

TRUCCO ANDREA

Overview

- ? Unit: ICT
- ? Role: Professore ordinario
- ? Grade: Prof.Ordinario Legge 240/10 - t.pieno - classe 4
- ? SSD: IINF-03/A (Telecomunicazioni)
- ? Scopus ID: 7007035725
- ? Unige Id: 055352
- ? Retrieved at: 2025-11-14T15:18:06.308648

Contact

- ? Email: andrea.trucco@unige.it
- ? Phone: +39 010 33 52253
- ? Website: http://spt.dibe.unige.it/A3US/trucco_index.html
- ? Page: <https://rubrica.unige.it/personale/VUZCWF9r>
- ? Locations: Opera Pia - padiglione C (Ex CNR) (ED161450501), 1° piano, US161450501.I.021

Career

- ? Pa, 2012-05-01 ? 2016-01-31
- ? Po, 2016-02-01 ? 2222-02-02

Responsibilities

- ? Title: Componente della Commissione paritetica docenti-studenti di scuola
- ? Unit: Scuola politecnica
- ? Period: 2025-11-01 ? 2027-10-31

Teaching

2025

- ? Comunicazioni Elettriche (107330), L-8 - Ingegneria Biomedica
- ? Comunicazioni Elettriche (107330), L-8 - Ingegneria Biomedica
- ? Fundamentals Of Telecommunications And Signal Processing (114623), L-8 - Ingegneria Informatica
- ? Fundamentals Of Telecommunications And Signal Processing (114623), L-8 - Ingegneria Informatica
- ? Emissione Acustica Ed Elettromagnetica Della Nave (60338), Lm-34 - Ingegneria Navale
- ? Segnali E Sistemi Per Le Telecomunicazioni (72512), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione

2024

- ? Fondamenti Di Telecomunicazioni (84396), Lm-28 - Ingegneria Elettrica
- ? Emissione Acustica Ed Elettromagnetica Della Nave (60338), Lm-34 - Ingegneria Navale
- ? Segnali E Sistemi Per Le Telecomunicazioni (72512), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione

2023

- ? Fondamenti Di Telecomunicazioni (84396), Lm-28 - Ingegneria Elettrica
- ? Emissione Acustica Ed Elettromagnetica Della Nave (60338), Lm-34 - Ingegneria Navale
- ? Segnali E Sistemi Per Le Telecomunicazioni (72512), L-8 - Ingegneria Elettronica E Tecnologie Dell'Informazione

2022

- ? Fondamenti Di Telecomunicazioni (84396), Lm-28 - Ingegneria Elettrica
- ? Emissione Acustica Ed Elettromagnetica Della Nave (60338), Lm-34 - Ingegneria Navale

? Segnali E Sistemi Per Le Telecomunicazioni (72512), L-8 - Ingegneria Elettronica E
Tecnologie Dell'Informazione

2021

? Fondamenti Di Telecomunicazioni (84396), Lm-28 - Ingegneria Elettrica
? Emissione Acustica Ed Elettromagnetica Della Nave (60338), Lm-34 - Ingegneria Navale
? Segnali E Sistemi Per Le Telecomunicazioni (72512), L-8 - Ingegneria Elettronica E
Tecnologie Dell'Informazione

2020

? Fondamenti Di Telecomunicazioni (84396), Lm-28 - Ingegneria Elettrica
? Emissione Acustica Ed Elettromagnetica Della Nave (60338), Lm-34 - Ingegneria Navale
? Segnali E Sistemi Per Le Telecomunicazioni (72512), L-8 - Ingegneria Elettronica E
Tecnologie Dell'Informazione

Scopus Metrics

? absolute; Docs: 175; Journals: 95; Conferences: 76; Citations: 3207; H-index: 27
? 15 years (2010-2025); Docs: 72; Journals: 42; Conferences: 28; Citations: 1134; H-index:
18
? 10 years (2015-2025); Docs: 38; Journals: 26; Conferences: 10; Citations: 593; H-index:
13
? 05 years (2020-2025); Docs: 11; Journals: 11; Conferences: 0; Citations: 61; H-index: 5

