on Antenna Measurements and Applications Cama
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Cama57522.2023.10352838
? Scopus ID: 2-s2.0-85182280889
? Issn: 24741760
? eISSN: 26436795
? Pages: 935-938
? Authors: Tavanti Emanuele; Randazzo Andrea; Costa Filippo; Genovesi Simone; Manara Giuliano
? Keywords: Chipless radio frequency identification (RFID) | high-impedance surface (HIS) | Time-frequency transforms
? Quartile:
2025:
? Radiation (Q3, rank 53, percentile 28)
? Instrumentation (Q3, rank 140, percentile 25)
? Computer Networks and Communications (Q4, rank 432, percentile 21)
? Source Id: 21101136249
? Author Ids: 57038817000;7006280562;24482938300;35193749000;7006025870
? Authoraffiliationids: 60028868;60025153;60028868;60028868;60028868
? Corresponding: Tavanti E.

39.

? Title: An Equivalent Attenuation Function for the Computation of the Lightning Field Radiated by a Tortuous Channel
? Venue: IEEE Conference on Antenna Measurements and Applications Cama
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Cama57522.2023.10352872
? Scopus ID: 2-s2.0-85182276702
? Issn: 24741760
? eISSN: 26436795
? Pages: 956-961
? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Petrarca Carlo; Procopio Renato; Randazzo Andrea; Rubinstein Marcos
? Keywords: lightning | regularization | tortuosity
? Quartile:
2025:
? Radiation (Q3, rank 53, percentile 28)
? Instrumentation (Q3, rank 140, percentile 25)
? Computer Networks and Communications (Q4, rank 432, percentile 21)

? Source Id: 21101136249
? Author Ids:
15759187700;8580886100;57115575100;7004208484;7801615894;7006280562;7201682529
? Authoraffiliationids:
60025153;60025153;60025153;114851910;60025153;60025153;130704963
? Corresponding: Aramini R.

40.

? Title: Chebyshev Spectral Solver for Vector Radiative Transfer in the Atmosphere
? Venue: IEEE Conference on Antenna Measurements and Applications Cama
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Cama57522.2023.10352746
? Scopus ID: 2-s2.0-85182266909
? Issn: 24741760
? eISSN: 26436795
? Pages: 1031-1034
? Authors: Tavanti Emanuele; Caviglia Daniele D.; Randazzo Andrea
? Keywords: atmospheric propagation | electromagnetic scattering | Radiative transfer
? Quartile:
2025:
? Radiation (Q3, rank 53, percentile 28)
? Instrumentation (Q3, rank 140, percentile 25)
? Computer Networks and Communications (Q4, rank 432, percentile 21)
? Source Id: 21101136249
? Author Ids: 57038817000;7004012654;7006280562
? Authoraffiliationids: 60028868;60025153;60025153
? Corresponding: Tavanti E.

41.

? Title: Diagnosis of Defective Elements in Steerable Antenna Arrays by Means of a Non-Standard Regularization Approach
? Venue: IEEE Conference on Antenna Measurements and Applications Cama
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Cama57522.2023.10352887
? Scopus ID: 2-s2.0-85182259294
? Issn: 24741760
? eISSN: 26436795
? Pages: 217-220
? Authors: Schenone Valentina; Fedeli Alessandro; Estatico Claudio; Randazzo Andrea
? Keywords: Antenna arrays | antenna diagnostics | inverse problems
? Quartile:
2025:
? Radiation (Q3, rank 53, percentile 28)
? Instrumentation (Q3, rank 140, percentile 25)
? Computer Networks and Communications (Q4, rank 432, percentile 21)
? Source Id: 21101136249
? Author Ids: 57216360162;55512997500;9739222400;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Schenone V.

42.

? Title: Reconstruction of the lightning channel-base current from remote measurements of electric and magnetic field by means of regularization techniques
? Venue: 2023 International Conference on Electromagnetics in Advanced Applications Iceaa 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Iceaa57318.2023.10297752
? Scopus ID: 2-s2.0-85178193042
? Pages: 187
? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Pastorino Matteo; Procopio Renato; Randazzo Andrea; Rubinstein Marcos
? Source Id: 21101188848
? Author Ids:
15759187700;8580886100;57115575100;7004880389;7801615894;7006280562;7201682529
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;128065441
? Corresponding: Aramini R.

43.

? Title: Identification of Defective Elements in Antenna Arrays Through an Inverse Approach
? Venue: 17th European Conference on Antennas and Propagation Eucap 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.23919/EuCAP57121.2023.10133355
? Scopus ID: 2-s2.0-85162266635
? Authors: Schenone Valentina; Fedeli Alessandro; Estatico Claudio; Pastorino Matteo; Randazzo Andrea
? Keywords: Antenna arrays | inverse problems | Lebesgue spaces
? Source Id: 21101158924
? Author Ids: 57216360162;55512997500;9739222400;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Schenone V.

44.

? Title: A Multifrequency Electromagnetic Imaging Approach for the Detection of Brain Injuries
? Venue: 17th European Conference on Antennas and Propagation Eucap 2023
? Year: 2023
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? DOI: 10.23919/EuCAP57121.2023.10133540
? Scopus ID: 2-s2.0-85162242667
? Authors: Schenone Valentina; Fedeli Alessandro; Estatico Claudio; Bisio Igor; Lavagetto Fabio; Sciarrone Andrea; Pastorino Matteo; Randazzo Andrea
? Keywords: Brain stroke | electromagnetic imaging | inverse problems | multifrequency methods
? Source Id: 21101158924
? Author Ids: 57216360162;55512997500;9739222400;8546192900;7004136693;36180166900;7004880389;7006280562
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153

? Corresponding: Schenone V.

45.

? Title: Microwave Medical Imaging of the Human Neck using a Neural-Networks-Based Inversion Procedure: A Phantom Study

? Venue: 17th European Conference on Antennas and Propagation EuCAP 2023

? Year: 2023

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? DOI: 10.23919/EuCAP57121.2023.10133743

? Scopus ID: 2-s2.0-85162232603

? Authors: Dachena Chiara; Fedeli Alessandro; Fanti Alessandro; Lodi Matteo B.; Fumera Giorgio; Pastorino Matteo; Randazzo Andrea

? Keywords: inverse scattering | machine learning | Microwave imaging | neck diseases

? Source Id: 21101158924

? Author Ids:

57206901870;55512997500;36664325500;57211403950;6602513262;7004880389;7006280562

? Authoraffiliationids: 60025153;60025153;60032259;60032259;60032259;60025153;60025153

? Corresponding: Dachena C.

46.

? Title: Assessment of a non-Hilbertian Inverse Scattering Approach for Electromagnetic Tomography in Subsurface Environments

? Venue: 17th European Conference on Antennas and Propagation EuCAP 2023

? Year: 2023

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? DOI: 10.23919/EuCAP57121.2023.10133256

? Scopus ID: 2-s2.0-85162190228

? Authors: Schenone Valentina; Fedeli Alessandro; Estatico Claudio; Pastorino Matteo; Randazzo Andrea

? Keywords: Finite-element method | inverse scattering problems | Lebesgue spaces | subsurface imaging

? Source Id: 21101158924

? Author Ids: 57216360162;55512997500;9739222400;7004880389;7006280562

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

? Corresponding: Schenone V.

47.

? Title: Microwave-Based Subsurface Characterization through a Combined Finite Element and Variable Exponent Spaces Technique

? Venue: Sensors

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 10

? DOI: 10.3390/s23010167

? Scopus ID: 2-s2.0-85145874372

? Issn: 14248220

? Volume: 23

? Issue: 1

? Authors: Schenone Valentina; Estatico Claudio; Gragnani Gian Luigi; Pastorino Matteo; Randazzo Andrea; Fedeli Alessandro

? Keywords: finite element | inverse scattering | Lebesgue spaces | subsurface imaging

? Quartile:

2025:

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

2023:

- ? Instrumentation (Q1, rank 24, percentile 83)
- ? Electrical and Electronic Engineering (Q1, rank 163, percentile 79)
- ? Atomic and Molecular Physics, and Optics (Q1, rank 48, percentile 78)
- ? Analytical Chemistry (Q1, rank 36, percentile 77)
- ? Information Systems (Q1, rank 91, percentile 77)
- ? Biochemistry (Q2, rank 133, percentile 69)

? Source Id: 130124

? Author Ids: 57216360162;9739222400;6701681576;7004880389;7006280562;55512997500

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

? Corresponding: Schenone V.

48.

? Title: A Non-Hilbertian Inversion Technique for the Diagnosis of Faulty Elements in Antenna Arrays

? Venue: Lecture Notes in Networks and Systems

? Year: 2023

? Type: Book Series

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1007/978-3-031-16281-7_17

? Scopus ID: 2-s2.0-85138009358

? Issn: 23673370

? eISSN: 23673389

? Volume: 546 Lnns

? Pages: 173-181

? Authors: Schenone Valentina; Fedeli Alessandro; Estatico Claudio; Pastorino Matteo; Randazzo Andrea

? Keywords: Diagnosis of antenna array | Inverse problems | Non-Hilbertian methods

? Quartile:

2025:

- ? Signal Processing (Q3, rank 146, percentile 25)
- ? Computer Networks and Communications (Q3, rank 410, percentile 25)
- ? Control and Systems Engineering (Q4, rank 302, percentile 20)

2023:

- ? Signal Processing (Q4, rank 113, percentile 14)
- ? Control and Systems Engineering (Q4, rank 277, percentile 13)
- ? Computer Networks and Communications (Q4, rank 354, percentile 10)

? Source Id: 21100901469

? Author Ids: 57216360162;55512997500;9739222400;7004880389;7006280562

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

? Corresponding: Schenone V.

49.

? Title: Initial Experimental Tests of an ANN-Based Microwave Imaging Technique for Neck Diagnostics

? Venue: IEEE Microwave and Wireless Components Letters

? Year: 2022

? Type: Journal

? Subtype: Article
? Citations: 10
? Doi: 10.1109/Lmwc.2022.3194805
? Scopus ID: 2-s2.0-85136086121
? Issn: 15311309
? eISSN: 15581764
? Volume: 32
? Issue: 12
? Pages: 1495-1498
? Authors: Dachena Chiara; Fedeli Alessandro; Fanti Alessandro; Lodi Matteo B.; Fumera Giorgio; Pastorino Matteo; Randazzo Andrea
? Keywords: Artificial neural networks (ANNs) | biomedical imaging | inverse scattering | machine learning (ML) | microwave imaging (MWI)
? Quartile:
2022:
? Electrical and Electronic Engineering (Q2, rank 207, percentile 72)
? Condensed Matter Physics (Q2, rank 119, percentile 71)
? Source Id: 17295
? Author Ids:
57206901870;55512997500;36664325500;57211403950;6602513262;7004880389;7006280562
? Authoraffiliationids:
60025153;60025153;60032259-60114714;60032259;60032259;60025153;60025153
? Corresponding: Dachena C.

50.

? Title: On the reconstruction of the attenuation function of a return-stroke current from the Fourier Transform of finite-duration measurements
? Venue: International Journal of Electrical Power and Energy Systems
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 9
? DOI: 10.1016/j.ijepes.2022.108186
? Scopus ID: 2-s2.0-85129236133
? Issn: 01420615
? Volume: 142
? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Pastorino Matteo; Procopio Renato; Rachidi Farhad; Randazzo Andrea; Rubinstein Marcos
? Keywords: Electromagnetic fields | Inverse problems | Lightning
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 57, percentile 94)
? Energy Engineering and Power Technology (Q1, rank 25, percentile 92)
2022:
? Electrical and Electronic Engineering (Q1, rank 61, percentile 91)
? Energy Engineering and Power Technology (Q1, rank 26, percentile 89)
? Source Id: 17985
? Author Ids: 15759187700;8580886100;57115575100;7004880389;7801615894;7003719604;7006280562;7201682529
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60025153;60028186;60025153;128065441
? Corresponding: Aramini R.

51.

? Title: On the Fourier Transform of Measured Electric Fields Radiated by a Lightning Return Stroke

? Venue: IEEE Transactions on Electromagnetic Compatibility
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 11
? Doi: 10.1109/Temc.2022.3154648
? Scopus ID: 2-s2.0-85127513704
? Issn: 00189375
? eISSN: 1558187X
? Volume: 64
? Issue: 4
? Pages: 1257-1264
? Authors: Aramini Riccardo; Brignone Massimo; Mestriner Daniele; Pastorino Matteo; Procopio Renato; Randazzo Andrea; Rubinstein Marcos
? Keywords: Distribution theory | fast Fourier transform (FT) (FFT) | lightning
? 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)
2022:
? Electrical and Electronic Engineering (Q2, rank 256, percentile 65)
? Condensed Matter Physics (Q2, rank 150, percentile 64)
? Atomic and Molecular Physics, and Optics (Q2, rank 76, percentile 64)
? Source Id: 26051
? Author Ids:
15759187700;8580886100;57115575100;7004880389;7801615894;7006280562;7201682529
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;106110786
? Corresponding: Aramini R.

52.

? Title: 2-D Green's Function for an Elliptically Layered Cylindrical PEC Enclosure
? Venue: IEEE Transactions on Antennas and Propagation
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 2
? Doi: 10.1109/Tap.2022.3146874
? Scopus ID: 2-s2.0-85124185240
? Issn: 0018926x
? eISSN: 15582221
? Volume: 70
? Issue: 8
? Pages: 7338-7343
? Authors: Randazzo Andrea; Fedeli Alessandro; Pastorino Matteo
? Keywords: Electromagnetic scattering | Green's function | integral equations | stratified media
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)
2022:
? Electrical and Electronic Engineering (Q1, rank 80, percentile 89)
? Source Id: 17337
? Author Ids: 7006280562;55512997500;7004880389
? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Randazzo A.

53.

? Title: Microwaves as Diagnostic Tool for Pituitary Tumors: Preliminary Investigations

? Venue: Electronics Switzerland

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 1

? DOI: 10.3390/electronics11101608

? Scopus ID: 2-s2.0-85130196652

? eISSN: 20799292

? Volume: 11

? Issue: 10

? Authors: Casula Filippo; Lodi Matteo Bruno; Curreli Nicola; Fedeli Alessandro;

Scapaticci Rosa; Muntoni Giacomo; Randazzo Andrea; Djuric Nikola; Vannucci Luca; Fanti Alessandro

? Keywords: diagnostics | inverse problem | microwaves | pituitary tumors | transmission line model

? 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)

2022:

? Control and Systems Engineering (Q2, rank 92, percentile 68)

? Electrical and Electronic Engineering (Q2, rank 248, percentile 66)

? Computer Networks and Communications (Q2, rank 129, percentile 66)

? Signal Processing (Q2, rank 48, percentile 61)

? Hardware and Architecture (Q2, rank 68, percentile 60)

? Source Id: 21100829272

? Author Ids: 57695617900;57211403950;56487698400;55512997500;55223916300;56964448000;7006280562;35174255600;7003973501;36664325500

? Authoraffiliationids: 60032259;60032259;60102151;60025153;60001111;60032259;60025153;60068801;60031135;60032259

? Corresponding: Casula F.

54.

? Title: An LSTM Based Strategy for Data and Model Calibration in Subsurface Electromagnetic Imaging

? Venue: IEEE Conference on Antenna Measurements and Applications Cama

? Year: 2022

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Cama56352.2022.10002550

? Scopus ID: 2-s2.0-85148283678

? Issn: 24741760

? eISSN: 26436795

? Volume: 2022-December

? Authors: Fedeli Alessandro; Schenone Valentina; Pastorino Matteo; Randazzo Andrea

? Keywords: calibration | long short-term memory | nonlinear inversion | subsurface imaging

? Quartile:

2025:

? Radiation (Q3, rank 53, percentile 28)

? Instrumentation (Q3, rank 140, percentile 25)

? Computer Networks and Communications (Q4, rank 432, percentile 21)

? Source Id: 21101136249

? Author Ids: 55512997500;57216360162;7004880389;7006280562

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Fedeli A.

55.

? Title: Nonlinear Inversion for Microwave Characterization of Targets in Non-Homogeneous Media

? Venue: 2022 International Conference on Electromagnetics in Advanced Applications Iceaa 2022

? Year: 2022

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Iceaa49419.2022.9899997

? Scopus ID: 2-s2.0-85141010293

? Pages: 97

? Authors: Schenone Valentina; Fedeli Alessandro; Estatico Claudio; Pastorino Matteo; Randazzo Andrea

? Source Id: 21101117512

? Author Ids: 57216360162;55512997500;9739222400;7004880389;7006280562

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

? Corresponding: Schenone V.

56.

? Title: A Hybrid Qualitative-Quantitative Electromagnetic Imaging Method for Subsurface Prospecting

? Venue: Ist 2022 IEEE International Conference on Imaging Systems and Techniques Proceedings

? Year: 2022

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Ist55454.2022.9827669

? Scopus ID: 2-s2.0-85135927840

? Authors: Schenone Valentina; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea; Estatico Claudio

? Keywords: Electromagnetic imaging | Ground Penetrating Radar | inverse scattering | Lebesgue spaces

? Source Id: 21101101230

? Author Ids: 57216360162;55512997500;7004880389;7006280562;9739222400

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

? Corresponding: Schenone V.

57.

? Title: Detection of Failures in Antenna Arrays Through a Lebesgue-Space Approach

? Venue: IEEE Open Journal of Antennas and Propagation

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 16

? Doi: 10.1109/Ojap.2022.3181345

? Scopus ID: 2-s2.0-85131730938

? eISSN: 26376431
? Volume: 3
? Pages: 652-662
? Authors: Schenone Valentina; Fedeli Alessandro; Estatico Claudio; Pastorino Matteo; Randazzo Andrea
? Keywords: antenna arrays | Antenna diagnostics | inverse source | Lebesgue spaces
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 199, percentile 80)
2022:
? Electrical and Electronic Engineering (Q2, rank 299, percentile 59)
? Source Id: 21101059745
? Author Ids: 57216360162;55512997500;9739222400;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Schenone V.

58.

? Title: Designing a Microwave Moisture Content Sensor for Carasau Bread: A Feasibility Study
? Venue: 2022 16th European Conference on Antennas and Propagation Eucap 2022
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-85130623533
? Authors: Muntoni Giacomo; Fedeli Alessandro; Lodi Matteo Bruno; Simone Marco; Randazzo Andrea; Mazzarella Giuseppe; Fanti Alessandro
? Keywords: dielectric properties | food engineering | moisture | moisture sensor | patch antenna
? Source Id: 21101089648
? Author Ids:
56964448000;55512997500;57211403950;55866781100;7006280562;7006097620;36664325500
? Authoraffiliationids: 60032259;60025153;60032259;60032259;60025153;60032259;60032259
? Corresponding: Muntoni G.

59.

? Title: A Microwave Imaging Technique Based on Artificial Neural Networks for Neck Tumors Detection
? Venue: 2022 16th European Conference on Antennas and Propagation Eucap 2022
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-85130602960
? Authors: Dachena Chiara; Fedeli Alessandro; Fanti Alessandro; Lodi Matteo B.; Fumera Giorgio; Pastorino Matteo; Randazzo Andrea
? Keywords: artificial neural networks | Microwave imaging | neck phantom | tumor detection
? Source Id: 21101089648
? Author Ids:
57206901870;55512997500;36664325500;57211403950;6602513262;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60032259;60032259;60032259;60025153;60025153
? Corresponding: Dachena C.

60.

? Title: A Hybrid Lebesgue-Space Inverse-Scattering Technique for Microwave Imaging of Objects Hidden Behind a Wall

? Venue: 2022 16th European Conference on Antennas and Propagation Eucap 2022
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Scopus ID: 2-s2.0-85130591267
? Authors: Randazzo Andrea; Ponti Cristina; Fedeli Alessandro; Pastorino Matteo; Schettini Giuseppe
? Keywords: inverse scattering | Through-the-wall imaging | variable-exponent Banach spaces
? Source Id: 21101089648
? Author Ids: 7006280562;26536362600;55512997500;7004880389;7102615533
? Authoraffiliationids: 60025153;60012630;60025153;60025153;60012630
? Corresponding: Randazzo A.

61.

? Title: Multistatic Electromagnetic Imaging of Dielectric Targets with LSTM Cells
? Venue: 2022 16th European Conference on Antennas and Propagation Eucap 2022
? Year: 2022
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-85130587858
? Authors: Fedeli Alessandro; Schenone Valentina; Pastorino Matteo; Randazzo Andrea
? Keywords: electromagnetic imaging | inverse scattering | long short-term memory
? Source Id: 21101089648
? Author Ids: 55512997500;57216360162;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Fedeli A.

62.

? Title: A Robust SVM Color-Based Food Segmentation Algorithm for the Production Process of a Traditional Carasau Bread
? Venue: IEEE Access
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 13
? Doi: 10.1109/Access.2022.3147206
? Scopus ID: 2-s2.0-85124103230
? eISSN: 21693536
? Volume: 10
? Pages: 15359-15377
? Authors: Mannaro Katiuscia; Baire Matteo; Fanti Alessandro; Lodi Matteo Bruno; Didaci Luca; Fedeli Alessandro; Cocco Luisanna; Randazzo Andrea; Mazzarella Giuseppe; Fumera Giorgio
? Keywords: Computer vision | food tecnology | image color analysis | image processing | image segmentation | machine learning | support vector machines
? 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)
2022:
? Engineering (all) (Q1, rank 22, percentile 92)
? Computer Science (all) (Q1, rank 25, percentile 89)

? Materials Science (all) (Q1, rank 78, percentile 82)
? Source Id: 21100374601
? Author Ids: 23398019900;57206893052;36664325500;57211403950;55887100400;55512997500;37861007600;7006280562;7006097620;6602513262
? Authoraffiliationids: 60032259;60032259;60032259;60032259;60032259;60025153;60032259;60025153;60032259;60032259
? Corresponding: Mannaro K.

63.

