

FEDELI ALESSANDRO

Overview

? Unit: ICT
? Role: Professore associato
? Grade: Prof.Associato Legge 240/10 - t.pieno - classe 0
? SSD: IINF-02/A (Campi elettromagnetici)
? Scopus ID: 55512997500
? Unige Id: 327212
? Retrieved at: 2025-11-14T15:16:51.462218

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Career

? Ar, 2017-02-01 ? 2018-01-31
? Rd, 2018-02-01 ? 2024-06-30
? Pa, 2024-07-01 ? 2222-02-02

Teaching

2025

? Emissione Acustica Ed Elettromagnetica Della Nave (60338), Lm-34 - Ingegneria Navale
? Emissione Acustica Ed Elettromagnetica Della Nave (60338), Lm-34 - Ingegneria Navale
? Remote Sensing And Satellite Images (104827), Lm-27 - Internet And Multimedia Engineering
? Electromagnetic Sensing And Imaging (114765), Lm-29 - Electronic Engineering
? Electromagnetic Sensing And Imaging (114765), Lm-29 - Electronic Engineering
? Radio Frequency And Microwave Circuits (114755), Lm-29 - Electronic Engineering
? Radio Frequency And Microwave Circuits (114755), Lm-29 - Electronic Engineering
? Yacht Navigation Support Systems (66396), Lm-34 - Yacht Design
? Electromagnetic Propagation (90317), Lm-27 - Internet And Multimedia Engineering

2024

? Electromagnetic Sensing And Imaging (106823), Lm-29 - Ingegneria Elettronica
? Radio-Frequency And Microwave Circuits (106782), Lm-29 - Ingegneria Elettronica
? Electromagnetic Sensing And Imaging (106823), Lm-29 - Ingegneria Elettronica
? Emissione Acustica Ed Elettromagnetica Della Nave (60338), Lm-34 - Ingegneria Navale
? Yacht Navigation Support Systems (66396), Lm-34 - Yacht Design
? Remote Sensing And Satellite Images (104827), Lm-27 - Internet And Multimedia Engineering

2023

? Electromagnetic Sensing And Imaging (106823), Lm-29 - Ingegneria Elettronica
? Radio-Frequency And Microwave Circuits (106782), Lm-29 - Ingegneria Elettronica
? Electromagnetic Sensing And Imaging (106823), Lm-29 - Ingegneria Elettronica
? Emissione Acustica Ed Elettromagnetica Della Nave (60338), Lm-34 - Ingegneria Navale
? Yacht Navigation Support Systems (66396), Lm-34 - Yacht Design
? Remote Sensing And Satellite Images (104827), Lm-27 - Internet And Multimedia Engineering

2022

- ? Electromagnetic Sensing And Imaging (106823), Lm-29 - Ingegneria Elettronica
- ? Radio-Frequency And Microwave Circuits (106782), Lm-29 - Ingegneria Elettronica
- ? Yacht Navigation Support Systems (66396), Lm-34 - Yacht Design
- ? Remote Sensing And Satellite Images (104827), Lm-27 - Internet And Multimedia Engineering

2021

- ? Guiding Electromagnetic Circuits & Systems (72391), Lm-29 - Ingegneria Elettronica
- ? Electromagnetic Sensing And Imaging (106823), Lm-29 - Ingegneria Elettronica
- ? Remote Sensing And Satellite Images (104827), Lm-27 - Internet And Multimedia Engineering

2020

- ? Guiding Electromagnetic Circuits & Systems (72391), Lm-29 - Ingegneria Elettronica

Scopus Metrics

- ? absolute; Docs: 138; Journals: 55; Conferences: 80; Citations: 1297; H-index: 22
- ? 15 years (2010-2025); Docs: 138; Journals: 55; Conferences: 80; Citations: 1297; H-index: 22
- ? 10 years (2015-2025); Docs: 133; Journals: 54; Conferences: 76; Citations: 1277; H-index: 22
- ? 05 years (2020-2025); Docs: 80; Journals: 37; Conferences: 40; Citations: 716; H-index: 16

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: 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.

3.

? 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.

4.

? 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.

5.

? 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.

6.

? 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.

7.

? 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.

8.

? 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.

9.

? 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.

10.

? 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.

11.

? 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.

12.

? 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/PtvI2537

? 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.

13.

? 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.

14.

? 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.

15.

? 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.

16.

? 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.

17.

? 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.

18.

? 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.

19.

? 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.