? Title: Experimental Assessment of a Novel Hybrid Scheme for Quantitative GPR Imaging
? Venue: IEEE Geoscience and Remote Sensing Letters
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 12
? Doi: 10.1109/Lgrs.2021.3121808
? Scopus ID: 2-s2.0-85122858958
? Issn: 1545598x
? eISSN: 15580571
? Volume: 19
? Authors: Schenone Valentina; Fedeli Alessandro; Estatico Claudio; Pastorino Matteo; Randazzo Andrea
? Keywords: Buried object detection | electromagnetic (EM) inverse scattering (IS) problems | ground-penetrating radar (GPR)
? Quartile:
2025:
? Geotechnical Engineering and Engineering Geology (Q1, rank 22, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 90, percentile 91)
2022:
? Geotechnical Engineering and Engineering Geology (Q1, rank 43, percentile 79)
? Electrical and Electronic Engineering (Q1, rank 160, percentile 78)
? Source Id: 17259
? Author Ids: 57216360162;55512997500;9739222400;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Schenone V.

64.

? Title: A Short-Range FMCW Radar-Based Approach for Multi-Target Human-Vehicle Detection
? Venue: IEEE Transactions on Geoscience and Remote Sensing
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 50
? Doi: 10.1109/Tgrs.2021.3138687
? Scopus ID: 2-s2.0-85122079795
? Issn: 01962892
? eISSN: 15580644
? Volume: 60
? Authors: Tavanti Emanuele; Rizik Ali; Fedeli Alessandro; Caviglia Daniele D.; Randazzo Andrea
? Keywords: electromagnetic scattering | Frequency-modulated continuous wave (FMCW) radar data processing | machine learning (ML) | radar imaging
? Quartile:
2025:
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)

? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)
2022:
? Earth and Planetary Sciences (all) (Q1, rank 8, percentile 96)
? Electrical and Electronic Engineering (Q1, rank 59, percentile 92)
? Source Id: 17360
? Author Ids: 57038817000;57214804817;55512997500;7004012654;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Tavanti E.

65.

? Title: 2-D TM GPR Imaging through a Multiscaling Multifrequency Approach in Lp Spaces
? Venue: IEEE Transactions on Geoscience and Remote Sensing
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 22
? Doi: 10.1109/Tgrs.2021.3049423
? Scopus ID: 2-s2.0-85099724246
? Issn: 01962892
? eISSN: 15580644
? Volume: 59
? Issue: 12
? Pages: 10011-10021
? Authors: Salucci Marco; Estatico Claudio; Fedeli Alessandro; Oliveri Giacomo;
Pastorino Matteo; Povoli Sergio; Randazzo Andrea; Rocca Paolo
? Keywords: Banach spaces | buried object detection | electromagnetic scattering
inverse problems | ground-penetrating radar (GPR)
? Quartile:
2025:
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)
2021:
? Earth and Planetary Sciences (all) (Q1, rank 4, percentile 98)
? Electrical and Electronic Engineering (Q1, rank 42, percentile 94)
? Source Id: 17360
? Author Ids: 54387549100;9739222400;55512997500;6701615935;7004880389;57221664000;7006
280562;22035972900
? Authoraffiliationids:
60015986;60025153;60025153;60015986;60025153;60015986;60025153;60015986
? Corresponding: Salucci M.

66.

? Title: Assessment of an Lp-space multi-focusing inversion method for subsoil mapping
with multi-frequency data
? Venue: Microwave and Optical Technology Letters
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 1
? DOI: 10.1002/mop.32921
? Scopus ID: 2-s2.0-85107219408
? Issn: 08952477
? eISSN: 10982760
? Volume: 63
? Issue: 10
? Pages: 2559-2564

? Authors: Randazzo Andrea; Estatico Claudio; Fedeli Alessandro; Rosatti Pietro; Salucci Marco; Zardi Francesco; Pastorino Matteo
 ? Keywords: electromagnetic imaging | inverse problems | subsoil mapping
 ? 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)
 2021:
 ? Electrical and Electronic Engineering (Q2, rank 345, percentile 51)
 ? Atomic and Molecular Physics, and Optics (Q3, rank 107, percentile 48)
 ? Condensed Matter Physics (Q3, rank 224, percentile 46)
 ? Electronic, Optical and Magnetic Materials (Q3, rank 149, percentile 42)
 ? Source Id: 12250
 ? Author Ids:
 7006280562;9739222400;55512997500;57206725859;54387549100;57206727509;7004880389
 ? Authoraffiliationids: 60025153;60025153;60025153;60015986;60015986;60015986;60025153
 ? Corresponding: Randazzo A.

67.

? Title: Cost-Efficient FMCW Radar for Multi-Target Classification in Security Gate Monitoring
 ? Venue: IEEE Sensors Journal
 ? Year: 2021
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 25
 ? Doi: 10.1109/Jsen.2021.3095674
 ? Scopus ID: 2-s2.0-85115293964
 ? Issn: 1530437x
 ? eISSN: 15581748
 ? Volume: 21
 ? Issue: 18
 ? Pages: 20447-20461
 ? Authors: Rizik Ali; Tavanti Emanuele; Chible Hussien; Caviglia Daniele D.; Randazzo Andrea
 ? Keywords: edge computing | electromagnetic scattering | FMCW radar | range-Doppler processing | target classification
 ? Quartile:
 2025:
 ? Instrumentation (Q1, rank 27, percentile 85)
 ? Electrical and Electronic Engineering (Q1, rank 175, percentile 82)
 2021:
 ? Instrumentation (Q1, rank 14, percentile 90)
 ? Electrical and Electronic Engineering (Q1, rank 147, percentile 79)
 ? Source Id: 15047
 ? Author Ids: 57214804817;57038817000;7801443090;7004012654;7006280562
 ? Authoraffiliationids: 60025153;60025153;60068774;60025153;60025153
 ? Corresponding: Rizik A.

68.

? Title: A two-step inverse-scattering technique in variable-exponent lebesgue spaces for through-the-wall microwave imaging: Experimental results
 ? Venue: IEEE Transactions on Geoscience and Remote Sensing
 ? Year: 2021

? Type: Journal
? Subtype: Article
? Citations: 23
? Doi: 10.1109/Tgrs.2021.3052608
? Scopus ID: 2-s2.0-85101450906
? Issn: 01962892
? eISSN: 15580644
? Volume: 59
? Issue: 9
? Pages: 7189-7200
? Authors: Randazzo Andrea; Ponti Cristina; Fedeli Alessandro; Estatico Claudio; D'Atanasio Paolo; Pastorino Matteo; Schettini Giuseppe
? Keywords: Electromagnetic scattering | Inverse problems | Microwave imaging | Through-the-wall imaging (TWI) | Variable-exponent Lebesgue spaces
? Quartile:
2025:
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)
2021:
? Earth and Planetary Sciences (all) (Q1, rank 4, percentile 98)
? Electrical and Electronic Engineering (Q1, rank 42, percentile 94)
? Source Id: 17360
? Author Ids:
7006280562;26536362600;55512997500;9739222400;6506533668;7004880389;7102615533
? Authoraffiliationids:
60025153;60012630-60103966;60025153;60025153;60003686;60025153;60012630-60103966
? Corresponding: Randazzo A.

69.

? Title: Microwave Imaging for the Diagnosis of Cervical Diseases: A Feasibility Analysis
? Venue: IEEE Journal of Electromagnetics RF and Microwaves in Medicine and Biology
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 27
? Doi: 10.1109/Jerm.2020.3042711
? Scopus ID: 2-s2.0-85097952145
? eISSN: 24697249
? Volume: 5
? Issue: 3
? Pages: 277-285
? Authors: Dachena Chiara; Fedeli Alessandro; Fanti Alessandro; Lodi Matteo B.; Pastorino Matteo; Randazzo Andrea
? Keywords: inverse problems | Microwave imaging | spinal cord | tomography
? Quartile:
2025:
? Radiation (Q1, rank 4, percentile 95)
? Radiology, Nuclear Medicine and Imaging (Q1, rank 26, percentile 92)
? Instrumentation (Q1, rank 22, percentile 88)
2021:
? Radiation (Q1, rank 5, percentile 91)
? Instrumentation (Q1, rank 17, percentile 87)
? Radiology, Nuclear Medicine and Imaging (Q1, rank 57, percentile 81)
? Source Id: 21100902029

? Author Ids: 57206901870;55512997500;36664325500;57211403950;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60032259-60114714;60032259;60025153;60025153
? Corresponding: Dachena C.

70.

? Title: Through-the-Wall Imaging by means of a Hybrid Inverse-Scattering Procedure
? Venue: 2021 34th General Assembly and Scientific Symposium of the International Union of Radio Science Ursi Gass 2021
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.23919/Ursigass51995.2021.9560268
? Scopus ID: 2-s2.0-85118261941
? Authors: Randazzo Andrea; Ponti Cristina; Schenone Valentina; Fedeli Alessandro; Estatico Claudio; D'Atanasio Paolo; Pastorino Matteo; Schettini Giuseppe
? Source Id: 21101063823
? Author Ids: 7006280562;26536362600;57216360162;55512997500;9739222400;6506533668;7004880389;7102615533
? Authoraffiliationids: 60025153;60012630;60025153;60025153;60025153;60003686;60025153;60012630
? Corresponding: Randazzo A.

71.

? Title: An Iterative Multifrequency Approach in LpSpaces for Multiscaling Detection of Buried Objects
? Venue: 2021 34th General Assembly and Scientific Symposium of the International Union of Radio Science Ursi Gass 2021
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.23919/Ursigass51995.2021.9560286
? Scopus ID: 2-s2.0-85118253765
? Authors: Randazzo Andrea; Capra Federico; Estatico Claudio; Fedeli Alessandro; Salucci Marco; Zardi Francesco; Pastorino Matteo
? Source Id: 21101063823
? Author Ids: 7006280562;57316782200;9739222400;55512997500;54387549100;57206727509;7004880389
? Authoraffiliationids: 60025153;60015986;60025153;60025153;60015986;60015986;60025153
? Corresponding: Randazzo A.

72.

? Title: FE-Based Microwave Inverse Scattering in Nonconstant-Exponent Spaces: A Numerical Assessment
? Venue: 2021 International Conference on Electromagnetics in Advanced Applications Iceaa 2021
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Iceaa52647.2021.9539589
? Scopus ID: 2-s2.0-85116307583
? Pages: 351
? Authors: Fedeli A.; Schenone V.; Pastorino M.; Randazzo A.
? Source Id: 21101060563
? Author Ids: 55512997500;57216360162;7004880389;7006280562

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Fedeli A.

73.

? Title: Two Ways for Early Detection of a Stroke through a Wearable Smart Helmet: Signal Processing vs. Electromagnetism

? Venue: IEEE Wireless Communications

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 12

? Doi: 10.1109/Mwc.001.2000401

? Scopus ID: 2-s2.0-85111168674

? Issn: 15361284

? eISSN: 15580687

? Volume: 28

? Issue: 3

? Pages: 22-27

? Authors: Bisio Igor; Fedeli Alessandro; Garibotto Chiara; Lavagetto Fabio; Pastorino Matteo; Randazzo Andrea

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 24, percentile 97)

? Computer Science Applications (Q1, rank 29, percentile 97)

2021:

? Computer Science Applications (Q1, rank 5, percentile 99)

? Electrical and Electronic Engineering (Q1, rank 10, percentile 98)

? Source Id: 18935

? Author Ids: 8546192900;55512997500;57053502600;7004136693;7004880389;7006280562

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

? Corresponding: Bisio I.

74.

? Title: A Breath Monitoring Approach Based on Electrical Impedance Measurements

? Venue: IEEE Journal of Electromagnetics RF and Microwaves in Medicine and Biology

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 4

? Doi: 10.1109/Jerm.2020.3031491

? Scopus ID: 2-s2.0-85106984949

? eISSN: 24697249

? Volume: 5

? Issue: 2

? Pages: 179-186

? Authors: Tavanti Emanuele; Gambari Gianluca; Boero Federico; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea

? Keywords: breath rate monitoring | Electrical impedance | wearable devices

? Quartile:

2025:

? Radiation (Q1, rank 4, percentile 95)

? Radiology, Nuclear Medicine and Imaging (Q1, rank 26, percentile 92)

? Instrumentation (Q1, rank 22, percentile 88)

2021:

? Radiation (Q1, rank 5, percentile 91)

? Instrumentation (Q1, rank 17, percentile 87)

- ? Radiology, Nuclear Medicine and Imaging (Q1, rank 57, percentile 81)
 ? Source Id: 21100902029
 ? Author Ids: 57038817000;57218476376;57200958692;55512997500;7004880389;7006280562
 ? Authoraffiliationids: 60025153;126296272;126296272;60025153;60025153;60025153
 ? Corresponding: Tavanti E.
75.
 ? Title: A Microwave Imaging Technique for Neck Diseases Monitoring
 ? Venue: 15th European Conference on Antennas and Propagation Eucap 2021
 ? Year: 2021
 ? Type: Conference Proceeding
 ? Subtype: Conference Paper
 ? Citations: 1
 ? DOI: 10.23919/EuCAP51087.2021.9411191
 ? Scopus ID: 2-s2.0-85105519543
 ? Authors: Dachena Chiara; Fedeli Alessandro; Fanti Alessandro; Lodi Matteo B.; Pastorino Matteo; Randazzo Andrea
 ? Keywords: Cervical disease | hybrid inversion approach | microwave imaging
 ? Source Id: 21101044864
 ? Author Ids: 57206901870;55512997500;36664325500;57200266678;7004880389;7006280562
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
 ? Corresponding: Dachena C.
76.
 ? Title: Nonlinear Inverse-Scattering in Variable-Exponent Spaces for Multifrequency Subsurface Imaging
 ? Venue: 15th European Conference on Antennas and Propagation Eucap 2021
 ? Year: 2021
 ? Type: Conference Proceeding
 ? Subtype: Conference Paper
 ? Citations: 0
 ? DOI: 10.23919/EuCAP51087.2021.9411107
 ? Scopus ID: 2-s2.0-85105431689
 ? Authors: Fedeli Alessandro; Schenone Valentina; Estatico Claudio; Pastorino Matteo; Randazzo Andrea
 ? Keywords: Inverse scattering | Lebesgue spaces | Subsurface imaging
 ? Source Id: 21101044864
 ? Author Ids: 55512997500;57216360162;9739222400;7004880389;7006280562
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
 ? Corresponding: Fedeli A.
77.
 ? Title: Analysis of a nonlinear technique for microwave imaging of targets inside conducting cylinders
 ? Venue: Electronics Switzerland
 ? Year: 2021
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 6
 ? DOI: 10.3390/electronics10050594
 ? Scopus ID: 2-s2.0-85101925769
 ? eISSN: 20799292
 ? Volume: 10
 ? Issue: 5
 ? Pages: 1-18
 ? Authors: Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea; Gragnani Gian Luigi
 ? Keywords: Conducting cylinders | Inverse scattering | Tomography

? 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)

2021:

? Electrical and Electronic Engineering (Q2, rank 280, percentile 60)

? Computer Networks and Communications (Q2, rank 146, percentile 59)

? Control and Systems Engineering (Q2, rank 110, percentile 59)

? Signal Processing (Q2, rank 51, percentile 56)

? Hardware and Architecture (Q2, rank 75, percentile 55)

? Source Id: 21100829272

? Author Ids: 55512997500;7004880389;7006280562;6701681576

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Fedeli A.

78.

? Title: An Electrical Impedance Tomography System for Brain Stroke Imaging based on a Lebesgue-Space Inversion Procedure

? Venue: IEEE Journal of Electromagnetics RF and Microwaves in Medicine and Biology

? Year: 2021

? Type: Journal

? Subtype: Article

? Citations: 3

? Doi: 10.1109/Jerm.2020.2994816

? Scopus ID: 2-s2.0-85101849905

? eISSN: 24697249

? Volume: 5

? Issue: 1

? Pages: 54-61

? Authors: Randazzo Andrea; Tavanti Emanuele; Mikulenas Mantas; Boero Federico; Fedeli Alessandro; Sansalone Andrea; Allasia Giorgio; Pastorino Matteo

? Keywords: Brain stroke | electrical impedance tomography | imaging | inverse problems | Lebesgue spaces

? Quartile:

2025:

? Radiation (Q1, rank 4, percentile 95)

? Radiology, Nuclear Medicine and Imaging (Q1, rank 26, percentile 92)

? Instrumentation (Q1, rank 22, percentile 88)

2021:

? Radiation (Q1, rank 5, percentile 91)

? Instrumentation (Q1, rank 17, percentile 87)

? Radiology, Nuclear Medicine and Imaging (Q1, rank 57, percentile 81)

? Source Id: 21100902029

? Author Ids: 7006280562;57038817000;57220067138;57200958692;55512997500;57200964848;36995727400;7004880389

? Authoraffiliationids:

60025153;60025153;120302456;120302456;60025153;120302456;120302456;60025153

? Corresponding: Randazzo A.

79.

? Title: Nonlinear S-Parameters Inversion for Stroke Imaging

? Venue: IEEE Transactions on Microwave Theory and Techniques

? Year: 2021

? Type: Journal
? Subtype: Article
? Citations: 77
? Doi: 10.1109/Tmtt.2020.3040483
? Scopus ID: 2-s2.0-85097963222
? Issn: 00189480
? eISSN: 15579670
? Volume: 69
? Issue: 3
? Pages: 1760-1771
? Authors: Fedeli Alessandro; Schenone Valentina; Randazzo Andrea; Pastorino Matteo; Henriksson Tommy; Semenov Serguei
? Keywords: Finite elements | inverse problems | Lebesgue spaces | S-parameters | stroke imaging
? 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)
2021:
? Radiation (Q1, rank 3, percentile 95)
? Condensed Matter Physics (Q1, rank 42, percentile 90)
? Electrical and Electronic Engineering (Q1, rank 96, percentile 86)
? Source Id: 17366
? Author Ids: 55512997500;57216360162;7006280562;7004880389;59826002200;7103074188
? Authoraffiliationids: 60025153;60025153;60025153;60025153;114934399;114934399
? Corresponding: Fedeli A.

80.

? Title: An Antenna Array Diagnostic Technique based on a Lebesgue-Space Inversion Procedure
? Venue: 2021 IEEE Conference on Antenna Measurements and Applications Cama 2021
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Cama49227.2021.9703531
? Scopus ID: 2-s2.0-85126743484
? Pages: 524-527
? Authors: Schenone Valentina; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
? Keywords: Antenna diagnostics | inverse source | Lebesgue spaces
? Source Id: 21101081726
? Author Ids: 57216360162;55512997500;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Schenone V.

81.

? Title: Microwave Imaging of Dielectric Targets by Means of a Variable-Exponent Finite-Elements Approach
? Venue: 2021 IEEE Conference on Antenna Measurements and Applications Cama 2021
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Cama49227.2021.9703641
? Scopus ID: 2-s2.0-85126734120

? Pages: 546-549
? Authors: Schenone Valentina; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea; Estatico Claudio
? Keywords: finite element methods | Inverse scattering | Lebesgue spaces
? Source Id: 21101081726
? Author Ids: 57216360162;55512997500;7004880389;7006280562;9739222400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Schenone V.

82.

? Title: Effect of Data Noise on LSTM-FC Scattered-Field Processing for Microwave Imaging
? Venue: Ist 2021 IEEE International Conference on Imaging Systems and Techniques Proceedings
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Ist50367.2021.9651450
? Scopus ID: 2-s2.0-85124373050
? Authors: Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
? Keywords: electromagnetic inverse scattering problems | long short-term memory | microwave imaging
? Source Id: 21101075538
? Author Ids: 55512997500;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Fedeli A.

83.

? Title: Microwave Tomography of the Neck with ANNs: Preliminary Results with Simplified Numerical Phantoms
? Venue: Ist 2021 IEEE International Conference on Imaging Systems and Techniques Proceedings
? Year: 2021
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Ist50367.2021.9651379
? Scopus ID: 2-s2.0-85124356071
? Authors: Dachena Chiara; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea; Fanti Alessandro; Lodi Matteo Bruno; Fumera Giorgio
? Keywords: artificial neural networks | Microwave imaging | neck phantom
? Source Id: 21101075538
? Author Ids:
57206901870;55512997500;7004880389;7006280562;36664325500;57211403950;6602513262
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60032259;60032259;60032259
? Corresponding: Dachena C.

84.

? Title: Microwave Characterization and Modeling of the Carasau Bread Doughs during Leavening
? Venue: IEEE Access
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 18
? Doi: 10.1109/Access.2021.3131207

? Scopus ID: 2-s2.0-85120542395
 ? eISSN: 21693536
 ? Volume: 9
 ? Pages: 159833-159847
 ? Authors: Lodi Matteo Bruno; Curreli Nicola; Melis Andrea; Garau Emanuele; Fanari Fabio; Fedeli Alessandro; Randazzo Andrea; Mazzarella Giuseppe; Fanti Alessandro
 ? Keywords: Carasau bread dough | dielectric materials | dielectric measurements | dielectric spectroscopy | food manufacturing | microwave measurements | open-ended coaxial probe | thermogravimetric analysis
 ? 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: 57211403950;56487698400;41262209800;57189625838;57206902315;55512997500;7006280562;7006097620;36664325500
 ? Authoraffiliationids: 60032259-126431541;60102151;60032259;60032259;60032259;126431541-60025153;126431541-60025153;60032259-126431541;60032259-126431541
 ? Corresponding: Lodi M.B.

85.

? Title: Microwave Imaging of the Neck by Means of Artificial Neural Networks for Tumor Detection
 ? Venue: IEEE Open Journal of Antennas and Propagation
 ? Year: 2021
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 23
 ? Doi: 10.1109/Ojap.2021.3121177
 ? Scopus ID: 2-s2.0-85118250325
 ? eISSN: 26376431
 ? Volume: 2
 ? Pages: 1044-1056
 ? Authors: Dachena Chiara; Fedeli Alessandro; Fanti Alessandro; Lodi Matteo Bruno; Fumera Giorgio; Randazzo Andrea; Pastorino Matteo
 ? Keywords: artificial neural networks | biomedical imaging | inverse scattering | machine learning | Microwave imaging | neck tumors
 ? Quartile:
 2025:
 ? Electrical and Electronic Engineering (Q1, rank 199, percentile 80)
 2021:
 ? Electrical and Electronic Engineering (Q3, rank 446, percentile 37)
 ? Source Id: 21101059745
 ? Author Ids: 57206901870;55512997500;36664325500;57211403950;6602513262;7006280562;7004880389
 ? Authoraffiliationids: 60025153;60025153;60032259-60114714;60032259;60032259;60025153;60025153
 ? Corresponding: Dachena C.

86.

? Title: A through-the-wall imaging approach based on a tsvd/variable-exponent lebesgue-space method
? Venue: Remote Sensing
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 7
? DOI: 10.3390/rs13112028
? Scopus ID: 2-s2.0-85106976784
? eISSN: 20724292
? Volume: 13
? Issue: 11
? Authors: Randazzo Andrea; Ponti Cristina; Fedeli Alessandro; Estatico Claudio; D'atanasio Paolo; Pastorino Matteo; Schettini Giuseppe
? Keywords: Electromagnetic problems | Inverse scattering | Microwave imaging | Through-wall radar
? Quartile:
2025:
? Earth and Planetary Sciences (all) (Q1, rank 12, percentile 94)
2021:
? Earth and Planetary Sciences (all) (Q1, rank 17, percentile 91)
? Source Id: 86430
? Author Ids:
7006280562;26536362600;55512997500;9739222400;6506533668;7004880389;7102615533
? Authoraffiliationids: 60025153;60012630;60025153;60025153;60003686;60025153;60012630
? Corresponding: Randazzo A.

87.

? Title: Low-Cost FMCW Radar Human-Vehicle Classification Based on Transfer Learning
? Venue: Proceedings of the International Conference on Microelectronics Icm
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Icm50269.2020.9331808
? Scopus ID: 2-s2.0-85100556948
? Volume: 2020-December
? Authors: Rizik Ali; Randazzo Andrea; Vio Roberto; Delucchi Alessandro; Chible Hussien; Caviglia Daniele D.
? Keywords: 24 GHz | 2D FFT Processing | classification | CNN | FMCW radar | low-cost radar | Range-Doppler map | Transfer Learning
? Source Id: 144854
? Author Ids: 57214804817;7006280562;57214794400;57204907662;7801443090;7004012654
? Authoraffiliationids: 60025153;60025153;123864795;123864795;60068774;60025153
? Corresponding: Rizik A.

88.

? Title: Pedestrian and multi-class vehicle classification in radar systems using rulex software on the raspberry pi
? Venue: Applied Sciences Switzerland
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 7
? DOI: 10.3390/app10249113

? Scopus ID: 2-s2.0-85098128693
? eISSN: 20763417
? Volume: 10
? Issue: 24
? Pages: 1-10
? Authors: Daher Ali Walid; Rizik Ali; Randazzo Andrea; Tavanti Emanuele; Chible Hussein; Muselli Marco; Caviglia Daniele D.
? Keywords: Cascading | Edge computing | Internet of things | Machine learning | Radar
? Quartile:
2025:
? Engineering (all) (Q1, rank 69, percentile 80)
? Instrumentation (Q1, rank 38, percentile 80)
? Fluid Flow and Transfer Processes (Q1, rank 21, percentile 79)
? Computer Science Applications (Q2, rank 294, percentile 70)
? Materials Science (all) (Q2, rank 166, percentile 64)
? Process Chemistry and Technology (Q2, rank 34, percentile 55)
2020:
? Engineering (all) (Q2, rank 85, percentile 71)
? Instrumentation (Q2, rank 49, percentile 62)
? Fluid Flow and Transfer Processes (Q2, rank 34, percentile 59)
? Computer Science Applications (Q2, rank 300, percentile 56)
? Materials Science (all) (Q2, rank 222, percentile 51)
? Process Chemistry and Technology (Q2, rank 30, percentile 50)
? Source Id: 21100829268
? Author Ids:
57275978700;57214804817;7006280562;57038817000;7801443090;7003496128;7004012654
? Authoraffiliationids: 60025153-60068774-60021199;60025153-60068774;60025153;60025153;60068774;60021199;60025153
? Corresponding: Daher A.W.

89.

? Title: A Phaseless Microwave Imaging Approach Based on a Lebesgue-Space Inversion Algorithm
? Venue: IEEE Transactions on Antennas and Propagation
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 28
? Doi: 10.1109/Tap.2020.2999789
? Scopus ID: 2-s2.0-85086699132
? Issn: 0018926x
? eISSN: 15582221
? Volume: 68
? Issue: 12
? Pages: 8091-8103
? Authors: Estatico Claudio; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea; Tavanti Emanuele
? Keywords: Amplitude-only | Banach spaces | inverse problems | microwave imaging | regularization
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)
2020:
? Electrical and Electronic Engineering (Q1, rank 59, percentile 91)
? Source Id: 17337

? Author Ids: 9739222400;55512997500;7004880389;7006280562;57038817000

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

? Corresponding: Estatico C.

90.

? Title: Single Target Recognition Using a Low-Cost FMCW Radar Based on Spectrum Analysis

? Venue: Icecs 2020 27th IEEE International Conference on Electronics Circuits and Systems Proceedings

? Year: 2020

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 8

? Doi: 10.1109/Icecs49266.2020.9294819

? Scopus ID: 2-s2.0-85099448120

? Authors: Rizik Ali; Tavanti Emanuele; Vio Roberto; Delucchi Alessandro; Chible Hussien; Randazzo Andrea; Caviglia Daniele D.

? Keywords: 24 GHz | Classification | Feature Extraction | FMCW Radar | Range and Doppler Profiles | Range-Doppler Map | Spectrum Analysis | Target Recognition

? Source Id: 21101033916

? Author Ids:

57214804817;57038817000;57214794400;57204907662;7801443090;7006280562;7004012654

? Authoraffiliationids:

60068774-60025153;60068774;123864795;123864795;60025153;60068774;60068774

? Corresponding: Rizik A.

91.

? Title: A Microwave Imaging System for the Detection of Targets Hidden behind Dielectric Walls

? Venue: 2020 33rd General Assembly and Scientific Symposium of the International Union of Radio Science URSI GASS 2020

? Year: 2020

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 5

? Doi: 10.23919/Ursigass49373.2020.9232008

? Scopus ID: 2-s2.0-85096866467

? Authors: Cicchetti Renato; Cicchetti Valentina; Costanzo Sandra; D'Atanasio Paolo; Fedeli Alessandro; Pastorino Matteo; Pisa Stefano; Pittella Erika; Piuze Emanuele; Ponti Cristina; Randazzo Andrea; Santarsiero Massimo; Schettini Giuseppe; Testa Orlandino

? Source Id: 21101028579

? Author Ids: 7004398705;57215835098;14029886000;6506533668;55512997500;7004880389;6603887757;24802635400;6603094570;26536362600;7006280562;7006864478;7102615533;6602217029

? Authoraffiliationids: 60032350;60032350;60020261;60003686;60025153;60025153;60032350;60134847;60032350;60012630;60025153;60012630;60012630;60032350

? Corresponding: Cicchetti R.

92.

? Title: A Microwave Diagnostic Technique for Early-Stage Brain Stroke Characterization

? Venue: 2020 33rd General Assembly and Scientific Symposium of the International Union of Radio Science URSI GASS 2020

? Year: 2020

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.23919/Ursigass49373.2020.9232318

? Scopus ID: 2-s2.0-85096860633
 ? Authors: Fedeli Alessandro; Randazzo Andrea; Sciarrone Andrea; Bisio Igor; Lavagetto Fabio; Pastorino Matteo
 ? Source Id: 21101028579
 ? Author Ids: 55512997500;7006280562;36180166900;8546192900;7004136693;7004880389
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
 ? Corresponding: Fedeli A.

93.

? Title: Multi-Frequency Inversion of Scattered-Field Data in Lebesgue Spaces with Nonconstant Exponents
 ? Venue: 2020 33rd General Assembly and Scientific Symposium of the International Union of Radio Science Ursi Gass 2020
 ? Year: 2020
 ? Type: Conference Proceeding
 ? Subtype: Conference Paper
 ? Citations: 0
 ? Doi: 10.23919/Ursigass49373.2020.9232449
 ? Scopus ID: 2-s2.0-85096841201
 ? Authors: Fedeli Alessandro; Estatico Claudio; Randazzo Andrea; Pastorino Matteo
 ? Source Id: 21101028579
 ? Author Ids: 55512997500;9739222400;7006280562;7004880389
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153
 ? Corresponding: Fedeli A.

94.

? Title: Through-the-wall microwave imaging: Forward and inverse scattering modeling
 ? Venue: Sensors Switzerland
 ? Year: 2020
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 25
 ? DOI: 10.3390/s20102865
 ? Scopus ID: 2-s2.0-85085101004
 ? Issn: 14248220
 ? Volume: 20
 ? Issue: 10
 ? Authors: Fedeli Alessandro; Pastorino Matteo; Ponti Cristina; Randazzo Andrea; Schettini Giuseppe
 ? Keywords: Buried objects | Electromagnetic scattering | Inverse scattering | Microwave imaging | Through-wall radar
 ? Quartile:
 2025:
 ? Instrumentation (Q1, rank 19, percentile 90)
 ? Electrical and Electronic Engineering (Q1, rank 136, percentile 86)
 ? Atomic and Molecular Physics, and Optics (Q1, rank 36, percentile 85)
 ? Biochemistry (Q1, rank 72, percentile 84)
 ? Information Systems (Q1, rank 87, percentile 82)
 ? Analytical Chemistry (Q1, rank 30, percentile 82)
 2020:
 ? Instrumentation (Q1, rank 13, percentile 90)
 ? Electrical and Electronic Engineering (Q1, rank 135, percentile 80)
 ? Information Systems (Q1, rank 69, percentile 79)
 ? Atomic and Molecular Physics, and Optics (Q1, rank 42, percentile 78)
 ? Analytical Chemistry (Q1, rank 29, percentile 76)
 ? Biochemistry (Q2, rank 133, percentile 67)

? Source Id: 130124
? Author Ids: 55512997500;7004880389;26536362600;7006280562;7102615533
? Authoraffiliationids: 60025153;60025153;60012630;60025153;60012630
? Corresponding: Fedeli A.

95.

? Title: Variable-Exponent Lebesgue-Space Inversion for Brain Stroke Microwave Imaging
? Venue: IEEE Transactions on Microwave Theory and Techniques
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 68
? Doi: 10.1109/Tmtt.2019.2963870
? Scopus ID: 2-s2.0-85084808560
? Issn: 00189480
? eISSN: 15579670
? Volume: 68
? Issue: 5
? Pages: 1882-1895
? Authors: Bisio Igor; Estatico Claudio; Fedeli Alessandro; Lavagetto Fabio; Pastorino Matteo; Randazzo Andrea; Sciarrone Andrea
? Keywords: Brain stroke imaging | Inverse problems | Lebesgue spaces

? 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)

2020:

? Radiation (Q1, rank 3, percentile 95)
? Condensed Matter Physics (Q1, rank 38, percentile 90)
? Electrical and Electronic Engineering (Q1, rank 82, percentile 88)

? Source Id: 17366

? Author Ids:

8546192900;9739222400;55512997500;7004136693;7004880389;7006280562;36180166900

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

? Corresponding: Bisio I.

96.

? Title: A Tomographic Multistatic System for Biomedical Microwave Sensing
? Venue: 14th European Conference on Antennas and Propagation Eucap 2020
? Year: 2020

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? DOI: 10.23919/EuCAP48036.2020.9135211

? Scopus ID: 2-s2.0-85088655098

? Authors: Bisio Igor; Estatico Claudio; Fedeli Alessandro; Lavagetto Fabio; Pastorino Matteo; Randazzo Andrea; Sciarrone Andrea

? Keywords: biomedical sensing | measurement systems | Microwave imaging

? Source Id: 21101018617

? Author Ids:

8546192900;9739222400;55512997500;7004136693;7004880389;7006280562;36180166900

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

? Corresponding: Bisio I.

97.

? Title: Forward and Inverse Scattering Models Applied to Through-Wall Imaging

? Venue: 14th European Conference on Antennas and Propagation Eucap 2020
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? DOI: 10.23919/EuCAP48036.2020.9135860
? Scopus ID: 2-s2.0-85088654263
? Authors: Fedeli A.; Pastorino M.; Ponti C.; Randazzo A.; Schettini G.
? Keywords: forward electromagnetic scattering | inverse problems | microwave imaging | Through-the-wall imaging
? Source Id: 21101018617
? Author Ids: 55512997500;7004880389;26536362600;7006280562;7102615533
? Authoraffiliationids: 60025153;60025153;60012630;60025153;60025153
? Corresponding: Fedeli A.

98.

? Title: Inverse Scattering in the Framework of Unconventional Lebesgue Spaces: A Case Study
? Venue: 14th European Conference on Antennas and Propagation Eucap 2020
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.23919/EuCAP48036.2020.9135827
? Scopus ID: 2-s2.0-85088654090
? Authors: Estatico Claudio; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
? Keywords: invese scattering | Lebesgue spaces | Microwave imaging
? Source Id: 21101018617
? Author Ids: 9739222400;55512997500;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Estatico C.

99.

? Title: Microwave Imaging of Cervical Myelopathy: A Preliminary Feasibility Assessment
? Venue: 14th European Conference on Antennas and Propagation Eucap 2020
? Year: 2020
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.23919/EuCAP48036.2020.9135437
? Scopus ID: 2-s2.0-85088651069
? Authors: Dachena Chiara; Fanti Alessandro; Fedeli Alessandro; Mazzarella Giuseppe; Pastorino Matteo; Randazzo Andrea
? Keywords: cervical myelopathy | inverse problems | Microwave imaging
? Source Id: 21101018617
? Author Ids: 57206901870;36664325500;55512997500;7006097620;7004880389;7006280562
? Authoraffiliationids: 60025153;60032259;60025153;60025153;60025153;60025153
? Corresponding: Dachena C.

100.

? Title: Microwave imaging sensors
? Venue: Imaging Sensor Technologies and Applications
? Year: 2020
? Type: Book
? Subtype: Book Chapter
? Citations: 1
? Scopus ID: 2-s2.0-85114973816

? Pages: 227-252
? Authors: Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
? Source Id: 21101059071
? Author Ids: 55512997500;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Fedeli A.

101.

? Title: Microwave detection of brain injuries by means of a hybrid imaging method
? Venue: IEEE Open Journal of Antennas and Propagation
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 33
? Doi: 10.1109/Ojap.2020.3024276
? Scopus ID: 2-s2.0-85105467352
? eISSN: 26376431
? Volume: 1
? Pages: 513-523
? Authors: Fedeli Alessandro; Estatico Claudio; Pastorino Matteo; Randazzo Andrea
? Keywords: brain stroke | hybrid methods | inverse scattering | Microwave imaging
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 199, percentile 80)
? Source Id: 21101059745
? Author Ids: 55512997500;9739222400;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Fedeli A.

102.

? Title: A hybrid asymptotic-FVTD method for the estimation of the radar cross section of 3D structures
? Venue: Electronics Switzerland
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 5
? DOI: 10.3390/electronics8121388
? Scopus ID: 2-s2.0-85075458868
? eISSN: 20799292
? Volume: 8
? Issue: 12
? Authors: Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
? Keywords: Finite volume methods | Numerical simulation | Physical optics | Radar cross-section
? Quartile:
2025:
? Signal Processing (Q1, rank 36, percentile 81)
? Electrical and Electronic Engineering (Q1, rank 220, percentile 78)
? Control and Systems Engineering (Q1, rank 91, percentile 76)
? Computer Networks and Communications (Q1, rank 131, percentile 76)
? Hardware and Architecture (Q2, rank 62, percentile 73)
2019:
? Electrical and Electronic Engineering (Q3, rank 376, percentile 43)
? Computer Networks and Communications (Q3, rank 173, percentile 43)
? Control and Systems Engineering (Q3, rank 142, percentile 41)

- ? Signal Processing (Q3, rank 64, percentile 38)
 - ? Hardware and Architecture (Q3, rank 109, percentile 30)
 - ? Source Id: 21100829272
 - ? Author Ids: 55512997500;7004880389;7006280562
 - ? Authoraffiliationids: 60025153;60025153;60025153
 - ? Corresponding: Fedeli A.
- 103.
- ? Title: Feature extraction for human-vehicle classification in FMCW Radar
 - ? Venue: 2019 26th IEEE International Conference on Electronics Circuits and Systems Icecs 2019
 - ? Year: 2019
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 12
 - ? Doi: 10.1109/Icecs46596.2019.8965072
 - ? Scopus ID: 2-s2.0-85079179246
 - ? Pages: 131-132
 - ? Authors: Rizik Ali; Randazzo Andrea; Vio Roberto; Delucchi Alessandro; Chible Hussien; Caviglia Daniele D.
 - ? Keywords: 2D FFT | Doppler features | Feature extraction | FMCW radar
 - ? Source Id: 21100944554
 - ? Author Ids: 57214804817;7006280562;57214794400;57204907662;7801443090;7004012654
 - ? Authoraffiliationids: 60025153-60068774;60025153;123864795;123864795;60068774;60025153
 - ? Corresponding: Rizik A.
- 104.
- ? Title: Nonlinear inverse-scattering methods in lebesgue spaces applied to microwave imaging problems
 - ? Venue: Proceedings of the 2019 21st International Conference on Electromagnetics in Advanced Applications Iceaa 2019
 - ? Year: 2019
 - ? Type: Conference Proceeding
 - ? Subtype: Conference Paper
 - ? Citations: 0
 - ? Doi: 10.1109/Iceaa.2019.8879297
 - ? Scopus ID: 2-s2.0-85074928601
 - ? Pages: 676
 - ? Authors: Estatico C.; Fedeli A.; Pastorino M.; Randazzo A.
 - ? Source Id: 21100935204
 - ? Author Ids: 9739222400;55512997500;7004880389;7006280562
 - ? Authoraffiliationids: 60025153;60025153;60025153;60025153
 - ? Corresponding: Estatico C.
- 105.
- ? Title: Microwave imaging by means of lebesgue-space inversion: An overview
 - ? Venue: Electronics Switzerland
 - ? Year: 2019
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 38
 - ? DOI: 10.3390/electronics8090945
 - ? Scopus ID: 2-s2.0-85071979448
 - ? eISSN: 20799292
 - ? Volume: 8
 - ? Issue: 9

? Authors: Estatico Claudio; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
? Keywords: Inverse problems | Inverse scattering | Lebesgue spaces | Microwave imaging
? Quartile:
2025:
? Signal Processing (Q1, rank 36, percentile 81)
? Electrical and Electronic Engineering (Q1, rank 220, percentile 78)
? Control and Systems Engineering (Q1, rank 91, percentile 76)
? Computer Networks and Communications (Q1, rank 131, percentile 76)
? Hardware and Architecture (Q2, rank 62, percentile 73)
2019:
? Electrical and Electronic Engineering (Q3, rank 376, percentile 43)
? Computer Networks and Communications (Q3, rank 173, percentile 43)
? Control and Systems Engineering (Q3, rank 142, percentile 41)
? Signal Processing (Q3, rank 64, percentile 38)
? Hardware and Architecture (Q3, rank 109, percentile 30)
? Source Id: 21100829272
? Author Ids: 9739222400;55512997500;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Estatico C.

106.

? Title: A Field Assessment of a Rain Estimation System Based on Satellite-to-Earth Microwave Links
? Venue: IEEE Transactions on Geoscience and Remote Sensing
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 21
? Doi: 10.1109/Tgrs.2018.2878338
? Scopus ID: 2-s2.0-85057877821
? Issn: 01962892
? Volume: 57
? Issue: 5
? Pages: 2864-2875
? Authors: Colli Matteo; Stagnaro Mattia; Caridi Andrea; Lanza Luca G.; Randazzo Andrea; Pastorino Matteo; Caviglia Daniele D.; Delucchi Alessandro
? Keywords: Atmospheric measurements | attenuation measurements | geophysical measurement techniques | microwave measurements
? Quartile:
2025:
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)
2019:
? Earth and Planetary Sciences (all) (Q1, rank 5, percentile 97)
? Electrical and Electronic Engineering (Q1, rank 43, percentile 93)
? Source Id: 17360
? Author Ids: 48161076500;57192199544;57204916103;7005744799;7006280562;7004880389;7004012654;57204907662
? Authoraffiliationids: 60025153-122492693;122492693-60025153;117766650;122492693-60025153;60025153;60025153;60025153-117766650;117766650
? Corresponding: Colli M.

107.

? Title: Mapping the dielectric properties of unknown targets by using a network of microwave sensors: A proof-of-concept
? Venue: Sensors Switzerland

? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 0
? DOI: 10.3390/s19061270
? Scopus ID: 2-s2.0-85063013153
? Issn: 14248220
? Volume: 19
? Issue: 6
? Authors: Estatico Claudio; Fedeli Alessandro; Gragnani Gian Luigi; Pastorino Matteo; Randazzo Andrea
? Keywords: Inverse scattering | Microwaves | Sensor networks
? Quartile:
2025:
? Instrumentation (Q1, rank 19, percentile 90)
? Electrical and Electronic Engineering (Q1, rank 136, percentile 86)
? Atomic and Molecular Physics, and Optics (Q1, rank 36, percentile 85)
? Biochemistry (Q1, rank 72, percentile 84)
? Information Systems (Q1, rank 87, percentile 82)
? Analytical Chemistry (Q1, rank 30, percentile 82)
2019:
? Instrumentation (Q1, rank 17, percentile 87)
? Electrical and Electronic Engineering (Q1, rank 147, percentile 78)
? Information Systems (Q1, rank 70, percentile 76)
? Atomic and Molecular Physics, and Optics (Q1, rank 46, percentile 75)
? Analytical Chemistry (Q2, rank 35, percentile 71)
? Biochemistry (Q2, rank 156, percentile 61)
? Source Id: 130124
? Author Ids: 9739222400;55512997500;6701681576;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Estatico C.

108.

? Title: Microwave Imaging in Stratified Media: A Multifrequency Inverse-Scattering Approach
? Venue: 13th European Conference on Antennas and Propagation Eucap 2019
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Scopus ID: 2-s2.0-85068461515
? Authors: Estatico C.; Fedeli A.; Pastorino M.; Randazzo A.
? Keywords: buried object detection | Microwave imaging | stratified media
? Source Id: 21100915238
? Author Ids: 9739222400;55512997500;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Estatico C.