20.
? Title: Prognostic Role of Soluble and Extracellular Vesicle-Associated PD-L1, B7-H3 and B7-H4 in Non-Small Cell Lung Cancer Patients Treated with Immune Checkpoint Inhibitors
? Venue: Cells
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 25
? DOI: 10.3390/cells12060832
? Scopus ID: 2-s2.0-85151108499
? eISSN: 20734409
? Volume: 12
? Issue: 6
? Authors: Genova Carlo; Tasso Roberta; Rosa Alessandra; Rossi Giovanni; Reverberi Daniele; Fontana Vincenzo; Marconi Silvia; Croce Michela; Dal Bello Maria Giovanna; Dellepiane Chiara; Tagliamento Marco; Ciferri Maria Chiara; Zullo Lodovica; Fedeli Alessandro; Alama Angela; Cortese Katia; Gentili Chiara; Cella Eugenia; Anselmi Giorgia; Mora Marco; Barletta Giulia; Rijavec Erika; Grossi Francesco; Pronzato Paolo; Coco Simona
? Keywords: B7-H3 | B7-H4 | extracellular vesicle | immune checkpoint inhibitors | NSCLC | PD-L1 | platelets | prognosis | soluble protein
? Quartile:
2025:
? Biochemistry, Genetics and Molecular Biology (all) (Q1, rank 24, percentile 89)
2023:
? Biochemistry, Genetics and Molecular Biology (all) (Q1, rank 35, percentile 84)
? Source Id: 21100978391
? Author Ids: 54989280100;8603216700;48662963800;43060915800;21646717500;7006017144;57215473178;7005502749;55250437000;56609215800;57194081976;57214989225;57214314362;5551299

7500;7003608481;57189448178;7004585322;57864261600;57208468363;17135784900;54984493800;
18435270300;7006048215;7005083276;7005659776
? Authoraffiliationids: 60107402-60025153;60025153-60107402;60107402;60107402-
60010110;60107402;60107402;60107402;60107402;60107402;60107402;60025153;60025153;601074
02;60025153;60107402;60025153;60025153-
60107402;60107402;60107402;60107402;60107402;60005400;60005400;60107402;60107402
? Corresponding: Genova C.

21.

? 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/MetroXRAINE58569.2023.10405642
? 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;700
4880389;7006280562;9739222400
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Fedeli A.

22.

? 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;700
4136693;7006280562
? Authoraffiliationids:
60025153;60025153;60016041;60025153;60025153;60016041;60025153;60025153

? Corresponding: Schenone V.

23.

? 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.

24.

? 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.

25.

? 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
? Corresponding: Schenone V.

26.

? 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.

27.

? 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.

28.

? 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.

29.

? 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.

30.

? 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.

31.

? 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.

32.

? 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.

33.

? 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.

34.

? 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.

35.

? 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.

36.

? 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.

37.

? 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.

38.

? 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.

39.

? 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.

40.

? 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.

41.

? 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 Katiusia; 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.

42.

? 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.

43.

? Title: Exploring Response to Immunotherapy in Non-Small Cell Lung Cancer Using Delta-Radiomics
? Venue: Cancers
? Year: 2022
? Type: Journal
? Subtype: Article
? Citations: 41
? DOI: 10.3390/cancers14020350
? Scopus ID: 2-s2.0-85122709013
? eISSN: 20726694
? Volume: 14
? Issue: 2
? Authors: Barabino Emanuele; Rossi Giovanni; Pamparino Silvia; Fiannacca Martina; Caprioli Simone; Fedeli Alessandro; Zullo Lodovica; Vagge Stefano; Cittadini Giuseppe; Genova Carlo
? Keywords: AntiPD1 | Delta-radiomics | Immune checkpoint inhibitor | Immunotherapy | NSCLC | Predictive value | Radiomics
? Quartile:

2025:

? Oncology (Q1, rank 65, percentile 84)

? Cancer Research (Q2, rank 60, percentile 74)

2022:

? Oncology (Q1, rank 90, percentile 75)

? Cancer Research (Q2, rank 82, percentile 61)

? Source Id: 19700188419

? Author Ids: 57203657907;43060915800;57211658461;57208621325;57224641483;55512997500;57214314362;35742063000;7006524987;54989280100

? Authoraffiliationids: 124153059;60107402-

60010110;60107402;60107402;60107402;60025153;60107402;60107402;60107402;60107402-60025153

? Corresponding: Barabino E.

44.

? 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.

45.

? 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;7006280562;22035972900

? Authoraffiliationids:

60015986;60025153;60025153;60015986;60025153;60015986;60025153;60015986

? Corresponding: Salucci M.

46.

? Title: Electromagnetic scattering and its applications: From low frequencies to photonics

? Venue: Electronics Switzerland

? Year: 2021

? Type: Journal

? Subtype: Editorial

? Citations: 1

? DOI: 10.3390/electronics10192352

? Scopus ID: 2-s2.0-85115754391

? eISSN: 20799292

? Volume: 10

? Issue: 19

? Authors: Fedeli Alessandro; Gragnani Gian Luigi

? 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;6701681576

? Authoraffiliationids: 60025153;60025153

? Corresponding: Fedeli A.

47.

? 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.

48.

? 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.

49.

? 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.

50.

? 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.

51.

? 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.

52.

? 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.

53.

? 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.

54.

? 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.

55.

? 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.

56.

? 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.

57.

? 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.

58.

? 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.

59.

? 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.

60.