109.

? Title: Three-Dimensional Microwave Imaging by Using a Conjugate-Gradient Approach in Lp Banach Spaces
? Venue: 13th European Conference on Antennas and Propagation Eucap 2019
? Year: 2019
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0

? Scopus ID: 2-s2.0-85068445788
? Authors: Estatico C.; Fedeli A.; Pastorino M.; Randazzo A.; Tavanti E.
? Keywords: Banach spaces | conjugate gradient | inverse problems | Microwave imaging | Newton scheme
? Source Id: 21100915238
? Author Ids: 9739222400;55512997500;7004880389;7006280562;57038817000
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Estatico C.

110.

? Title: Microwave imaging of 3D dielectric structures by means of a Newton-CG method in L_p spaces
? Venue: International Journal of Antennas and Propagation
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 4
? Doi: 10.1155/2019/2841937
? Scopus ID: 2-s2.0-85073885316
? Issn: 16875869
? eISSN: 16875877
? Volume: 2019
? Authors: Estatico Claudio; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea; Tavanti Emanuele
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 379, percentile 62)
2019:
? Electrical and Electronic Engineering (Q2, rank 329, percentile 50)
? Source Id: 19700186861
? Author Ids: 9739222400;55512997500;7004880389;7006280562;57038817000
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Estatico C.

111.

? Title: A field experiment of rainfall intensity estimation based on the analysis of satellite-to-earth microwave link attenuation
? Venue: Lecture Notes in Electrical Engineering
? Year: 2019
? Type: Book Series
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1007/978-3-030-11973-7_17
? Scopus ID: 2-s2.0-85066904683
? Issn: 18761100
? eISSN: 18761119
? Volume: 550
? Issue: 9783030119720
? Pages: 137-144
? Authors: Colli M.; Stagnaro M.; Caridi A.; Lanza L. G.; Randazzo A.; Pastorino M.; Caviglia D. D.; Delucchi A.
? Quartile:
2025:
? Industrial and Manufacturing Engineering (Q4, rank 330, percentile 19)
2019:
? Industrial and Manufacturing Engineering (Q3, rank 246, percentile 27)

? Source Id: 19700186822
? Author Ids: 48161076500;57192199544;57204916103;7005744799;7006280562;7004880389;7004012654;57204907662
? Authoraffiliationids: 60025153-122676623;60025153-122676623;117766650;60025153-122676623;60025153;60025153;60025153-117766650;117766650
? Corresponding: Colli M.

112.

? Title: Microwave Sensor Network for Quantitative Characterization of Targets: A Proof-of-Concept
? Venue: Proceedings 2018 Advances in Wireless and Optical Communications Rtuwo 2018
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Rtuwo.2018.8587908
? Scopus ID: 2-s2.0-85061059494
? Pages: 246-250
? Authors: Fedeli Alessandro; Gragnani Gian Luigi; Pastorino Matteo; Randazzo Andrea
? Keywords: inverse scattering. | microwaves | Sensor networks
? Source Id: 21100897133
? Author Ids: 55512997500;6701681576;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Fedeli A.

113.

? Title: An imaging technique for brain stroke monitoring at microwaves
? Venue: Ist 2018 IEEE International Conference on Imaging Systems and Techniques Proceedings
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Ist.2018.8577144
? Scopus ID: 2-s2.0-85060708378
? Authors: Bisio Igor; Estatico Claudio; Fedeli Alessandro; Lavagetto Fabio; Pastorino Matteo; Randazzo Andrea; Sciarrone Andrea; Tavanti Emanuele
? Keywords: Banach spaces | brain stroke detection. | inverse problems | Microwave imaging
? Source Id: 21100896625
? Author Ids: 8546192900;9739222400;55512997500;7004136693;7004880389;7006280562;36180166900;57038817000
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bisio I.

114.

? Title: A Newton-conjugate-gradient method in L_p banach spaces for three-dimensional microwave imaging
? Venue: Ist 2018 IEEE International Conference on Imaging Systems and Techniques Proceedings
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Ist.2018.8577135
? Scopus ID: 2-s2.0-85060681388

? Authors: Estatico Claudio; Pastorino Alessandro Fedeli Matteo; Pastorino Matteo; Randazzo Andrea; Tavanti Emanuele
? Keywords: Banach spaces | conjugate gradient method | Imaging techniques | inverse problems | microwaves | Newton schemes
? Source Id: 21100896625
? Author Ids: 9739222400;57224553053;7004880389;7006280562;57038817000
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Estatico C.

115.

? Title: Three-Dimensional Microwave Imaging in L_p Banach Spaces: Numerical and Experimental Results
? Venue: IEEE Transactions on Computational Imaging
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 13
? Doi: 10.1109/Tci.2018.2859634
? Scopus ID: 2-s2.0-85063194227
? Issn: 25730436
? eISSN: 23339403
? Volume: 4
? Issue: 4
? Pages: 609-623
? Authors: Estatico Claudio; Pastorino Matteo; Randazzo Andrea; Tavanti Emanuele
? Keywords: dielectrics | imaging | inverse scattering | Microwaves
? Source Id: 21100854164
? Author Ids: 9739222400;7004880389;7006280562;57038817000
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Estatico C.

116.

? Title: Quantitative Microwave Imaging Method in Lebesgue Spaces with Nonconstant Exponents
? Venue: IEEE Transactions on Antennas and Propagation
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 43
? Doi: 10.1109/Tap.2018.2869201
? Scopus ID: 2-s2.0-85053131396
? Issn: 0018926x
? Volume: 66
? Issue: 12
? Pages: 7282-7284
? Authors: Estatico Claudio; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
? Keywords: Inexact-Newton method | inverse scattering | Lebesgue spaces | microwave imaging
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)
2018:
? Electrical and Electronic Engineering (Q1, rank 59, percentile 91)
? Source Id: 17337
? Author Ids: 9739222400;55512997500;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153

- ? Corresponding: Estatico C.
- 117.
- ? Title: Brain Stroke Imaging by Means of Microwave Tomography: Quantitative Inversion Procedure, Configuration Set Up, and Preliminary Experimental Results
- ? Venue: 2018 2nd Ursi Atlantic Radio Science Meeting at Rasc 2018
- ? Year: 2018
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 0
- ? Doi: 10.23919/Ursi-At-Rasc.2018.8471649
- ? Scopus ID: 2-s2.0-85055853024
- ? Authors: Bisio I.; Fedeli A.; Lavagetto F.; Mancardi G. L.; Pastorino M.; Randazzo A.; Sciarrone A.
- ? Source Id: 21100883677
- ? Author Ids: 8546192900;55512997500;7004136693;10939054400;7004880389;7006280562;36180166900
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153
- ? Corresponding: Bisio I.
- 118.
- ? Title: Comparison between Conjugate Gradient and Landweber Based Regularization Approaches in L_p Banach Spaces for Microwave Tomography
- ? Venue: 2018 2nd Ursi Atlantic Radio Science Meeting at Rasc 2018
- ? Year: 2018
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 2
- ? Doi: 10.23919/Ursi-At-Rasc.2018.8471495
- ? Scopus ID: 2-s2.0-85055812802
- ? Authors: Estatico Claudio; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
- ? Source Id: 21100883677
- ? Author Ids: 9739222400;55512997500;7004880389;7006280562
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153
- ? Corresponding: Estatico C.
- 119.
- ? Title: Microwave Imaging Method Developed in Lebesgue Spaces for Inspecting Dielectric Targets
- ? Venue: 2018 2nd Ursi Atlantic Radio Science Meeting at Rasc 2018
- ? Year: 2018
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 0
- ? Doi: 10.23919/Ursi-At-Rasc.2018.8471350
- ? Scopus ID: 2-s2.0-85055766878
- ? Authors: Estatico Claudio; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
- ? Source Id: 21100883677
- ? Author Ids: 9739222400;55512997500;7004880389;7006280562
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153
- ? Corresponding: Estatico C.
- 120.
- ? Title: Design and Experimental Test of a Microwave System for Quantitative Biomedical Imaging
- ? Venue: Memea 2018 2018 IEEE International Symposium on Medical Measurements and Applications Proceedings
- ? Year: 2018

? Type: Conference Proceeding
 ? Subtype: Conference Paper
 ? Citations: 6
 ? DOI: 10.1109/MeMeA.2018.8438599
 ? Scopus ID: 2-s2.0-85053147256
 ? Authors: Maffongelli Manuela; Poretti Samuel; Salvad^o Andrea; Monleone Ricardo; Pagnamenta Claudio; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
 ? Keywords: biomedical applications | microwave systems | nonlinear inversion
 ? Source Id: 21100876721
 ? Author Ids: 36682904800;25927504500;15623387700;15623618300;23569965500;55512997500;7004880389;7006280562
 ? Authoraffiliationids:
 60101870;60101870;60101870;60101870;60025153;60025153;60025153
 ? Corresponding: Maffongelli M.

121.

? Title: Brain stroke microwave imaging by means of a newton-conjugate-gradient method in = L p Banach Spaces
 ? Venue: IEEE Transactions on Microwave Theory and Techniques
 ? Year: 2018
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 72
 ? Doi: 10.1109/Tmtt.2018.2849060
 ? Scopus ID: 2-s2.0-85049946543
 ? Issn: 00189480
 ? Volume: 66
 ? Issue: 8
 ? Pages: 3668-3682
 ? Authors: Bisio Igor; Estatico Claudio; Fedeli Alessandro; Lavagetto Fabio; Pastorino Matteo; Randazzo Andrea; Sciarrone Andrea
 ? Keywords: Banach spaces | brain stroke detection | conjugate gradient (CG) | inverse problems | microwave imaging
 ? 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)
 2018:
 ? Radiation (Q1, rank 4, percentile 93)
 ? Condensed Matter Physics (Q1, rank 45, percentile 88)
 ? Electrical and Electronic Engineering (Q1, rank 85, percentile 87)
 ? Source Id: 17366
 ? Author Ids:
 8546192900;9739222400;55512997500;7004136693;7004880389;7006280562;36180166900
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153
 ? Corresponding: Bisio I.

122.

? Title: Microwave Tomography for the Inspection of Wood Materials: Imaging System and Experimental Results
 ? Venue: IEEE Transactions on Microwave Theory and Techniques
 ? Year: 2018
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 66

? Doi: 10.1109/Tmtt.2018.2804905
 ? Scopus ID: 2-s2.0-85042685466
 ? Issn: 00189480
 ? Volume: 66
 ? Issue: 7
 ? Pages: 3497-3510
 ? Authors: Boero Federico; Fedeli Alessandro; Lanini Matteo; Maffongelli Manuela; Monleone Ricardo; Pastorino Matteo; Randazzo Andrea; Salvad   Andrea; Sansalone Andrea
 ? Keywords: Imaging | inverse scattering | microwave systems | tomography | wood
 ? 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)
 2018:
 ? Radiation (Q1, rank 4, percentile 93)
 ? Condensed Matter Physics (Q1, rank 45, percentile 88)
 ? Electrical and Electronic Engineering (Q1, rank 85, percentile 87)
 ? Source Id: 17366
 ? Author Ids: 57200958692;55512997500;41761929500;36682904800;15623618300;7004880389;7006280562;15623387700;57200964848
 ? Authoraffiliationids:
 120302456;60025153;60101870;60101870;60101870;60025153;60025153;60101870;120302456
 ? Corresponding: Boero F.

123.

? Title: A numerical study concerning brain stroke detection by microwave imaging systems
 ? Venue: Multimedia Tools and Applications
 ? Year: 2018
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 36
 ? DOI: 10.1007/s11042-017-4867-7
 ? Scopus ID: 2-s2.0-85021268021
 ? Issn: 13807501
 ? eISSN: 15737721
 ? Volume: 77
 ? Issue: 8
 ? Pages: 9341-9363
 ? Authors: Bisio Igor; Fedeli Alessandro; Lavagetto Fabio; Pastorino Matteo; Randazzo Andrea; Sciarrone Andrea; Tavanti Emanuele
 ? Keywords: Brain stroke detection | Imaging techniques | Inverse problems | Microwave imaging
 ? Quartile:
 2025:
 ? Media Technology (Q1, rank 6, percentile 92)
 ? Computer Networks and Communications (Q1, rank 79, percentile 85)
 ? Software (Q1, rank 79, percentile 84)
 ? Hardware and Architecture (Q1, rank 39, percentile 83)
 2018:
 ? Media Technology (Q1, rank 13, percentile 82)
 ? Computer Networks and Communications (Q2, rank 110, percentile 62)
 ? Hardware and Architecture (Q2, rank 66, percentile 57)
 ? Software (Q3, rank 188, percentile 48)

? Source Id: 25627

? Author Ids:

8546192900;55512997500;7004136693;7004880389;7006280562;36180166900;57038817000

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

? Corresponding: Bisio I.

124.

? Title: Brain stroke detection by means of complex dielectric permittivity reconstruction at microwaves

? Venue: 2017 IEEE MTT S International Microwave Workshop Series on Advanced Materials and Processes for RF and Thz Applications Imws Amp 2017

? Year: 2018

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? Doi: 10.1109/Imws-Amp.2017.8247391

? Scopus ID: 2-s2.0-85045998283

? Pages: 1-3

? Authors: Bisio I.; Fedeli A.; Lavagetto F.; Pastorino M.; Randazzo A.; Sciarrone A.

? Keywords: brain stroke detection | dielectric permittivity reconstruction | inverse problems | microwave imaging

? Source Id: 21100858149

? Author Ids: 8546192900;55512997500;7004136693;7004880389;7006280562;36180166900

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

? Corresponding: Bisio I.

125.

? Title: Wood characterization by using microwave inverse scattering: Experimental results

? Venue: 2017 IEEE MTT S International Microwave Workshop Series on Advanced Materials and Processes for RF and Thz Applications Imws Amp 2017

? Year: 2018

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Imws-Amp.2017.8247389

? Scopus ID: 2-s2.0-85045980781

? Pages: 1-3

? Authors: Fedeli A.; Pastorino M.; Randazzo A.; Lanini M.; Maffongelli M.; Monleone R.

? Keywords: inverse scattering | material characterization | Microwave imaging | wood

? Source Id: 21100858149

? Author Ids: 55512997500;7004880389;7006280562;41761929500;36682904800;15623618300

? Authoraffiliationids: 60025153;60025153;60025153;60101870;60101870;60101870

? Corresponding: Fedeli A.

126.

? Title: A tomograph prototype for quantitative microwave imaging: Preliminary experimental results

? Venue: Journal of Imaging

? Year: 2018

? Type: Journal

? Subtype: Article

? Citations: 17

? DOI: 10.3390/jimaging4120139

? Scopus ID: 2-s2.0-85062263840

? eISSN: 2313433X

? Volume: 4

? Issue: 12

? Authors: Fedeli Alessandro; Maffongelli Manuela; Monleone Ricardo; Pagnamenta Claudio; Pastorino Matteo; Poretti Samuel; Randazzo Andrea; Salvad^o Andrea

? Keywords: Inverse problems | Microwave imaging | Tomography

? Quartile:

2025:

? Radiology, Nuclear Medicine and Imaging (Q1, rank 46, percentile 87)

? Computer Graphics and Computer-Aided Design (Q1, rank 24, percentile 82)

? Computer Vision and Pattern Recognition (Q1, rank 33, percentile 80)

? Electrical and Electronic Engineering (Q1, rank 202, percentile 79)

2018:

? Electrical and Electronic Engineering (Q3, rank 410, percentile 38)

? Computer Vision and Pattern Recognition (Q3, rank 52, percentile 36)

? Computer Graphics and Computer-Aided Design (Q3, rank 50, percentile 35)

? Radiology, Nuclear Medicine and Imaging (Q3, rank 201, percentile 27)

? Source Id: 21100900151

? Author Ids: 55512997500;36682904800;15623618300;23569965500;7004880389;25927504500;7006280562;15623387700

? Authoraffiliationids:

60025153;60101870;60101870;60101870;60025153;60101870;60025153;60101870

? Corresponding: Fedeli A.

127.

? 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.

128.

? 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.

129.

? Title: An inverse scattering procedure in Lebesgue spaces with non-constant exponents
? Venue: 2017 32nd General Assembly and Scientific Symposium of the International Union of Radio Science Ursi Gass 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.23919/Ursigass.2017.8105143
? Scopus ID: 2-s2.0-85046158550
? Volume: 2017-January
? Pages: 1-4
? Authors: Estatico Claudio; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
? Source Id: 21100858363
? Author Ids: 9739222400;55512997500;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Estatico C.

130.

? Title: Electromagnetic biomedical imaging in Banach spaces: A numerical case study
? Venue: 2017 32nd General Assembly and Scientific Symposium of the International Union of Radio Science Ursi Gass 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.23919/Ursigass.2017.8105127
? Scopus ID: 2-s2.0-85046147425
? Volume: 2017-January
? Pages: 1-3
? Authors: Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
? Source Id: 21100858363
? Author Ids: 55512997500;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Fedeli A.

131.

? Title: A nonlinear iterative inverse scattering procedure in L_p Banach spaces for microwave biomedical imaging
? Venue: Proceedings of the 2017 19th International Conference on Electromagnetics in Advanced Applications Iceaa 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 0
? Doi: 10.1109/Iceaa.2017.8065683
? Scopus ID: 2-s2.0-85035136063
? Pages: 1921-1924
? Authors: Bisio I.; Estatico C.; Fedeli A.; Lavagetto F.; Pastorino M.; Randazzo A.; Sciarrone A.
? Source Id: 21100840335
? Author Ids:
8546192900;9739222400;55512997500;7004136693;7004880389;7006280562;36180166900
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bisio I.

132.

? Title: Ground-penetrating radar for tree trunk investigation
? Venue: 2017 9th International Workshop on Advanced Ground Penetrating Radar Iwagpr 2017 Proceedings
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Doi: 10.1109/Iwagpr.2017.7996079
? Scopus ID: 2-s2.0-85028536195
? Authors: Jezova Jana; Lambot Sebastien; Fedeli Alessandro; Randazzo Andrea
? Source Id: 21100828696
? Author Ids: 57190184444;6602626321;55512997500;7006280562
? Authoraffiliationids: 60000874;60000874;60025153;60025153
? Corresponding: Jezova J.

133.

? Title: Preliminary assessment of an Lp Banach-space inversion approach for through-The-wall imaging
? Venue: 2017 IEEE Conference on Antenna Measurements and Applications Cama 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Cama.2017.8273391
? Scopus ID: 2-s2.0-85046267253
? Volume: 2018-January
? Pages: 167-169
? Authors: Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea; Todella Silvio
? Keywords: Banach spaces | Inverse problems | Through-The-wall imaging
? Source Id: 21101179609
? Author Ids: 55512997500;7004880389;7006280562;57201862132
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Fedeli A.

134.

? Title: Microwave data inversion in hemorrhagic brain stroke imaging: A Newton-conjugate-gradient based approach in Lp Banach spaces (Invited paper)
? Venue: 2017 IEEE Conference on Antenna Measurements and Applications Cama 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Cama.2017.8273423
? Scopus ID: 2-s2.0-85046247707

? Volume: 2018-January
? Pages: 275-278
? Authors: Bisio Igor; Fedeli Alessandro; Lavagetto Fabio; Pastorino Matteo; Randazzo Andrea; Sciarrone Andrea; Estatico Claudio
? Keywords: Banach spaces | Brain stroke detection | Inverse problems | Microwave imaging
? Source Id: 21101179609
? Author Ids:
8546192900;55512997500;7004136693;7004880389;7006280562;36180166900;9739222400
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Bisio I.

135.

? Title: Three-dimensional electromagnetic imaging of dielectric targets by means of the multiscaling inexact-Newton method
? Venue: Journal of the Optical Society of America A Optics and Image Science and Vision
? Year: 2017
? Type: Journal
? Subtype: Article
? Citations: 25
? Doi: 10.1364/Josaa.34.001119
? Scopus ID: 2-s2.0-85021665187
? Issn: 10847529
? eISSN: 15208532
? Volume: 34
? Issue: 7
? Pages: 1119-1131
? Authors: Salucci Marco; Oliveri Giacomo; Anselmi Nicola; Viani Federico; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
? Quartile:
2025:
? Computer Vision and Pattern Recognition (Q2, rank 78, percentile 54)
? Atomic and Molecular Physics, and Optics (Q3, rank 134, percentile 43)
? Electronic, Optical and Magnetic Materials (Q3, rank 180, percentile 41)
2017:
? Computer Vision and Pattern Recognition (Q2, rank 23, percentile 70)
? Electronic, Optical and Magnetic Materials (Q2, rank 71, percentile 68)
? Atomic and Molecular Physics, and Optics (Q2, rank 55, percentile 67)
? Source Id: 12320
? Author Ids:
54387549100;6701615935;55749784900;23092071900;55512997500;7004880389;7006280562
? Authoraffiliationids:
60015986;60015986-60007136;60015986;60015986;60025153;60025153;60025153
? Corresponding: Salucci M.

136.

? Title: Feasibility assessment of a Banach-space inversion procedure for biomedical applications
? Venue: 2017 11th European Conference on Antennas and Propagation Eucap 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.23919/EuCAP.2017.7928247
? Scopus ID: 2-s2.0-85020216525

? Pages: 677-681
? Authors: Estatico C.; Fedeli A.; Pastorino M.; Randazzo A.
? Keywords: Banach spaces | brain stroke detection | inverse problems | Microwave imaging
? Source Id: 21100817591
? Author Ids: 9739222400;55512997500;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Estatico C.

137.

? Title: Numerical analysis of the performance of a multi-frequency inversion scheme for subsurface prospection
? Venue: 2017 11th European Conference on Antennas and Propagation Eucap 2017
? Year: 2017
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.23919/EuCAP.2017.7928228
? Scopus ID: 2-s2.0-85020163234
? Pages: 1718-1722
? Authors: Fedeli A.; Pastorino M.; Randazzo A.
? Keywords: Banach spaces | Buried object detection | electromagnetic imaging | inverse problems
? Source Id: 21100817591
? Author Ids: 55512997500;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Fedeli A.

138.

? 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
? Corresponding: Bisio I.

139.

? 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.
140.
 ? Title: Mobile smart helmet for brain stroke early detection through neural network-based signals analysis
 ? Venue: Proceedings IEEE Global Communications Conference Globecom
 ? Year: 2017
 ? Type: Conference Proceeding
 ? Subtype: Conference Paper
 ? Citations: 6
 ? Doi: 10.1109/Glocom.2017.8255029
 ? Scopus ID: 2-s2.0-85046449869
 ? Issn: 23340983
 ? eISSN: 25766813
 ? Volume: 2018-January
 ? Pages: 1-6
 ? Authors: Bisio Igor; Fedeli Alessandro; Lavagetto Fabio; Pastorino Matteo; Randazzo Andrea; Sciarrone Andrea; Tavanti Emanuele
 ? Quartile:
 2025:
 ? Signal Processing (Q2, rank 90, percentile 54)
 ? Computer Networks and Communications (Q2, rank 260, percentile 52)
 ? Artificial Intelligence (Q3, rank 262, percentile 47)
 ? Hardware and Architecture (Q3, rank 129, percentile 45)
 ? Source Id: 21101199922
 ? Author Ids:
 8546192900;55512997500;7004136693;7004880389;7006280562;36180166900;57038817000
 ? Authoraffiliationids:
 60025153-60015024;60025153;60025153;60025153;60025153;60025153;60025153
 ? Corresponding: Bisio I.
141.
 ? Title: Advanced inversion techniques for ground penetrating radar
 ? Venue: Journal of Telecommunications and Information Technology
 ? Year: 2017
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 6
 ? DOI: 10.26636/jtit.2017.119717
 ? Scopus ID: 2-s2.0-85030681774
 ? Issn: 15094553
 ? eISSN: 18998852
 ? Volume: 2017
 ? Issue: 3
 ? Pages: 37-42
 ? Authors: Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
 ? Keywords: Electromagnetic scattering | Ground Penetrating Radar | Inverse problems
 ? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 515, percentile 48)

? Computer Networks and Communications (Q3, rank 285, percentile 47)

2017:

? Electrical and Electronic Engineering (Q3, rank 455, percentile 31)

? Computer Networks and Communications (Q3, rank 199, percentile 28)

? Source Id: 21100229111

? Author Ids: 55512997500;7004880389;7006280562

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Fedeli A.

142.

? 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.

143.

? Title: Brain stroke detection by microwave imaging systems: Preliminary two-dimensional numerical simulations

? Venue: Ist 2016 2016 IEEE International Conference on Imaging Systems and Techniques Proceedings

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 9

? Doi: 10.1109/Ist.2016.7738246

? Scopus ID: 2-s2.0-85004000433

? Pages: 330-334

? Authors: Bisio I.; Fedeli A.; Lavagetto F.; Luzzati G.; Pastorino M.; Randazzo A.; Tavanti E.

? Keywords: brain stroke detection | imaging techniques | inverse problems | Microwave imaging

? Source Id: 21100788403

? Author Ids:

8546192900;55512997500;7004136693;55372214300;7004880389;7006280562;57038817000

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

? Corresponding: Bisio I.

144.

? Title: Microwave imaging systems: Three-dimensional reconstructions of dielectric targets

? 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.2016.7738283
 ? Scopus ID: 2-s2.0-85003956493
 ? Pages: 532-536
 ? Authors: Estatico Claudio; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea; Tavanti Emanuele
 ? Keywords: Banach-space regularization | inexact-Newton scheme | inverse problems | Microwave imaging
 ? Source Id: 21100788403
 ? Author Ids: 9739222400;55512997500;7004880389;7006280562;57038817000
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
 ? Corresponding: Estatico C.
145.
 ? Title: Phaseless tomographic inverse scattering in Banach spaces
 ? Venue: Journal of Physics Conference Series
 ? Year: 2016
 ? Type: Conference Proceeding
 ? Subtype: Conference Paper
 ? Citations: 2
 ? Doi: 10.1088/1742-6596/756/1/012010
 ? Scopus ID: 2-s2.0-84994504423
 ? Issn: 17426588
 ? eISSN: 17426596
 ? Volume: 756
 ? Issue: 1
 ? Authors: Estatico C.; Fedeli A.; Pastorino M.; Randazzo A.; Tavanti E.
 ? Quartile:
 2025:
 ? Physics and Astronomy (all) (Q4, rank 192, percentile 22)
 2016:
 ? Physics and Astronomy (all) (Q3, rank 154, percentile 25)
 ? Source Id: 130053
 ? Author Ids: 9739222400;55512997500;7004880389;7006280562;57038817000
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
 ? Corresponding: Estatico C.
146.
 ? Title: Experimental analysis of dielectric structures with a two-step electromagnetic imaging method
 ? Venue: 2016 Ursi International Symposium on Electromagnetic Theory Emts 2016
 ? Year: 2016
 ? Type: Conference Proceeding
 ? Subtype: Conference Paper
 ? Citations: 0
 ? Doi: 10.1109/Ursi-Emts.2016.7571298
 ? Scopus ID: 2-s2.0-84992146842
 ? Pages: 13-15
 ? Authors: Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea; Poretti Samuel; Monleone Ricardo; Salvade Andrea
 ? Source Id: 21100782626
 ? Author Ids: 55512997500;7004880389;7006280562;25927504500;15623618300;15623387700
 ? Authoraffiliationids: 60025153;60025153;60025153;60101870;60101870;60101870

? Corresponding: Fedeli A.

147.

? Title: A three-dimensional microwave imaging approach based on a Lp Banach space inversion procedure

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

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/URSI-EMTS.2016.7571337

? Scopus ID: 2-s2.0-84992125262

? Pages: 148-151

? Authors: Estatico Claudio; Pastorino Matteo; Randazzo Andrea; Tavanti Emanuele

? Source Id: 21100782626

? Author Ids: 9739222400;7004880389;7006280562;57038817000

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Estatico C.

148.

? Title: Alphabet CS for inverse scattering

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

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/URSI-EMTS.2016.7571335

? Scopus ID: 2-s2.0-84992104370

? Pages: 141-143

? Authors: Anselmi Nicola; Poli Lorenzo; Randazzo Andrea; Oliveri Giacomo

? Source Id: 21100782626

? Author Ids: 55749784900;35190999400;7006280562;6701615935

? Authoraffiliationids: 60015986;60015986;60025153;60015986

? Corresponding: Anselmi N.

149.

? Title: Multi-resolution approaches for GPR-data inversion

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

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/URSI-EMTS.2016.7571299

? Scopus ID: 2-s2.0-84992036369

? Pages: 16-18

? Authors: Salucci Marco; Tenuti Lorenza; Randazzo Andrea; Rocca Paolo

? Source Id: 21100782626

? Author Ids: 54387549100;55758048000;7006280562;22035972900

? Authoraffiliationids: 60007136-60015986;60015986;60025153;60015986

? Corresponding: Salucci M.

150.

? 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.

151.

? Title: A two-step multifrequency imaging technique for ground penetrating radar
? Venue: 2016 10th European Conference on Antennas and Propagation EuCAP 2016
? Year: 2016
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.1109/EuCAP.2016.7482009
? Scopus ID: 2-s2.0-84979238821
? Authors: Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
? Keywords: buried objects | electromagnetic imaging | ground penetrating radar | Newton methods
? Source Id: 21100469367
? Author Ids: 55512997500;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Fedeli A.

152.

? Title: A Banach Space Regularization Approach for Multifrequency Microwave Imaging
? Venue: International Journal of Antennas and Propagation
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 18
? Doi: 10.1155/2016/9304371
? Scopus ID: 2-s2.0-84964066487
? Issn: 16875869
? eISSN: 16875877
? Volume: 2016
? Authors: Estatico Claudio; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
? Quartile:
2025:
? Electrical and Electronic Engineering (Q2, rank 379, percentile 62)

2016:

? Electrical and Electronic Engineering (Q2, rank 283, percentile 56)

? Source Id: 19700186861

? Author Ids: 9739222400;55512997500;7004880389;7006280562

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Estatico C.

153.

? Title: A multifrequency Banach-space inversion method for ground penetrating radar imaging

? Venue: 2015 European Radar Conference Eurad 2015 Proceedings

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? DOI: 10.1109/EuRAD.2015.7346278

? Scopus ID: 2-s2.0-84962859653

? Pages: 225-228

? Authors: Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea; Estatico Claudio

? Keywords: Banach spaces | Electromagnetic propagation | Ground penetrating radar | Microwave imaging | Newton method

? Source Id: 21100455483

? Author Ids: 55512997500;7004880389;7006280562;9739222400

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Fedeli A.

154.

? Title: Nonlinear electromagnetic inverse scattering in via Frozen or Broyden update of the Fréchet derivative

? Venue: Journal of Physics Conference Series

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1088/1742-6596/657/1/012008

? Scopus ID: 2-s2.0-84953265905

? Issn: 17426588

? eISSN: 17426596

? Volume: 657

? Issue: 1

? Authors: Tavanti E.; Estatico C.; Fedeli A.; Pastorino M.; Randazzo A.

? Quartile:

2025:

? Physics and Astronomy (all) (Q4, rank 192, percentile 22)

2015:

? Physics and Astronomy (all) (Q4, rank 156, percentile 22)

? Source Id: 130053

? Author Ids: 57038817000;9739222400;55512997500;7004880389;7006280562

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

? Corresponding: Tavanti E.

155.

? Title: Three-dimensional microwave imaging through a multi-zooming Inexact-Newton approach

? Venue: IEEE Antennas and Propagation Society AP S International Symposium Digest

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Aps.2015.7305038
? Scopus ID: 2-s2.0-84953729280
? Issn: 15223965
? Volume: 2015-October
? Pages: 1298-1299
? Authors: Salucci M.; Oliveri G.; Viani F.; Massa A.; Randazzo A.; Pastorino M.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q4, rank 853, percentile 14)
2015:
? Electrical and Electronic Engineering (Q3, rank 491, percentile 25)
? Source Id: 18719
? Author Ids: 54387549100;6701615935;23092071900;7005085831;7006280562;7004880389
? Authoraffiliationids:
60015986-60007136;60015986;60015986;60015986-60007136;60025153;60025153
? Corresponding: Salucci M.

156.

? 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.

157.

? Title: Microwave imaging of dielectric targets by means of an inexact-Newton method in L_p Banach spaces and multifrequency processing
? 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.2015.7302953
? Scopus ID: 2-s2.0-84959454424
? Authors: Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
? Source Id: 21100448536
? Author Ids: 55512997500;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Fedeli A.

158.

? Title: Multi-focusing inexact-Newton method for three-dimensional microwave imaging
? 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.2015.7297205
? Scopus ID: 2-s2.0-84955502332
? Pages: 712-715
? Authors: Salucci M.; Tenuti L.; Fedeli A.; Randazzo A.
? Keywords: Dielectrics | Image reconstruction | Microwave antennas | Microwave imaging
| Microwave theory and techniques
? Source Id: 21100440505
? Author Ids: 54387549100;55758048000;55512997500;7006280562
? Authoraffiliationids: 60015986;60015986;60025153;60025153
? Corresponding: Salucci M.

159.

? 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.

160.

? Title: A hybrid FVTD-PO approach for the characterization of antennas on large
platforms in naval applications
? Venue: Mts IEEE Oceans 2015 Genova Discovering Sustainable Ocean Energy for A New
World
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.1109/OCEANS-Genova.2015.7271689
? Scopus ID: 2-s2.0-84957705598
? Authors: Cerruti Matteo; Pastorino Matteo; Randazzo Andrea
? Keywords: electromagnetic scattering | finite-volume timedomain method | physical
optics | Time domain electromagnetics
? Source Id: 21100444318
? Author Ids: 56166539200;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Cerruti M.

161.

? Title: A radar cross section and radar performance evaluation tool for the early
stage ship design (ESSD) phase
? Venue: Mts IEEE Oceans 2015 Genova Discovering Sustainable Ocean Energy for A New
World

? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? DOI: 10.1109/OCEANS-Genova.2015.7271580
? Scopus ID: 2-s2.0-84957687191
? Authors: Cerruti Matteo; Pastorino Matteo; Randazzo Andrea; Perra Francesco; Guagnano Aldo
? Keywords: Electromagnetic scattering | Radar Cross Section | Radar performances | Ship Synthesis Model
? Source Id: 21100444318
? Author Ids: 56166539200;7004880389;7006280562;55344075500;55344026400
? Authoraffiliationids: 60025153;60025153;60025153;113018194;113018194
? Corresponding: Cerruti M.

162.

? Title: A multifrequency inexact-Newton method in L_p banach spaces for buried objects detection
? Venue: IEEE Transactions on Antennas and Propagation
? Year: 2015
? Type: Journal
? Subtype: Article
? Citations: 62
? Doi: 10.1109/Tap.2015.2446995
? Scopus ID: 2-s2.0-84940977791
? Issn: 0018926x
? Volume: 63
? Issue: 9
? Pages: 4198-4204
? Authors: Estatico Claudio; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
? Keywords: Banach spaces | Buried object detection | Electromagnetic scattering inverse problems | Newton method
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)
2015:
? Subject (Q1, rank 36, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 62, percentile 90)
? Source Id: 17337
? Author Ids: 9739222400;55512997500;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Estatico C.

163.

? Title: Quantitative microwave imaging in L_p Banach spaces: A numerical assessment
? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/I2mtc.2015.7151599
? Scopus ID: 2-s2.0-84938839803
? Issn: 10915281
? Volume: 2015-July
? Pages: 2055-2060
? Authors: Fedeli A.; Pastorino M.; Randazzo A.

? Keywords: Dielectrics | Imaging measurement | Inverse problems | Microwave imaging | Newton methods

? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 634, percentile 36)

2015:

? Electrical and Electronic Engineering (Q3, rank 402, percentile 39)

? Source Id: 15045

? Author Ids: 55512997500;7004880389;7006280562

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Fedeli A.

164.

? Title: Preliminary test of a prototype of microwave axial tomograph for medical applications

? Venue: 2015 IEEE International Symposium on Medical Measurements and Applications Memea 2015 Proceedings

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 8

? DOI: 10.1109/MeMeA.2015.7145170

? Scopus ID: 2-s2.0-84939479842

? Pages: 46-51

? Authors: Maffongelli Manuela; Poretti Samuel; Salvade Andrea; Monleone Ricardo D.; Meani Francesco; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea

? Keywords: Biomedical imaging | breast cancer | electromagnetic scattering | microwave imaging

? Source Id: 21100403809

? Author Ids: 36682904800;25927504500;15623387700;15623618300;57193555494;55512997500;7004880389;7006280562

? Authoraffiliationids:

60101870;60101870;60101870;60101870;127247793;60025153;60025153;60025153

? Corresponding: Maffongelli M.

165.

? Title: Hybrid microwave approach for phaseless imaging of dielectric targets

? Venue: IEEE Geoscience and Remote Sensing Letters

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 17

? Doi: 10.1109/Lgrs.2014.2364077

? Scopus ID: 2-s2.0-84920987059

? Issn: 1545598x

? Volume: 12

? Issue: 4

? Pages: 851-854

? Authors: Costanzo Sandra; Di Massa Giuseppe; Pastorino Matteo; Randazzo Andrea

? Keywords: Imaging | inverse scattering | microwaves | Phase retrieval

? Quartile:

2025:

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

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

2015:

? Geotechnical Engineering and Engineering Geology (Q1, rank 7, percentile 96)

? Electrical and Electronic Engineering (Q1, rank 89, percentile 86)
? Source Id: 17259
? Author Ids: 14029886000;57201738411;7004880389;7006280562
? Authoraffiliationids: 60020261;60020261;60025153;60025153
? Corresponding: Costanzo S.

166.

? 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.

167.

? 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.

168.

? Title: A Banach-space multifrequency imaging approach for electromagnetic subsurface sensing

? Venue: Mediterranean Microwave Symposium

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Mms.2015.7375371

? Scopus ID: 2-s2.0-84962636475

? Issn: 21579822

? eISSN: 21579830

? Volume: 2015-January

? Authors: Estatico Claudio; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea; Tavanti Emanuele

? Keywords: Banach spaces | Electromagnetic propagation | Microwave imaging | Multifrequency processing | Subsurface sensing

? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 604, percentile 39)

? Source Id: 20600195647

? Author Ids: 9739222400;55512997500;7004880389;7006280562;57038817000

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

? Corresponding: Estatico C.

169.

? Title: A microwave tomographic system for wood characterization in the forest products industry

? Venue: Wood Material Science and Engineering

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 38

? Doi: 10.1080/17480272.2014.898696

? Scopus ID: 2-s2.0-84924306554

? Issn: 17480272

? eISSN: 17480280

? Volume: 10

? Issue: 1

? Pages: 75-85

? Authors: Pastorino Matteo; Randazzo Andrea; Fedeli Alessandro; Salvad   Andrea; Poretti Samuel; Maffongelli Manuela; Monleone Ricardo; Lanini Matteo

? Keywords: inverse problems | microwave imaging | tomography | Wood industry

? Quartile:

2025:

? Materials Science (all) (Q2, rank 169, percentile 63)

2015:

? Materials Science (all) (Q3, rank 236, percentile 46)

? Source Id: 8700153309

? Author Ids: 7004880389;7006280562;55512997500;15623387700;25927504500;36682904800;15623618300;41761929500

? Authoraffiliationids:

60025153;60025153;60025153;60101870;60101870;60101870;60101870;60101870

? Corresponding: Pastorino M.

170.

? Title: Buried object detection by means of a L_p Banach-space inversion procedure

? Venue: Radio Science

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 30

? Doi: 10.1002/2014rs005542

? Scopus ID: 2-s2.0-84923284693

? Issn: 00486604

? eISSN: 1944799X

? Volume: 50

? Issue: 1

? Pages: 41-51

? Authors: Estatico Claudio; Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea

? Keywords: buried object detection | electromagnetic imaging | inexact Newton algorithm | inverse problems

? 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)

2015:

? Earth and Planetary Sciences (all) (Q1, rank 35, percentile 79)

? Electrical and Electronic Engineering (Q1, rank 159, percentile 75)

? Condensed Matter Physics (Q2, rank 133, percentile 66)

? Source Id: 28580

? Author Ids: 9739222400;55512997500;7004880389;7006280562

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Estatico C.

171.

? Title: Electromagnetic subsurface prospecting by a fully nonlinear multifocusing inexact Newton method

? Venue: Journal of the Optical Society of America A Optics and Image Science and Vision

? Year: 2014

? Type: Journal

? Subtype: Article

? Citations: 24

? Doi: 10.1364/Josaa.31.002618

? Scopus ID: 2-s2.0-84942371960

? Issn: 10847529

? eISSN: 15208532

? Volume: 31

? Issue: 12

? Pages: 2618-2629

? Authors: Salucci Marco; Oliveri Giacomo; Randazzo Andrea; Pastorino Matteo; Massa Andrea

? Quartile:

2025:

? Computer Vision and Pattern Recognition (Q2, rank 78, percentile 54)

? Atomic and Molecular Physics, and Optics (Q3, rank 134, percentile 43)

? Electronic, Optical and Magnetic Materials (Q3, rank 180, percentile 41)

2014:

? Electronic, Optical and Magnetic Materials (Q2, rank 57, percentile 72)

? Atomic and Molecular Physics, and Optics (Q2, rank 44, percentile 72)

? Computer Vision and Pattern Recognition (Q2, rank 22, percentile 66)

? Source Id: 12320

? Author Ids: 54387549100;6701615935;7006280562;7004880389;7005085831

? Authoraffiliationids: 60015986;60015986;60025153;60025153;60015986-60007136

? Corresponding: Salucci M.

172.

? Title: FVTD-based analysis of brain stroke response in microwave imaging systems

? Venue: Ist 2014 2014 IEEE International Conference on Imaging Systems and Techniques Proceedings

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Ist.2014.6958511

? Scopus ID: 2-s2.0-84916626652

? Pages: 392-397

? Authors: Cerruti Matteo; Pastorino Matteo; Randazzo Andrea

? Keywords: Brain stroke detection | Finite-Volume Time-Domain method | Microwave imaging

? Source Id: 21100349566

? Author Ids: 56166539200;7004880389;7006280562

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Cerruti M.

173.

? 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.

174.

? Title: A numerical analysis concerning microwave imaging in L_p Banach spaces by using an inexact Newton method

? Venue: Ist 2014 2014 IEEE International Conference on Imaging Systems and Techniques Proceedings

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Ist.2014.6958437

? Scopus ID: 2-s2.0-84916599108
? Pages: 11-16
? Authors: Estatico C.; Fedeli A.; Pastorino M.; Randazzo A.
? Keywords: Banach spaces | Inverse problems | Iterative algorithms | Microwave imaging
| Newton method
? Source Id: 21100349566
? Author Ids: 9739222400;55512997500;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Estatico C.

175.

? Title: Experimental validation of a novel Gauss-Newton inversion method for microwave tomographic imaging
? Venue: 2014 31th URSI General Assembly and Scientific Symposium URSI GASS 2014
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/URSIGASS.2014.6929057
? Scopus ID: 2-s2.0-84919725108
? Authors: Fedeli Alessandro; Pastorino Matteo; Randazzo Andrea
? Source Id: 21100357902
? Author Ids: 55512997500;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Fedeli A.

176.

? 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.

177.

? Title: Electromagnetic subsurface prospecting by a multifocusing inexact Newton method within the second-order Born approximation
? Venue: Journal of the Optical Society of America A Optics and Image Science and Vision
? Year: 2014
? Type: Journal

? Subtype: Article
? Citations: 35
? Doi: 10.1364/Josaa.31.001167
? Scopus ID: 2-s2.0-84902278493
? Issn: 10847529
? eISSN: 15208532
? Volume: 31
? Issue: 6
? Pages: 1167-1179
? Authors: Salucci Marco; Oliveri Giacomo; Randazzo Andrea; Pastorino Matteo; Massa Andrea
? Quartile:
2025:
? Computer Vision and Pattern Recognition (Q2, rank 78, percentile 54)
? Atomic and Molecular Physics, and Optics (Q3, rank 134, percentile 43)
? Electronic, Optical and Magnetic Materials (Q3, rank 180, percentile 41)
2014:
? Electronic, Optical and Magnetic Materials (Q2, rank 57, percentile 72)
? Atomic and Molecular Physics, and Optics (Q2, rank 44, percentile 72)
? Computer Vision and Pattern Recognition (Q2, rank 22, percentile 66)
? Source Id: 12320
? Author Ids: 54387549100;6701615935;7006280562;7004880389;7005085831
? Authoraffiliationids: 60015986;60015986;60025153;60025153;60015986
? Corresponding: Salucci M.