? Title: Radiomic Detection of EGFR Mutations in NSCLC
? Venue: Cancer Research
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 90
? Doi: 10.1158/0008-5472.Can-20-0999
? Scopus ID: 2-s2.0-85100434580
? Issn: 00085472
? eISSN: 15387445
? Volume: 81
? Issue: 3
? Pages: 724-731
? Authors: Rossi Giovanni; Barabino Emanuele; Fedeli Alessandro; Ficarra Gianluca; Coco Simona; Russo Alessandro; Adamo Vincenzo; Buemi Francesco; Zullo Lodovica; Dono Mariella; de Luca Giuseppa; Longo Luca; Dal Bello Maria Giovanna; Tagliamento Marco; Alama Angela; Cittadini Giuseppe; Pronzato Paolo; Genova Carlo
? Quartile:
2025:
? Oncology (Q1, rank 26, percentile 93)
? Cancer Research (Q1, rank 20, percentile 91)
2021:
? Oncology (Q1, rank 22, percentile 94)
? Cancer Research (Q1, rank 19, percentile 91)
? Source Id: 29183
? Author Ids: 43060915800;57203657907;55512997500;57208244032;7005659776;56501269800;7004453529;55632094800;57214314362;7004090948;57216787990;7102297406;55250437000;57194081976;7003608481;7006524987;7005083276;54989280100
? Authoraffiliationids: 60107402-60010110;60083749;60025153;60107402;60107402;60011576;60011576;60011576;60107402;60107402;60107402;60107402;60107402;60107402;60107402;60083749;60107402;60107402-60025153
? Corresponding: Rossi G.

61.

? 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.

62.

? 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.

63.

? 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.

64.

? 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.

65.

? 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.

66.

? 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.

67.

? Title: Microwave tomography with LSTM-based processing of the scattered field
? Venue: IEEE Open Journal of Antennas and Propagation
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 17
? Doi: 10.1109/Ojap.2021.3057060
? Scopus ID: 2-s2.0-85107168853
? eISSN: 26376431
? Volume: 2
? Pages: 213-223
? Authors: Fedeli Alessandro
? Keywords: inverse scattering | long short-term memory | Microwave imaging
? 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: 55512997500
? Authoraffiliationids: 60025153
? Corresponding: Fedeli A.

68.

? 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.

69.

? 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.

70.

? 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;6603

887757;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.

71.

? 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.

72.

? 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.

73.

? 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.

74.

? 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.

75.

? 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.

76.

? 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.

77.

? 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.

78.

? 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.

79.

? 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.

80.

? 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.

81.

? 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.

82.

? Title: Numerical Experiments with Open Source Programs for Antenna Design

? Venue: Proceedings of 2019 IEEE Microwave Theory and Techniques in Wireless Communications Mttw 2019

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Mttw.2019.8897221

? Scopus ID: 2-s2.0-85075640070

? Pages: 34-38

? Authors: Fedeli Alessandro; Gragnani Gian Luigi; Montecucco Claudio

? Keywords: antennas | electromagnetic simulation | Open source

? Source Id: 21100936641

? Author Ids: 55512997500;6701681576;57193430051

? Authoraffiliationids: 60025153;60025153;123295368

? Corresponding: Fedeli A.

83.

? 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.

84.

? 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.

85.

? 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.

86.

? 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.

87.

? 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.

88.

? Title: Open-source software for electromagnetic scattering simulation: The case of antenna design

? Venue: Electronics Switzerland

? Year: 2019

? Type: Journal

? Subtype: Review

? Citations: 28

? DOI: 10.3390/electronics8121506

? Scopus ID: 2-s2.0-85077385179

? eISSN: 20799292

? Volume: 8

? Issue: 12
? Authors: Fedeli Alessandro; Montecucco Claudio; Gragnani Gian Luigi
? Keywords: Antenna design | Computational electromagnetics | Open-source software | Simulation
? 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;57193430051;6701681576
? Authoraffiliationids: 60025153;123295368;60025153
? Corresponding: Fedeli A.

89.

? 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.

90.

? 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.

91.

? 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
? Corresponding: Bisio I.

92.

? 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.

93.

? 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.

94.

? 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.

95.

? 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.

96.

? 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;60101870;60025153;60025153;60025153
 ? Corresponding: Maffongelli M.

97.

? 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.

98.

? 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.

99.

? 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.

100.

? 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.

101.

? 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.

102.

? 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   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.

103.

? 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.

104.

? 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.

105.

? 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.

106.

? 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.

107.

? 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.

108.

? 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.

109.

? 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.

110.

? 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.

111.

? 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.

112.

? 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.

113.

? 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.

114.

? 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.

115.

? 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.

116.

? 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.

117.

? 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.

118.

? 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.

119.

? 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.

120.

? 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.

121.

? 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.

122.

? 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.

123.

? 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.

124.

? 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.

125.

? 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.

126.

? Title: Microwave imaging of dielectric targets by means of an inexact-Newton method in Lp 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.

127.

? 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.

128.

? Title: A multifrequency inexact-Newton method in Lp 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.

129.

? Title: Quantitative microwave imaging in Lp 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.

130.

? 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;127247793;60025153;60025153;60025153
? Corresponding: Maffongelli M.

131.

? 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.

132.

? 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^o 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.

133.

? 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.

134.

? 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.

135.

? 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.

136.

? 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.

137.

? Title: Microwave imaging of elliptically shaped dielectric cylinders by means of an L_p 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.

138.

? 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.