178.

? Title: Microwave imaging of dielectric targets by using the inexact-Newton method: A short review
? Venue: 2014 IEEE Conference on Antenna Measurements and Applications Cama 2014
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Cama.2014.7003373
? Scopus ID: 2-s2.0-84946531247
? Authors: Pastorino Matteo; Randazzo Andrea
? Source Id: 21100369076
? Author Ids: 7004880389;7006280562
? Authoraffiliationids: 60025153;60025153
? Corresponding: Pastorino M.

179.

? Title: A Trainingless WiFi fingerprint positioning approach over mobile devices
? Venue: IEEE Antennas and Wireless Propagation Letters
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 89
? Doi: 10.1109/Lawp.2014.2316973
? Scopus ID: 2-s2.0-85018961542
? Issn: 15361225
? Volume: 13
? Pages: 832-835
? Authors: Bisio Igor; Cerruti Matteo; Lavagetto Fabio; Marchese Mario; Pastorino Matteo; Randazzo Andrea; Sciarrone Andrea
? Keywords: Electromagnetic propagation | fingerprinting | finite-difference time-

domain method | indoor positioning

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 180, percentile 82)

2014:

? Electrical and Electronic Engineering (Q1, rank 89, percentile 86)

? Source Id: 18894

? Author Ids:

8546192900;56166539200;7004136693;7004398165;7004880389;7006280562;36180166900

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

? Corresponding: Bisio I.

180.

? 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.

181.

? 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.

182.

? Title: An inverse scattering approach for inspecting dielectric scatterers at microwave frequencies without phase information
? 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.2013.6729728
? Scopus ID: 2-s2.0-84894483620
? Pages: 392-397
? Authors: Costanzo Sandra; Di Massa Giuseppe; Pastorino Matteo; Randazzo Andrea
? Keywords: dielectrics | Electromagnetic imaging | inverse scattering | phase retrieval
? Source Id: 21100286952
? Author Ids: 14029886000;57201738411;7004880389;7006280562
? Authoraffiliationids: 60020261;60020261;60025153;60025153
? Corresponding: Costanzo S.

183.

? 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.

184.

? Title: Detection of subsurface metallic utilities by means of a SAP technique: Comparing MUSIC- and SVM-based approaches
? Venue: Journal of Applied Geophysics
? Year: 2013
? Type: Journal
? Subtype: Article
? Citations: 27
? DOI: 10.1016/j.jappgeo.2013.01.011
? Scopus ID: 2-s2.0-84884418877
? Issn: 09269851
? Volume: 97
? Pages: 60-68
? Authors: Meschino Simone; Pajewski Lara; Pastorino Matteo; Randazzo Andrea; Schettini Giuseppe
? Keywords: Buried object detection | Direction of arrival estimation | Electromagnetic

scattering | Smart antennas | Sub-array processing

? Quartile:

2025:

? Geophysics (Q2, rank 49, percentile 72)

2013:

? Geophysics (Q2, rank 40, percentile 57)

? Source Id: 28435

? Author Ids: 35230538700;12344632700;7004880389;7006280562;7102615533

? Authoraffiliationids: 60012630;60012630;60025153;60025153;60012630

? Corresponding: Meschino S.

185.

? Title: Microwave imaging of three-dimensional targets by means of an inexact-newton-based inversion algorithm

? Venue: International Journal of Antennas and Propagation

? Year: 2013

? Type: Journal

? Subtype: Article

? Citations: 15

? Doi: 10.1155/2013/407607

? Scopus ID: 2-s2.0-84884229973

? Issn: 16875869

? eISSN: 16875877

? Volume: 2013

? Authors: Estatico Claudio; Pastorino Matteo; Randazzo Andrea

? Quartile:

2025:

? Electrical and Electronic Engineering (Q2, rank 379, percentile 62)

2013:

? Electrical and Electronic Engineering (Q3, rank 361, percentile 42)

? Source Id: 19700186861

? Author Ids: 9739222400;7004880389;7006280562

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Estatico C.

186.

? Title: Imaging buried objects within the second-order Born approximation through a multiresolution-regularized inexact-Newton method

? Venue: 2013 International Symposium on Electromagnetic Theory Emts 2013 Proceedings

? Year: 2013

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 10

? Scopus ID: 2-s2.0-84883260718

? Pages: 116-118

? Authors: Salucci Marco; Sartori Davide; Anselmi Nicola; Randazzo Andrea; Oliveri Giacomo; Massa Andrea

? Source Id: 21100255412

? Author Ids: 54387549100;55840178500;55749784900;7006280562;6701615935;7005085831

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

? Corresponding: Salucci M.

187.

? Title: Electromagnetic imaging of dielectric targets by using a tomographic systems

? Venue: 2013 International Symposium on Electromagnetic Theory Emts 2013 Proceedings

? Year: 2013

? Type: Conference Proceeding

? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-84883241724
? Pages: 127-130
? Authors: Pastorino Matteo; Randazzo Andrea; Monleone Ricardo; Salvade Andrea; Poretti Samuel; Maffongelli Manuela
? Source Id: 21100255412
? Author Ids: 7004880389;7006280562;15623618300;15623387700;25927504500;36682904800
? Authoraffiliationids: 60025153;60025153;60101870;60101870;60101870;60101870
? Corresponding: Pastorino M.

188.

? Title: Buried object detection by means of a Lp Banach-space inversion procedure
? Venue: 2013 International Symposium on Electromagnetic Theory Emts 2013 Proceedings
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Scopus ID: 2-s2.0-84883219311
? Pages: 131-134
? Authors: Estatico C.; Pastorino M.; Randazzo A.
? Source Id: 21100255412
? Author Ids: 9739222400;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Estatico C.

189.

? Title: Phaseless imaging of dielectric scatterers-Preliminary experimental results
? Venue: 2013 7th European Conference on Antennas and Propagation Eucap 2013
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Scopus ID: 2-s2.0-84881305095
? Pages: 3852-3855
? Authors: Costanzo Sandra; Borgia Antonio; Di Massa Giuseppe; Pastorino Matteo; Randazzo Andrea
? Keywords: dielectrics | inverse scattering | microwaves | phase retrieval
? Source Id: 21100248815
? Author Ids: 14029886000;25638513000;57201738411;7004880389;7006280562
? Authoraffiliationids: 60020261;60020261;60020261;60025153;60025153
? Corresponding: Costanzo S.

190.

? Title: Microwave imaging of elliptically shaped dielectric cylinders by means of an Lp Banach-space inversion algorithm
? Venue: Measurement Science and Technology
? Year: 2013
? Type: Journal
? Subtype: Article
? Citations: 18
? Doi: 10.1088/0957-0233/24/7/074017
? Scopus ID: 2-s2.0-84879915479
? Issn: 09570233
? eISSN: 13616501
? Volume: 24
? Issue: 7

? Authors: Estatico C.; Fedeli A.; Pastorino M.; Randazzo A.
? Quartile:
2025:
? Applied Mathematics (Q1, rank 109, percentile 83)
? Instrumentation (Q2, rank 48, percentile 74)
? Engineering (miscellaneous) (Q2, rank 81, percentile 71)
2013:
? Applied Mathematics (Q1, rank 74, percentile 81)
? Instrumentation (Q1, rank 20, percentile 79)
? Source Id: 15526
? Author Ids: 9739222400;55512997500;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Estatico C.

191.

? Title: Microwave and millimeter-wave sensors, systems, and techniques for electromagnetic imaging and materials characterization
? Venue: International Journal of Microwave Science and Technology
? Year: 2012
? Type: Journal
? Subtype: Editorial
? Citations: 3
? Doi: 10.1155/2012/132136
? Scopus ID: 2-s2.0-84871376900
? Issn: 16875826
? eISSN: 16875834
? Authors: Randazzo Andrea; Donnell Kristen M.; Lee Yeou Song
? Quartile:
2012:
? Electrical and Electronic Engineering (Q4, rank 567, percentile 7)
? Radiation (Q4, rank 39, percentile 3)
? Condensed Matter Physics (Q4, rank 374, percentile 3)
? Source Id: 19900193584
? Author Ids: 7006280562;36550052000;8396155200
? Authoraffiliationids: 60025153;60146648;60102370
? Corresponding: Randazzo A.

192.

? Title: Imaging of dielectric targets with metallic inclusions by means of a prototype of microwave axial tomograph
? Venue: Ist 2012 2012 IEEE International Conference on Imaging Systems and Techniques Proceedings
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Ist.2012.6295493
? Scopus ID: 2-s2.0-84870699668
? Pages: 223-227
? Authors: Salvad  A.; Monleone R.; Massimini A.; Poretti S.; Maffongelli M.; Pastorino M.; Randazzo A.
? Keywords: Imaging Systems | Inverse Problems | Microwave Sensor | Microwave Tomography | Nondestructive Testing
? Source Id: 21100222924
? Author Ids:
15623387700;15623618300;36682957200;25927504500;36682904800;7004880389;7006280562

? Authoraffiliationids: 60101870;60101870;60101870;60101870;60101870;60025153;60025153

? Corresponding: Salvador A.

193.

? Title: Microwave imaging of elliptically-shaped dielectric cylinders by means of a Lp Banach-space inversion algorithm

? Venue: Ist 2012 2012 IEEE International Conference on Imaging Systems and Techniques Proceedings

? Year: 2012

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Ist.2012.6295491

? Scopus ID: 2-s2.0-84870688522

? Pages: 533-537

? Authors: Estatico C.; Fedeli A.; Pastorino M.; Randazzo A.

? Keywords: Inverse problems | Iterative algorithms | Microwave imaging | Newton method

? Source Id: 21100222924

? Author Ids: 9739222400;55512997500;7004880389;7006280562

? Authoraffiliationids: 60005400;60025153;60025153;60025153

? Corresponding: Estatico C.

194.

? Title: Trainingless fingerprinting-based indoor positioning algorithms with smartphones using electromagnetic propagation models

? Venue: Ist 2012 2012 IEEE International Conference on Imaging Systems and Techniques Proceedings

? Year: 2012

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 8

? Doi: 10.1109/Ist.2012.6295537

? Scopus ID: 2-s2.0-84870666077

? Pages: 190-194

? Authors: Bisio Igor; Lavagetto Fabio; Marchese Mario; Pastorino Matteo; Randazzo Andrea

? Keywords: Electromagnetic propagation | Smartphone terminals | WI-Fi Signals Fingerprint

? Source Id: 21100222924

? Author Ids: 8546192900;7004136693;7004398165;7004880389;7006280562

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

? Corresponding: Bisio I.

195.

? Title: Inversion of em scattering data through a multiresolution regularization approach within the contrast source formulation

? Venue: IEEE Antennas and Propagation Society AP S International Symposium Digest

? Year: 2012

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Aps.2012.6348672

? Scopus ID: 2-s2.0-84870502434

? Issn: 15223965

? Authors: Oliveri Giacomo; Tommasi Andrea; Massa Andrea; Randazzo Andrea; Pastorino Matteo

? Quartile:

2025:

? Electrical and Electronic Engineering (Q4, rank 853, percentile 14)

2012:

? Electrical and Electronic Engineering (Q3, rank 433, percentile 29)

? Source Id: 18719

? Author Ids: 6701615935;55511188900;7005085831;7006280562;7004880389

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

? Corresponding: Oliveri G.

196.

? Title: Swarm optimization methods in microwave imaging

? Venue: International Journal of Microwave Science and Technology

? Year: 2012

? Type: Journal

? Subtype: Review

? Citations: 29

? Doi: 10.1155/2012/491713

? Scopus ID: 2-s2.0-84870155957

? Issn: 16875826

? eISSN: 16875834

? Authors: Randazzo Andrea

? Quartile:

2012:

? Electrical and Electronic Engineering (Q4, rank 567, percentile 7)

? Radiation (Q4, rank 39, percentile 3)

? Condensed Matter Physics (Q4, rank 374, percentile 3)

? Source Id: 19900193584

? Author Ids: 7006280562

? Authoraffiliationids: 60025153

? Corresponding: Randazzo A.

197.

? Title: Nondestructive analysis of dielectric bodies by means of an ant colony optimization method

? Venue: Swarm Intelligence for Electric and Electronic Engineering

? Year: 2012

? Type: Book

? Subtype: Book Chapter

? Citations: 3

? DOI: 10.4018/978-1-4666-2666-9.ch015

? Scopus ID: 2-s2.0-84870169700

? Pages: 308-325

? Authors: Pastorino Matteo; Randazzo Andrea

? Source Id: 21100306288

? Author Ids: 7004880389;7006280562

? Authoraffiliationids: 60025153;60025153

? Corresponding: Pastorino M.

198.

? Title: A regularisation scheme for electromagnetic inverse problems: Application to crack detection in civil structures

? Venue: Nondestructive Testing and Evaluation

? Year: 2012

? Type: Journal

? Subtype: Article

? Citations: 15

? Doi: 10.1080/10589759.2012.665920

? Scopus ID: 2-s2.0-84864685880
? Issn: 10589759
? eISSN: 14772671
? Volume: 27
? Issue: 3
? Pages: 189-197
? Authors: Randazzo Andrea; Estatico Claudio
? Keywords: electromagnetic imaging | inverse problems | regularisation | tomography
? Quartile:
2025:
? Physics and Astronomy (all) (Q1, rank 60, percentile 76)
? Mechanical Engineering (Q2, rank 216, percentile 70)
? Mechanics of Materials (Q2, rank 145, percentile 65)
? Materials Science (all) (Q2, rank 193, percentile 58)
2012:
? Mechanical Engineering (Q2, rank 163, percentile 67)
? Mechanics of Materials (Q2, rank 118, percentile 61)
? Materials Science (all) (Q2, rank 159, percentile 61)
? Physics and Astronomy (all) (Q2, rank 95, percentile 50)
? Source Id: 17870
? Author Ids: 7006280562;9739222400
? Authoraffiliationids: 60025153;60005400
? Corresponding: Randazzo A.

199.

? Title: Buried object detection by an inexact Newton method applied to nonlinear inverse scattering
? Venue: International Journal of Microwave Science and Technology
? Year: 2012
? Type: Journal
? Subtype: Article
? Citations: 15
? Doi: 10.1155/2012/637301
? Scopus ID: 2-s2.0-84864934600
? Issn: 16875826
? eISSN: 16875834
? Authors: Pastorino Matteo; Randazzo Andrea
? Quartile:
2012:
? Electrical and Electronic Engineering (Q4, rank 567, percentile 7)
? Radiation (Q4, rank 39, percentile 3)
? Condensed Matter Physics (Q4, rank 374, percentile 3)
? Source Id: 19900193584
? Author Ids: 7004880389;7006280562
? Authoraffiliationids: 60025153;60025153
? Corresponding: Pastorino M.

200.

? Title: A Novel Microwave Imaging Approach Based on Regularization in ℓ_p Banach Spaces
? Venue: IEEE Transactions on Antennas and Propagation
? Year: 2012
? Type: Journal
? Subtype: Article
? Citations: 87
? Doi: 10.1109/Tap.2012.2196925

? Scopus ID: 2-s2.0-84863635742
? Issn: 0018926x
? Volume: 60
? Issue: 7
? Pages: 3373-3381
? Authors: Estatico C.; Pastorino M.; Randazzo A.
? Keywords: Inverse problems | iterative algorithms | microwave imaging | Newton method
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)
2012:
? Subject (Q1, rank 30, percentile 92)
? Electrical and Electronic Engineering (Q1, rank 53, percentile 91)
? Source Id: 17337
? Author Ids: 9739222400;7004880389;7006280562
? Authoraffiliationids: 60005400;60025153;60025153
? Corresponding: Estatico C.

201.

? Title: Sub-surface localization of buried cylinders by means of sub-array processing
? Venue: Proceedings of 6th European Conference on Antennas and Propagation Eucap 2012
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.1109/EuCAP.2012.6206193
? Scopus ID: 2-s2.0-84862863494
? Pages: 1373-1377
? Authors: Meschino S.; Pajewski L.; Schettini G.; Pastorino M.; Randazzo A.
? Keywords: Buried object detection | direction of arrival estimation | sub-array processing
? Source Id: 21100204902
? Author Ids: 35230538700;12344632700;7102615533;7004880389;7006280562
? Authoraffiliationids: 60012630;60012630;60012630;60025153;60025153
? Corresponding: Meschino S.

202.

? Title: A Banach-space regularization approach for microwave imaging
? Venue: Proceedings of 6th European Conference on Antennas and Propagation Eucap 2012
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? DOI: 10.1109/EuCAP.2012.6206201
? Scopus ID: 2-s2.0-84862841147
? Pages: 1382-1386
? Authors: Estatico C.; Pastorino M.; Randazzo A.
? Keywords: inverse problems | Microwave imaging | regularization
? Source Id: 21100204902
? Author Ids: 9739222400;7004880389;7006280562
? Authoraffiliationids: 60005400;60025153;60025153
? Corresponding: Estatico C.

203.

? Title: Reconstruction of metallic inclusions inside dielectric targets by means of a microwave tomographic system
? Venue: IEEE Microwave and Wireless Components Letters

? Year: 2012
? Type: Journal
? Subtype: Article
? Citations: 12
? Doi: 10.1109/Lmwc.2012.2203115
? Scopus ID: 2-s2.0-84863785657
? Issn: 15311309
? Volume: 22
? Issue: 7
? Pages: 378-380
? Authors: Maffongelli M.; Monleone R.; Pastorino M.; Poretti S.; Randazzo A.; Salvad 
A.
? Keywords: Microwave imaging | microwave sensors | nondestructive testing | tomography
| wood industry
? Quartile:
2012:
? Condensed Matter Physics (Q1, rank 33, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 54, percentile 91)
? Source Id: 17295
? Author Ids: 36682904800;15623618300;7004880389;25927504500;7006280562;15623387700
? Authoraffiliationids: 60101870;60101870;60025153;60101870;60025153;60101870
? Corresponding: Maffongelli M.

204.

? Title: Numerical assessment of the capabilities of a microwave imaging approach for
the reconstruction of dielectric targets in nondestructive evaluation applications
? Venue: Measurement Science and Technology
? Year: 2012
? Type: Journal
? Subtype: Article
? Citations: 2
? Doi: 10.1088/0957-0233/23/11/114008
? Scopus ID: 2-s2.0-84868146606
? Issn: 09570233
? eISSN: 13616501
? Volume: 23
? Issue: 11
? Authors: Pastorino M.; Randazzo A.
? Quartile:
2025:
? Applied Mathematics (Q1, rank 109, percentile 83)
? Instrumentation (Q2, rank 48, percentile 74)
? Engineering (miscellaneous) (Q2, rank 81, percentile 71)
2012:
? Applied Mathematics (Q1, rank 64, percentile 83)
? Instrumentation (Q1, rank 17, percentile 81)
? Source Id: 15526
? Author Ids: 7004880389;7006280562
? Authoraffiliationids: 60025153;60025153
? Corresponding: Pastorino M.

205.

? Title: Electromagnetic imaging within the contrast-source formulation by means of the
multiscaling inexact Newton method
? Venue: Journal of the Optical Society of America A Optics and Image Science and
Vision

? Year: 2012
? Type: Journal
? Subtype: Article
? Citations: 20
? Doi: 10.1364/Josaa.29.000945
? Scopus ID: 2-s2.0-84861864706
? Issn: 10847529
? eISSN: 15208532
? Volume: 29
? Issue: 6
? Pages: 945-958
? Authors: Oliveri Giacomo; Randazzo Andrea; Pastorino Matteo; Massa Andrea
? Quartile:
2025:
? Computer Vision and Pattern Recognition (Q2, rank 78, percentile 54)
? Atomic and Molecular Physics, and Optics (Q3, rank 134, percentile 43)
? Electronic, Optical and Magnetic Materials (Q3, rank 180, percentile 41)
2012:
? Electronic, Optical and Magnetic Materials (Q1, rank 46, percentile 76)
? Atomic and Molecular Physics, and Optics (Q2, rank 39, percentile 73)
? Computer Vision and Pattern Recognition (Q2, rank 21, percentile 64)
? Source Id: 12320
? Author Ids: 6701615935;7006280562;7004880389;7005085831
? Authoraffiliationids: 60015986;60025153;60025153;60015986
? Corresponding: Oliveri G.

206.

? Title: Impact of background noise on dielectric reconstructions obtained by a prototype of microwave axial tomograph
? Venue: IEEE Transactions on Instrumentation and Measurement
? Year: 2012
? Type: Journal
? Subtype: Article
? Citations: 28
? Doi: 10.1109/Tim.2011.2159144
? Scopus ID: 2-s2.0-83655163893
? Issn: 00189456
? Volume: 61
? Issue: 1
? Pages: 140-148
? Authors: Monleone Ricardo D.; Pastorino Matteo; Fortuny-Guasch Joaquim; Salvadori Andrea; Bartesaghi Thomas; Bozza Giovanni; Maffongelli Manuela; Massimini Andrea; Carbonetti Andrea; Randazzo Andrea
? Keywords: Electromagnetic Interference | imaging systems | inverse problems | microwave sensor | microwave tomography | nondestructive testing
? Quartile:
2025:
? Instrumentation (Q1, rank 16, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 119, percentile 88)
2012:
? Instrumentation (Q1, rank 9, percentile 90)
? Electrical and Electronic Engineering (Q1, rank 94, percentile 84)
? Source Id: 15361
? Author Ids: 15623618300;7004880389;6603372832;15623387700;22033467000;9740507100;36682904800;36682957200;54782273000;7006280562

? Authoraffiliationids: 60101870;60025153;60103695;60101870;60101870;60025153;60101870;60101870;60101870;60025153

? Corresponding: Monleone R.

207.

? Title: Electromagnetic inversion with the multiscaling inexact Newton method-experimental validation

? Venue: Microwave and Optical Technology Letters

? Year: 2011

? Type: Journal

? Subtype: Article

? Citations: 24

? DOI: 10.1002/mop.26435

? Scopus ID: 2-s2.0-80053192974

? Issn: 08952477

? eISSN: 10982760

? Volume: 53

? Issue: 12

? Pages: 2834-2838

? Authors: Randazzo Andrea; Oliveri Giacomo; Massa Andrea; Pastorino Matteo

? Keywords: experimental results | inexact-Newton method | inverse scattering | iterative multiscaling approach | tomographic imaging

? 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)

2011:

? Electrical and Electronic Engineering (Q2, rank 243, percentile 58)

? Condensed Matter Physics (Q3, rank 196, percentile 48)

? Electronic, Optical and Magnetic Materials (Q3, rank 98, percentile 46)

? Atomic and Molecular Physics, and Optics (Q3, rank 77, percentile 45)

? Source Id: 12250

? Author Ids: 7006280562;6701615935;7005085831;7004880389

? Authoraffiliationids: 60025153;60015986;60015986;60025153

? Corresponding: Randazzo A.

208.

? Title: CSI-CFI formulations of the multiresolution Inexact Newton method - A numerical comparison

? Venue: 2011 30th Ursi General Assembly and Scientific Symposium Ursigass 2011

? Year: 2011

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Ursigass.2011.6050369

? Scopus ID: 2-s2.0-81255166836

? Authors: Oliveri Giacomo; Randazzo Andrea; Pastorino Matteo; Massa Andrea

? Source Id: 20500195093

? Author Ids: 6701615935;7006280562;7004880389;7005085831

? Authoraffiliationids: 60015986;60025153;60025153;60015986

? Corresponding: Oliveri G.

209.

? Title: Assessment of the electromagnetic inversion with the multiscaling Inexact-Newton method

? Venue: IEEE Antennas and Propagation Society AP S International Symposium Digest
? Year: 2011
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Aps.2011.5997042
? Scopus ID: 2-s2.0-80055011610
? Issn: 15223965
? Pages: 2541-2544
? Authors: Oliveri Giacomo; Massa Andrea; Randazzo Andrea; Pastorino Matteo
? Keywords: Electromagnetic inverse scattering | Inexact Newton Method | Iterative Multiscaling Approach | Microwave Imaging
? Quartile:
2025:
? Electrical and Electronic Engineering (Q4, rank 853, percentile 14)
2011:
? Electrical and Electronic Engineering (Q3, rank 407, percentile 30)
? Source Id: 18719
? Author Ids: 6701615935;7005085831;7006280562;7004880389
? Authoraffiliationids: 60015986;60015986;60025153;60025153
? Corresponding: Oliveri G.

210.

? Title: A multistatic tomographic approach to microwave imaging of dielectric targets
? Venue: Proceedings of the 5th European Conference on Antennas and Propagation Eucap 2011
? Year: 2011
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-79959681192
? Pages: 2790-2794
? Authors: Randazzo A.; Pastorino M.; Salvad^o A.; Monleone R.; Maffongelli M.; Lanini M.
? Source Id: 19900192144
? Author Ids: 7006280562;7004880389;15623387700;15623618300;36682904800;41761929500
? Authoraffiliationids: 60025153;60025153;60101870;60101870;60101870;60101870
? Corresponding: Randazzo A.

211.

? Title: Microwave axial tomograph for medical applications: Preliminary set-up configuration
? Venue: Memea 2011 2011 IEEE International Symposium on Medical Measurements and Applications Proceedings
? Year: 2011
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? DOI: 10.1109/MeMeA.2011.5966680
? Scopus ID: 2-s2.0-80052389695
? Pages: 176-181
? Authors: Maffongelli Manuela; Salvade Andrea; Monleone Ricardo D.; Poretti Samuel; Pastorino Matteo; Randazzo Andrea
? Keywords: Biomedical imaging | Electromagnetic scattering | Imaging Systems | Inverse Problems | Microwave
? Source Id: 19900193848

? Author Ids: 36682904800;15623387700;15623618300;25927504500;7004880389;7006280562
? Authoraffiliationids: 60101870;60101870;60101870;60101870;60025153;60025153
? Corresponding: Maffongelli M.

212.

? Title: Imaging of separate scatterers by means of a multiscaling multiregion Inexact-Newton approach
? Venue: Progress in Electromagnetics Research M
? Year: 2011
? Type: Journal
? Subtype: Article
? Citations: 8
? Doi: 10.2528/Pierrm11051404
? Scopus ID: 2-s2.0-79959871596
? Issn: 19378726
? eISSN: 10988963
? Volume: 18
? Pages: 247-257
? Authors: Oliveri G.; Randazzo A.; Pastorino M.; Massa Andrea
? Quartile:
2025:
? Electronic, Optical and Magnetic Materials (Q3, rank 184, percentile 40)
? Condensed Matter Physics (Q3, rank 277, percentile 38)
2011:
? Condensed Matter Physics (Q3, rank 205, percentile 46)
? Electronic, Optical and Magnetic Materials (Q3, rank 102, percentile 44)
? Source Id: 19700186909
? Author Ids: 6701615935;7006280562;7004880389;7005085831
? Authoraffiliationids: 60015986;60025153;60025153;60015986
? Corresponding: Oliveri G.

213.

? Title: A differential evolution-based iterative multi-scaling algorithm for microwave imaging of dielectric structures
? Venue: 2010 IEEE International Conference on Imaging Systems and Techniques Ist 2010 Proceedings
? Year: 2010
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1109/Ist.2010.5548515
? Scopus ID: 2-s2.0-77957854022
? Pages: 90-95
? Authors: Donelli M.; Massa A.; Oliveri G.; Pastorino M.; Randazzo A.
? Keywords: Differential evolution | Inverse scattering | Microwave imaging
? Source Id: 19700181227
? Author Ids: 7006135869;7005085831;6701615935;7004880389;7006280562
? Authoraffiliationids: 60015986;60015986;60015986;60025153;60025153
? Corresponding: Donelli M.

214.

? Title: Crack detection in dielectric structures by a linear sampling approach
? Venue: International Journal of Signal and Imaging Systems Engineering
? Year: 2010
? Type: Journal
? Subtype: Article
? Citations: 1

? Doi: 10.1504/ljsise.2010.034996
? Scopus ID: 2-s2.0-77956257544
? Issn: 17480698
? eISSN: 17480701
? Volume: 3
? Issue: 2
? Pages: 73-80
? Authors: Bozza G.; Brignone M.; Pastorino M.; Piana M.; Randazzo A.
? Keywords: Crack detection | Imaging systems | Inverse scattering | Linear sampling method | Non-destructive testing
? Quartile:
2025:
? Control and Systems Engineering (Q2, rank 155, percentile 59)
? Electrical and Electronic Engineering (Q2, rank 409, percentile 59)
? Source Id: 19500157222
? Author Ids: 9740507100;8580886100;7004880389;35557405100;7006280562
? Authoraffiliationids:
60025153;60025153-106394475;60025153;106394475-60032256;60025153
? Corresponding: Bozza G.

215.

? Title: A fast and efficient microwave method for detecting dielectric and conducting bodies inside complex structures
? 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: 1
? Doi: 10.1109/Eumc.2009.5296252
? Scopus ID: 2-s2.0-72949090619
? Pages: 1618-1621
? Authors: Bozza G.; Brignone M.; Piana M.; Pastorino M.; Randazzo A.
? Source Id: 19500157491
? Author Ids: 9740507100;8580886100;35557405100;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Bozza G.

216.

? Title: An inverse scattering based hybrid method for the measurement of the complex dielectric permittivities of arbitrarily shaped homogenous targets
? Venue: 2009 IEEE Instrumentation and Measurement Technology Conference I2mtc 2009
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1109/I2mtc.2009.5168544
? Scopus ID: 2-s2.0-70450105873
? Pages: 719-723
? Authors: Bozza Giovanni; Brignone Massimo; Pastorino Matteo; Piana Michele; Randazzov Andrea
? Source Id: 19400158531
? Author Ids: 9740507100;8580886100;7004880389;35557405100;7006280562
? Authoraffiliationids: 60025153;60032256;60025153;60083086;60025153
? Corresponding: Bozza G.

217.

? Title: Integration of linear sampling and newton-like schemes in inverse scattering
? Venue: IEEE Antennas and Propagation Society AP S International Symposium Digest
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Aps.2009.5171684
? Scopus ID: 2-s2.0-71049193435
? Issn: 15223965
? Authors: Bozza G.; Brignone M.; Pastorino M.; Piana M.; Randazzo A.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q4, rank 853, percentile 14)
? Source Id: 18719
? Author Ids: 9740507100;8580886100;7004880389;35557405100;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60032256;60025153
? Corresponding: Bozza G.

218.

? Title: Microwave detection of unknown targets by using support vector machines
? Venue: 2009 IEEE International Workshop on Imaging Systems and Techniques Ist 2009 Proceedings
? Year: 2009
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Ist.2009.5071620
? Scopus ID: 2-s2.0-70349656983
? Pages: 141-146
? Authors: Randazzo Andrea; Pastorino Matteo
? Keywords: Component | Microwave imaging | Regression | Support vector machine
? Source Id: 19300157114
? Author Ids: 7006280562;7004880389
? Authoraffiliationids: 60025153;60025153
? Corresponding: Randazzo A.

219.

? Title: A new microwave axial tomograph for the inspection of dielectric materials
? Venue: IEEE Transactions on Instrumentation and Measurement
? Year: 2009
? Type: Journal
? Subtype: Article
? Citations: 31
? Doi: 10.1109/Tim.2009.2015521
? Scopus ID: 2-s2.0-67649621679
? Issn: 00189456
? Volume: 58
? Issue: 7
? Pages: 2072-2079
? Authors: Salvade Andrea; Pastorino Mateo; Monleone Ricardo; Bozza Giovanni; Randazzo Andrea
? Keywords: Imaging systems | Inverse problems | Microwave tomography | Nondestructive testing | Radar
? Quartile:
2025:
? Instrumentation (Q1, rank 16, percentile 91)

? Electrical and Electronic Engineering (Q1, rank 119, percentile 88)
? Source Id: 15361
? Author Ids: 15623387700;7004880389;15623618300;9740507100;7006280562
? Authoraffiliationids: 60101870;60025153;60101870;60025153;60025153
? Corresponding: Salvade A.

220.

? Title: Enhanced nonlinear inverse scattering through linear super-resolution techniques
? Venue: Ist 2008 IEEE Workshop on Imaging Systems and Techniques Proceedings
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Ist.2008.4659974
? Scopus ID: 2-s2.0-57849154868
? Pages: 227-231
? Authors: Bozza Giovanni; Estatico Claudio; Nagy James G.; Pastorino Matteo; Randazzo Andrea
? Source Id: 14000156210
? Author Ids: 9740507100;9739222400;7202084277;7004880389;7006280562
? Authoraffiliationids: 60025153;60032259;60000928;60025153;60025153
? Corresponding: Bozza G.

221.

? Title: A linear sampling approach to crack detection in microwave imaging
? Venue: Ist 2008 IEEE Workshop on Imaging Systems and Techniques Proceedings
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 17
? Doi: 10.1109/Ist.2008.4659973
? Scopus ID: 2-s2.0-57849153473
? Pages: 222-226
? Authors: Bozza Giovanni; Brignone Massimo; Pastorino Matteo; Piana Michele; Randazzo Andrea
? Source Id: 14000156210
? Author Ids: 9740507100;8580886100;7004880389;35557405100;7006280562
? Authoraffiliationids: 60025153;60032256;60025153;60032256;60025153
? Corresponding: Bozza G.

222.

? Title: Microwave imaging of foreign bodies inside wood trunks
? Venue: Ist 2008 IEEE Workshop on Imaging Systems and Techniques Proceedings
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 12
? Doi: 10.1109/Ist.2008.4659947
? Scopus ID: 2-s2.0-57849138920
? Pages: 88-93
? Authors: Salvade A.; Pastorino M.; Monleone R.; Randazzo A.; Bartesaghi T.; Bozza G.; Poretti S.
? Keywords: Imaging systems | Inverse problems | Microwave tomography | Non-destructive testing | Reconstruction procedures
? Source Id: 14000156210
? Author Ids:

15623387700;7004880389;15623618300;7006280562;22033467000;9740507100;25927504500
? Authoraffiliationids: 60101870;60025153;60101870;60025153;60101870;60025153;60101870
? Corresponding: Salvad^o A.

223.

? Title: Hybrid approach to the inverse scattering problem by using ant colony optimization and no-sampling linear sampling
? Venue: 2008 IEEE International Symposium on Antennas and Propagation and Usnc Ursi National Radio Science Meeting Apsursi
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1109/Aps.2008.4619941
? Scopus ID: 2-s2.0-55649103006
? Authors: Brignone M.; Bozza G.; Randazzo A.; Aramini R.; Piana M.; Pastorino M.
? Source Id: 12600154756
? Author Ids: 8580886100;9740507100;7006280562;15759187700;35557405100;7004880389
? Authoraffiliationids: 60025153;60025153;60025153;60015986;60032256;60025153
? Corresponding: Brignone M.

224.

? Title: A hybrid approach to 3D microwave imaging by using linear sampling and ACO
? Venue: IEEE Transactions on Antennas and Propagation
? Year: 2008
? Type: Journal
? Subtype: Article
? Citations: 61
? Doi: 10.1109/Tap.2008.929504
? Scopus ID: 2-s2.0-54249088049
? Issn: 0018926x
? Volume: 56
? Issue: 10
? Pages: 3224-3232
? Authors: Brignone Massimo; Bozza Giovanni; Randazzo Andrea; Piana Michele; Pastorino Matteo
? Keywords: Ant colony optimization (ACO) | Inverse scattering | Linear sampling method (LSM) | Stochastic methods
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 74, percentile 92)
? Source Id: 17337
? Author Ids: 8580886100;9740507100;7006280562;35557405100;7004880389
? Authoraffiliationids: 60032256-60025153;60025153;60025153;60032256-60025153;60025153
? Corresponding: Brignone M.

225.

? Title: The differential evolution algorithm as applied to array antennas and imaging
? Venue: Studies in Computational Intelligence
? Year: 2008
? Type: Book Series
? Subtype: Review
? Citations: 3
? Doi: 10.1007/978-3-540-68830-3_9
? Scopus ID: 2-s2.0-51649097683
? Issn: 1860949x
? Volume: 143

? Pages: 239-255
? Authors: Massa Andrea; Pastorino M.; Randazzo A.
? Quartile:
2025:
? Artificial Intelligence (Q3, rank 308, percentile 37)
? Source Id: 4900152708
? Author Ids: 7005085831;7004880389;7006280562
? Authoraffiliationids: 60015986;60025153;60025153
? Corresponding: Massa A.

226.

? Title: Microwave detection of dielectric structures by using a tomographic approach
? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Imtc.2008.4547243
? Scopus ID: 2-s2.0-51349154773
? Issn: 10915281
? Pages: 1300-1305
? Authors: Salvad  A.; Pastorino M.; Monleone R.; Bartesaghi T.; Bozza G.; Randazzo A.
? Keywords: Imaging systems | Inverse problems | Microwave sensor | Microwave tomography | Nondestructive testing | Radar | Reconstruction procedures
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 634, percentile 36)
? Source Id: 15045
? Author Ids: 15623387700;7004880389;15623618300;22033467000;9740507100;7006280562
? Authoraffiliationids: 60101870;60025153;60101870;60101870;60025153;60025153
? Corresponding: Salvad  A.

227.

? Title: Direction of arrival estimation based on support vector regression:
Experimental validation and comparison with MUSIC
? Venue: IEEE Antennas and Wireless Propagation Letters
? Year: 2007
? Type: Journal
? Subtype: Article
? Citations: 100
? Doi: 10.1109/Lawp.2007.903491
? Scopus ID: 2-s2.0-68949202035
? Issn: 15361225
? Volume: 6
? Pages: 379-382
? Authors: Randazzo A.; Abou-Khousa M. A.; Pastorino M.; Zoughi R.
? Keywords: Directions of arrival (doas) | Support vector machines (svms)/regression | Uniform linear array (ula)
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 180, percentile 82)
? Source Id: 18894
? Author Ids: 7006280562;14048137900;7004880389;57207607521
? Authoraffiliationids:
60025153-60146648;60025153-60146648;60025153-60146648;60025153-60146648
? Corresponding: Randazzo A.

228.

? Title: Short-range image-based method for the inspection of strong scatterers using microwaves
? Venue: IEEE Transactions on Instrumentation and Measurement
? Year: 2007
? Type: Journal
? Subtype: Article
? Citations: 36
? Doi: 10.1109/Tim.2007.900127
? Scopus ID: 2-s2.0-34547874571
? Issn: 00189456
? Volume: 56
? Issue: 4
? Pages: 1181-1188
? Authors: Bozza Giovanni; Estatico Claudio; Massa Andrea; Pastorino Matteo; Randazzo Andrea
? Keywords: Imaging systems | Inverse problems | Inverse scattering | Microwave imaging | Newton methods
? Quartile:
2025:
? Instrumentation (Q1, rank 16, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 119, percentile 88)
? Source Id: 15361
? Author Ids: 9740507100;9739222400;7005085831;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60015986;60025153;60025153
? Corresponding: Bozza G.

229.

? Title: Microwave imaging for nondestructive testing of dielectric structures: Numerical simulations using an inexact Newton technique
? Venue: Materials Evaluation
? Year: 2007
? Type: Trade Journal
? Subtype: Article
? Citations: 18
? Scopus ID: 2-s2.0-38749097822
? Issn: 00255327
? Volume: 65
? Issue: 9
? Pages: 917-922
? Authors: Bozza G.; Estatico C.; Pastorino M.; Randazzo A.
? Keywords: Inexact Newton technique | Inverse scattering | Microwave imaging | Nondestructive testing | Regularizing schemes
? Quartile:
2025:
? Mechanical Engineering (Q4, rank 618, percentile 16)
? Mechanics of Materials (Q4, rank 367, percentile 11)
? Materials Science (all) (Q4, rank 415, percentile 11)
? Source Id: 17801
? Author Ids: 9740507100;9739222400;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bozza G.

230.

? Title: A blade coating inspection method based on an electromagnetic inverse scattering approach

? Venue: Proceedings of the 2007 IEEE International Workshop on Imaging Systems and Techniques Ist 07
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? DOI: 10.1109/ist.2007.379582
? Scopus ID: 2-s2.0-34748917176
? Authors: Randazzo A.; Pignone E.
? Keywords: Blade coatings | Eddy current | Electromagnetic scattering | Thickness evaluation
? Source Id: 21100990202
? Author Ids: 7006280562;8241707600
? Authoraffiliationids: 60025153;60073836
? Corresponding: Randazzo A.

231.

? Title: Electromagnetic imaging for non-intrusive evaluation in civil engineering
? Venue: Proceedings of the 2007 IEEE International Workshop on Imaging Systems and Techniques Ist 07
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? DOI: 10.1109/ist.2007.379581
? Scopus ID: 2-s2.0-34748913160
? Authors: Bozza G.; Estatico C.; Pastorino M.; Randazzo A.
? Keywords: Civil engineering | Electromagnetic imaging | Inverse scattering | Newton methods | Nondestructive testing
? Source Id: 7900153128
? Author Ids: 9740507100;9739222400;7004880389;7006280562
? Authoraffiliationids: 60025153;60032259;60025153;60025153
? Corresponding: Bozza G.

232.

? Title: A numerical evaluation of an optimal setup for a microwave axial tomograph aimed at the inspection of wood
? Venue: Proceedings of the 2007 IEEE International Workshop on Imaging Systems and Techniques Ist 07
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? DOI: 10.1109/ist.2007.379588
? Scopus ID: 2-s2.0-34748883226
? Authors: Salvad  Andrea; Pastorino Matteo; Monleone Ricardo; Randazzo Andrea; Bartesaghi Thomas; Bozza Giovanni
? Keywords: Electromagnetic field simulation | Imaging systems | Microwave sensor | Microwave tomography | Nondestructive testing inverse problems | Radar | Reconstruction procedures | Scattering
? Source Id: 21100984531
? Author Ids: 15623387700;7004880389;15623618300;7006280562;22033467000;9740507100
? Authoraffiliationids: 60101870;60025153;60101870;60025153;60101870;60025153
? Corresponding: Salvad  A.

233.

? Title: Detection of defects in wood slabs by using a microwave imaging technique

? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 25
? DOI: 10.1109/imtc.2007.379332
? Scopus ID: 2-s2.0-34648831081
? Issn: 10915281
? Authors: Pastorino M.; Salvad  A.; Monleone R.; Bartesaghi T.; Bozza G.; Randazzo A.
? Keywords: Imaging systems | Inverse problems | Microwave sensor | Microwave tomography | Nondestructive testing | Radar | Reconstruction procedures
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 634, percentile 36)
? Source Id: 15045
? Author Ids: 7004880389;15623387700;15623618300;22033467000;9740507100;7006280562
? Authoraffiliationids: 60025153;60101870;60101870;60101870;60025153;60025153
? Corresponding: Pastorino M.

234.

? Title: A numerical assessment of the semiconvergence behavior in an inverse-scattering approach to electromagnetic imaging
? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference
? Year: 2007
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? DOI: 10.1109/imtc.2007.379277
? Scopus ID: 2-s2.0-34648813258
? Issn: 10915281
? Authors: Bozza G.; Estatico C.; Pastorino M.; Randazzo A.
? Keywords: Ill-posed problems | Imaging systems | Inexact newton methods | Inverse problems | Inverse scattering | Regularization techniques
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 634, percentile 36)
? Source Id: 15045
? Author Ids: 9740507100;9739222400;7004880389;7006280562
? Authoraffiliationids: 60025153;60032259;60025153;60025153
? Corresponding: Bozza G.

235.

? Title: Application of an inexact-Newton method within the second-order Born approximation to buried objects
? Venue: IEEE Geoscience and Remote Sensing Letters
? Year: 2007
? Type: Journal
? Subtype: Article
? Citations: 43
? Doi: 10.1109/Lgrs.2006.885864
? Scopus ID: 2-s2.0-33846597139
? Issn: 1545598x
? Volume: 4
? Issue: 1
? Pages: 51-55
? Authors: Bozza Giovanni; Estatico Claudio; Pastorino Matteo; Randazzo Andrea

? Keywords: Buried objects | Inverse scattering | Iterative regularization | Newton method
? Quartile:
2025:
? Geotechnical Engineering and Engineering Geology (Q1, rank 22, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 90, percentile 91)
? Source Id: 17259
? Author Ids: 9740507100;9739222400;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60000251-60025153;60000251-60025153
? Corresponding: Bozza G.

236.

? 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.

237.

? Title: A new microwave axial tomograph for the inspection of dielectric materials
? Venue: Ist 2006 Proceedings of the 2006 IEEE International Workshop on Imaging Systems and Techniques
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Ist.2006.1650793
? Scopus ID: 2-s2.0-33845589277
? Volume: 2006
? Pages: 148-153
? Authors: Salvad  Andrea; Pastorino Matteo; Monleone Ricardo; Randazzo Andrea
? Keywords: Imaging systems | Inverse problems | Microwave tomography | Nondestructive testing | Radar
? Source Id: 5100153514
? Author Ids: 15623387700;7004880389;15623618300;7006280562
? Authoraffiliationids: 60101870;60025153;60101870;60025153
? Corresponding: Salvad  A.

238.

? Title: An inexact-newton algorithm for tomographic microwave imaging
? Venue: Ist 2006 Proceedings of the 2006 IEEE International Workshop on Imaging Systems and Techniques
? Year: 2006
? Type: Conference Proceeding

? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Ist.2006.1650791
? Scopus ID: 2-s2.0-33845562281
? Volume: 2006
? Pages: 137-142
? Authors: Bozza G.; Estatico C.; Massa A.; Pastorino M.; Randazzo A.
? Keywords: Imaging | Inverse scattering | Newton method | Regularization
? Source Id: 5100153514
? Author Ids: 9740507100;9739222400;7005085831;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60015986;60025153;60025153
? Corresponding: Bozza G.

239.

? Title: Optimization of the directivity of a monopulse antenna with a subarray weighting by a hybrid differential evolution method
? Venue: IEEE Antennas and Wireless Propagation Letters
? Year: 2006
? Type: Journal
? Subtype: Article
? Citations: 68
? Doi: 10.1109/Lawp.2006.872435
? Scopus ID: 2-s2.0-47249144421
? Issn: 15361225
? Volume: 5
? Issue: 1
? Pages: 155-158
? Authors: Massa Andrea; Pastorino Matteo; Randazzo Andrea
? Keywords: Array antennas | Evolutionary algorithm | Monopulse antennas | Sum and difference patterns
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 180, percentile 82)
? Source Id: 18894
? Author Ids: 7005085831;7004880389;7006280562
? Authoraffiliationids: 60015986;60025153;60025153
? Corresponding: Massa A.

240.

? Title: Short-range microwave imaging technique based on an inexact-Newton method for the nondestructive inspection of dielectric objects
? Venue: IMS 2006 Proceedings of the 2006 IEEE International Workshop on Measurement Systems for Homeland Security Contraband Detection and Personal Safety
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Mshs.2006.314345
? Scopus ID: 2-s2.0-46249095152
? Pages: 26-31
? Authors: Bozza Giovanni; Pastorino Matteo; Randazzo Andrea
? Keywords: Electromagnetic diagnostics | Inexact Newton methods | Inverse scattering | Microwave imaging
? Source Id: 11800154530
? Author Ids: 9740507100;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Bozza G.

241.

? Title: Short-range image-based method for the inspection of strong scatterers using microwaves
? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Imtc.2006.236934
? Scopus ID: 2-s2.0-36049047668
? Issn: 10915281
? Pages: 397-402
? Authors: Bozza G.; Estatico C.; Massa A.; Pastorino M.; Randazzo A.
? Keywords: Imaging systems | Inverse problems | Inverse scattering | Microwave imaging | Newton methods
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 634, percentile 36)
? Source Id: 15045
? Author Ids: 9740507100;9739222400;7005085831;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60015986;60025153;60025153
? Corresponding: Bozza G.

242.

? Title: An inexact Newton method for microwave reconstruction of strong scatterers
? Venue: IEEE Antennas and Wireless Propagation Letters
? Year: 2006
? Type: Journal
? Subtype: Article
? Citations: 63
? Doi: 10.1109/Lawp.2006.870360
? Scopus ID: 2-s2.0-34547860148
? Issn: 15361225
? Volume: 5
? Issue: 1
? Pages: 61-64
? Authors: Bozza G.; Estatico C.; Pastorino M.; Randazzo A.
? Keywords: Experimental data | Inexact newton methods | Inverse scattering | Microwave imaging | Regularization
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 180, percentile 82)
? Source Id: 18894
? Author Ids: 9740507100;9739222400;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Bozza G.

243.

? Title: The SVM-based smart antenna for estimation of the directions of arrival of electromagnetic waves
? Venue: IEEE Transactions on Instrumentation and Measurement
? Year: 2006
? Type: Journal
? Subtype: Article
? Citations: 31

? Doi: 10.1109/Tim.2006.884295
? Scopus ID: 2-s2.0-33947328374
? Issn: 00189456
? Volume: 55
? Issue: 6
? Pages: 1918-1925
? Authors: Pastorino Matteo; Randazzo Andrea
? Keywords: Array antennas | Direction of arrival estimation | Multiple antennas | Regression | Support vector machines (SVMs)
? Quartile:
2025:
? Instrumentation (Q1, rank 16, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 119, percentile 88)
? Source Id: 15361
? Author Ids: 7004880389;7006280562
? Authoraffiliationids: 60000251-60025153;60000251-60025153
? Corresponding: Pastorino M.

244.

? Title: A microwave axial tomograph: Experimental set up and reconstruction procedure
? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1109/Imtc.2006.236933
? Scopus ID: 2-s2.0-33845570089
? Issn: 10915281
? Pages: 392-396
? Authors: Pastorino Matteo; Salvad  Andrea; Monleone Ricardo; Randazzo Andrea
? Keywords: Imaging systems | Inverse problems | Microwave sensor | Microwave tomography | Nondestructive testing | Radar | Reconstruction procedures
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 634, percentile 36)
? Source Id: 15045
? Author Ids: 7004880389;15623387700;15623618300;7006280562
? Authoraffiliationids: 60025153;60101870;60101870;60025153
? Corresponding: Pastorino M.

245.

? Title: New results on electromagnetic imaging based on the inversion of synthetic and measured scattered-field data
? Venue: IEEE Transactions on Instrumentation and Measurement
? Year: 2006
? Type: Journal
? Subtype: Article
? Citations: 4
? Doi: 10.1109/Tim.2006.876576
? Scopus ID: 2-s2.0-33746342133
? Issn: 00189456
? Volume: 55
? Issue: 4
? Pages: 1085-1093
? Authors: Azaro Renzo; Bozza Giovanni; Estatico Claudio; Massa Andrea; Pastorino Matteo; Pregnolato Denis; Randazzo Andrea

? Keywords: Electromagnetic scattering | Imaging systems | Inverse problems |
Microwaves
? Quartile:
2025:
? Instrumentation (Q1, rank 16, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 119, percentile 88)
? Source Id: 15361
? Author Ids:
8662846400;9740507100;9739222400;7005085831;7004880389;15924046500;7006280562
? Authoraffiliationids: 101241495;60025153;60025153;60015986;60025153;60015986;60025153
? Corresponding: Azaro R.

246.

? Title: A regularization approach to microwave imaging under the second-order born approximation with real data
? Venue: Ist 2005 Proceedings of the 2005 IEEE International Workshop on Imaging Systems and Techniques
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Scopus ID: 2-s2.0-33847226954
? Volume: 2005
? Pages: 14-19
? Authors: Bozza G.; Estatico C.; Massa A.; Pastorino M.; Randazzo A.
? Source Id: 5200153047
? Author Ids: 9740507100;9739222400;7005085831;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60015986;60025153;60025153
? Corresponding: Bozza G.

247.

? Title: Estimation of the DOA of reflected signals by means of smart antennas
? Venue: Ist 2005 Proceedings of the 2005 IEEE International Workshop on Imaging Systems and Techniques
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-33847188121
? Volume: 2005
? Pages: 2-7
? Authors: Pastorino M.; Randazzo A.; Stanchi P.
? Source Id: 5200153047
? Author Ids: 7004880389;7006280562;15623423400
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Pastorino M.

248.

? Title: A smart antenna for the DOA estimation of impinging signals and passive obstacle detection for homeland security
? Venue: IMS 2005 Proceedings of the 2005 IEEE International Workshop on Measurement Systems for Homeland Security Contraband Detection and Personal Safety
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Doi: 10.1109/Mshs.2005.1502558

? Scopus ID: 2-s2.0-33745508354
? Volume: 2005
? Pages: 70-76
? Authors: Pastorino Matteo; Randazzo Andrea
? Keywords: Electromagnetic Sources | Homeland Security | Intelligent Systems | Passive Scatterers | Smart Antennas
? Source Id: 4700152231
? Author Ids: 7004880389;7006280562
? Authoraffiliationids: 60025153;60025153
? Corresponding: Pastorino M.

249.

? 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.

250.

? Title: New results on electromagnetic imaging based on the inversion of measured scattered-field data
? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 8
? Scopus ID: 2-s2.0-28544442756
? Issn: 10915281
? Volume: 3
? Pages: 2048-2053
? Authors: Azaro R.; Bozza G.; Estatico C.; Massa A.; Pastorino M.; Pregnotato D.; Randazzo A.
? Keywords: Electromagnetic scattering | Imaging systems | Inverse problems | Microwaves
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 634, percentile 36)
? Source Id: 15045

? Author Ids:
8662846400;9740507100;9739222400;7005085831;7004880389;15924046500;7006280562
? Authoraffiliationids: ;60025153;60025153;60015986;60025153;60015986;60025153
? Corresponding: Azaro R.

251.

? Title: A two-step iterative inexact-Newton method for electromagnetic imaging of dielectric structures from real data
? Venue: Inverse Problems
? Year: 2005
? Type: Journal
? Subtype: Article
? Citations: 49
? Doi: 10.1088/0266-5611/21/6/S07
? Scopus ID: 2-s2.0-28544439972
? Issn: 02665611
? eISSN: 13616420
? Volume: 21
? Issue: 6
? Pages: S81-S94
? Authors: Estatico C.; Bozza G.; Massa A.; Pastorino M.; Randazzo A.
? Quartile:
2025:
? Mathematical Physics (Q1, rank 21, percentile 77)
? Applied Mathematics (Q2, rank 200, percentile 70)
? Theoretical Computer Science (Q2, rank 58, percentile 57)
? Signal Processing (Q2, rank 83, percentile 57)
? Computer Science Applications (Q3, rank 495, percentile 49)
? Source Id: 28497
? Author Ids: 9739222400;9740507100;7005085831;7004880389;7006280562
? Authoraffiliationids: 60025153;60025153;60015986;60025153;60025153
? Corresponding: Estatico C.

252.

? Title: An inexact-Newton method for short-range microwave imaging within the second-order born approximation
? Venue: IEEE Transactions on Geoscience and Remote Sensing
? Year: 2005
? Type: Journal
? Subtype: Conference Paper
? Citations: 67
? Doi: 10.1109/Tgrs.2005.856631
? Scopus ID: 2-s2.0-27844535704
? Issn: 01962892
? Volume: 43
? Issue: 11
? Pages: 2593-2605
? Authors: Estatico Claudio; Pastorino Matteo; Randazzo Andrea
? Keywords: Dielectrics | Imaging | Inverse scattering | Iterative regularization | Newton methods
? Quartile:
2025:
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)
? Source Id: 17360
? Author Ids: 9739222400;7004880389;7006280562

? Authoraffiliationids:

60025153;60000251-60025153-101036315-101913095;60000251-60025153

? Corresponding: Estatico C.

253.

? Title: A smart antenna system for direction of arrival estimation based on a support vector regression

? Venue: IEEE Transactions on Antennas and Propagation

? Year: 2005

? Type: Journal

? Subtype: Article

? Citations: 132

? Doi: 10.1109/Tap.2005.850735

? Scopus ID: 2-s2.0-23044495266

? Issn: 0018926x

? Volume: 53

? Issue: 7

? Pages: 2161-2168

? Authors: Pastorino Matteo; Randazzo Andrea

? Keywords: Antenna arrays | Direction of arrival (DOA) estimation | Regression | Support vector machines

? Quartile:

2025:

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

? Source Id: 17337

? Author Ids: 7004880389;7006280562

? Authoraffiliationids: 101036315;101036315

? Corresponding: Pastorino M.

254.

? Title: Optimization of the difference patterns for monopulse antennas by a hybrid real/integer-coded differential evolution method

? Venue: IEEE Transactions on Antennas and Propagation

? Year: 2005

? Type: Journal

? Subtype: Article

? Citations: 148

? Doi: 10.1109/Tap.2004.838788

? Scopus ID: 2-s2.0-13244279553

? Issn: 0018926x

? Volume: 53

? Issue: 1 li

? Pages: 372-376

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

? Keywords: Array antennas | Evolutionary algorithm | Monopulse antennas | Sum and difference patterns

? Quartile:

2025:

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

? Source Id: 17337

? Author Ids: 7102084534;7005085831;7004880389;7006280562

? Authoraffiliationids: 60015197;60015986;60025153;60025153

? Corresponding: Caorsi S.

255.

? 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.

256.

? Title: Real-time SVM-based approach for localization of sources
? Venue: 2004 IEEE International Workshop on Imaging Systems and Techniques Ist
? Year: 2004
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 8
? Scopus ID: 2-s2.0-15844417955
? Pages: 2-6
? Authors: Pastorino M.; Randazzo A.
? Keywords: Antenna arrays | Direction of arrival estimation | Regression | Support vector machines
? Source Id: 145102
? Author Ids: 7004880389;7006280562
? Authoraffiliationids: 60025153;60025153
? Corresponding: Pastorino M.

257.

? Title: Reconstruction of two-dimensional buried objects by a differential evolution method
? Venue: Inverse Problems
? Year: 2004
? Type: Journal
? Subtype: Article
? Citations: 55
? Doi: 10.1088/0266-5611/20/6/S09
? Scopus ID: 2-s2.0-10844256668
? Issn: 02665611
? Volume: 20
? Issue: 6
? Pages: S135-S150
? Authors: Massa A.; Pastorino M.; Randazzo A.
? Quartile:
2025:
? Mathematical Physics (Q1, rank 21, percentile 77)
? Applied Mathematics (Q2, rank 200, percentile 70)
? Theoretical Computer Science (Q2, rank 58, percentile 57)
? Signal Processing (Q2, rank 83, percentile 57)
? Computer Science Applications (Q3, rank 495, percentile 49)
? Source Id: 28497
? Author Ids: 7005085831;7004880389;7006280562
? Authoraffiliationids: 60015986;60025153;60025153
? Corresponding: Massa A.

258.

? Title: Detection of PEC elliptic cylinders by a memetic algorithm using real data
? Venue: Microwave and Optical Technology Letters
? Year: 2004
? Type: Journal
? Subtype: Article
? Citations: 1
? DOI: 10.1002/mop.20442
? Scopus ID: 2-s2.0-7544230085
? Issn: 08952477
? Volume: 43
? Issue: 4
? Pages: 271-273
? Authors: Caorsi S.; Massa A.; Pastorino M.; Randazzo A.
? Keywords: Electromagnetic imaging | Elliptic cylinders | Evolutionary algorithms
? 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;7004880389;7006280562
? Authoraffiliationids: 60015197;60015986;60025153;60025153
? Corresponding: Caorsi S.

259.

? Title: A microwave imaging method for NDE/NDT based on the SMW technique for the electromagnetic field prediction
? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference
? Year: 2004
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Scopus ID: 2-s2.0-4644280861
? Issn: 10915281
? Volume: 1
? Pages: 184-189
? Authors: Caorsi S.; Donelli M.; Massa A.; Pastorino M.; Randazzo A.; Rosani A.
? Keywords: Inverse Scattering Technique | Microwave Sensing and Measurements | NDT/NDE | SMW Inversion Method
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 634, percentile 36)
? Source Id: 15045
? Author Ids: 7102084534;7006135869;7005085831;7004880389;7006280562;6506074034
? Authoraffiliationids: 60015197;60015986;60015986;60025153;60025153;60015986
? Corresponding: Caorsi S.

260.

? Title: Detection of buried objects by an electromagnetic method based on a differential evolution approach
? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference
? Year: 2004
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 6
? Doi: 10.1109/Imtc.2004.1351257
? Scopus ID: 2-s2.0-4644228067
? Issn: 10915281
? Volume: 2
? Pages: 1107-1111
? Authors: Caorsi S.; Donelli M.; Massa A.; Pastorino M.; Randazzo A.
? Keywords: Buried Objects | Genetic algorithms | Imaging Systems | Inversion Techniques | Microwaves
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 634, percentile 36)
? Source Id: 15045
? Author Ids: 7102084534;7006135869;7005085831;7004880389;7006280562
? Authoraffiliationids: 60015197;60015986;60015986;60025153;60025153
? Corresponding: Caorsi S.

261.

? Title: A reconstruction procedure for microwave nondestructive evaluation based on a numerically computed green's function
? Venue: IEEE Transactions on Instrumentation and Measurement
? Year: 2004
? Type: Journal
? Subtype: Article
? Citations: 12
? Doi: 10.1109/Tim.2004.831446
? Scopus ID: 2-s2.0-4043078400
? Issn: 00189456
? Volume: 53
? Issue: 4
? Pages: 987-992
? Authors: Caorsi Salvatore; Massa Andrea; Pastorino Matteo; Randazzo Andrea; Rosani Andrea
? Quartile:
2025:
? Instrumentation (Q1, rank 16, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 119, percentile 88)
? Source Id: 15361
? Author Ids: 7102084534;7005085831;7004880389;7006280562;6506074034
? Authoraffiliationids: 60015197;60015986;60025153;60025153;60015986
? Corresponding: Caorsi S.

262.

? Title: Reconstruction algorithms for electromagnetic imaging
? Venue: IEEE Transactions on Instrumentation and Measurement
? Year: 2004
? Type: Journal
? Subtype: Article
? Citations: 24
? Doi: 10.1109/Tim.2004.827093
? Scopus ID: 2-s2.0-2942511377
? Issn: 00189456
? Volume: 53
? Issue: 3
? Pages: 692-699
? Authors: Pastorino Matteo; Caorsi Salvatore; Massa Andrea; Randazzo Andrea

? Keywords: Genetic algorithms | Imaging systems | Inversion techniques | Microwaves
? Quartile:
2025:
? Instrumentation (Q1, rank 16, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 119, percentile 88)
? Source Id: 15361
? Author Ids: 7004880389;7102084534;7005085831;7006280562
? Authoraffiliationids: 60025153;60015197;60015986;60025153
? Corresponding: Pastorino M.

263.

? Title: Electromagnetic detection of dielectric scatterers using phaseless synthetic and real data and the memetic algorithm
? Venue: IEEE Transactions on Geoscience and Remote Sensing
? Year: 2003
? Type: Journal
? Subtype: Article
? Citations: 55
? Doi: 10.1109/Tgrs.2003.815676
? Scopus ID: 2-s2.0-0442280595
? Issn: 01962892
? Volume: 41
? Issue: 12 Part I
? Pages: 2745-2753
? Authors: Caorsi Salvatore; Massa Andrea; Pastorino Matteo; Randazzo Andrea
? Keywords: Electromagnetic imaging | Elliptic cylinders | Genetic algorithms | Inverse scattering
? Quartile:
2025:
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)
? Source Id: 17360
? Author Ids: 7102084534;7005085831;7004880389;7006280562
? Authoraffiliationids: 60015197;60015986;60025153;60025153
? Corresponding: Caorsi S.

264.

? 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.

265.

? Title: Multi-illumination approach based on a memetic algorithm for the electromagnetic imaging of cylindrical inhomogeneities

? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference

? Year: 2003

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Scopus ID: 2-s2.0-0038507605

? Volume: 1

? Pages: 653-658

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

? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 634, percentile 36)

? Source Id: 15045

? Author Ids: 7102084534;7005085831;7004880389;7006280562

? Authoraffiliationids: 60015197;60015986;60025153;60025153

? Corresponding: Caorsi S.

266.

? Title: A reconstruction procedure for microwave nondestructive evaluation based on a numerically computed green's function

? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference

? Year: 2003

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 6

? Scopus ID: 2-s2.0-0037493673

? Volume: 1

? Pages: 669-674

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

? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 634, percentile 36)

? Source Id: 15045

? Author Ids: 7102084534;7005085831;7004880389;7006280562;6506074034

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

? Corresponding: Caorsi S.

267.

? Title: Digital-image formation based on the inversion of microwave scattering data

? Venue: Proceedings of the 8th International Workshop on ADC Modelling and Testing Iwadc 2003

? Year: 2003

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Scopus ID: 2-s2.0-85084022228

? Authors: Caorsi S.; Donelli M.; Gragnani G. L.; Massa A.; Pastorino M.; Randazzo A.

? Keywords: Imaging systems | Inversion techniques | Microwaves

? Source Id: 21100932446

? Author Ids: 7102084534;7006135869;6701681576;7005085831;7004880389;7006280562

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

? Corresponding: Caorsi S.

268.

? Title: Reconstruction algorithms for electromagnetic imaging

? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference

? Year: 2002

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 8

? Scopus ID: 2-s2.0-0036053305

? Volume: 2

? Pages: 1695-1700

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

? Keywords: Genetic algorithms | Imaging systems | Inversion techniques | Microwaves

? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 634, percentile 36)

? Source Id: 15045

? Author Ids: 7004880389;7102084534;7005085831;7006280562

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Pastorino M.

269.

? Title: Active imaging approach for NDE applications based on a hybrid genetic algorithm

? Venue: 2001 31st European Microwave Conference Eumc 2001

? Year: 2001

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Euma.2001.339114

? Scopus ID: 2-s2.0-84897549258

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

? Source Id: 21100301425

? Author Ids: 7004880389;7102084534;7005085831;7006280562

? Authoraffiliationids: 60025153;60015197;60015986;60025153

? Corresponding: Pastorino M.