Scopus Products

1.
 - ? Title: Regularized PCA-Based Prediction of Wind Turbine Underwater Noise From Few Unbalanced Observations
 - ? Venue: IEEE Journal of Oceanic Engineering
 - ? Year: 2025
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 0
 - ? Doi: 10.1109/Joe.2025.3565788
 - ? Scopus ID: 2-s2.0-105010309720
 - ? Issn: 03649059
 - ? eISSN: 15581691
 - ? Volume: 50
 - ? Issue: 4
 - ? Pages: 3264-3281
 - ? Authors: Trucco Andrea; Neves Silvana
 - ? Keywords: Offshore wind turbine | principal component analysis (PCA) | regularization | spectral prediction | underwater noise
 - ? Quartile:
 - 2025:
 - ? Ocean Engineering (Q1, rank 11, percentile 90)
 - ? Mechanical Engineering (Q1, rank 88, percentile 88)
 - ? Electrical and Electronic Engineering (Q1, rank 135, percentile 86)
 - ? Source Id: 17277
 - ? Author Ids: 7007035725;57113210100
 - ? Authoraffiliationids: 60025153-60103966;60117420
 - ? Corresponding: Trucco A.
2.
 - ? Title: Predicting Underwater Noise Spectra Dominated by Wind Turbine Contributions
 - ? Venue: IEEE Journal of Oceanic Engineering

? Year: 2024
? Type: Journal
? Subtype: Article
? Citations: 1
? Doi: 10.1109/Joe.2024.3415753
? Scopus ID: 2-s2.0-85207460971
? Issn: 03649059
? eISSN: 15581691
? Volume: 49
? Issue: 4
? Pages: 1675-1694
? Authors: Trucco Andrea
? Keywords: Offshore wind turbine | principal component analysis (PCA) | spectral prediction | supervised and unsupervised learning | underwater noise
? Quartile:
2025:
? Ocean Engineering (Q1, rank 11, percentile 90)
? Mechanical Engineering (Q1, rank 88, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 135, percentile 86)
2024:
? Ocean Engineering (Q1, rank 7, percentile 94)
? Mechanical Engineering (Q1, rank 75, percentile 89)
? Electrical and Electronic Engineering (Q1, rank 115, percentile 88)
? Source Id: 17277
? Author Ids: 7007035725
? Authoraffiliationids: 60025153
? Corresponding: Trucco A.

3.
? Title: Applying collective motion models to study discordant individual behaviours within a school of fish
? Venue: Royal Society Open Science
? Year: 2023
? Type: Journal
? Subtype: Article
? Citations: 2
? DOI: 10.1098/rsos.231618
? Scopus ID: 2-s2.0-85179686840
? eISSN: 20545703
? Volume: 10
? Issue: 12
? Authors: Trucco Andrea
? Keywords: collective motion | counter-rotation | individual emergent behaviour | milling | school of fish | self-propelled particle model
? Quartile:
2025:
? Multidisciplinary (Q1, rank 34, percentile 83)
2023:
? Multidisciplinary (Q1, rank 19, percentile 89)
? Source Id: 21100446014
? Author Ids: 7007035725
? Authoraffiliationids: 60025153-60103966
? Corresponding: Trucco A.

4.
? Title: Introducing Temporal Correlation in Rainfall and Wind Prediction From

Underwater Noise

? Venue: IEEE Journal of Oceanic Engineering

? Year: 2023

? Type: Journal

? Subtype: Article

? Citations: 7

? Doi: 10.1109/Joe.2022.3223406

? Scopus ID: 2-s2.0-85147223659

? Issn: 03649059

? eISSN: 15581691

? Volume: 48

? Issue: 2

? Pages: 349-364

? Authors: Trucco Andrea; Barla Annalisa; Bozzano Roberto; Pensieri Sara; Verri Alessandro; Solarna David

? Keywords: Acoustical meteorology | machine learning (ML) | rainfall intensity prediction | regression | temporal correlation | underwater noise | wind speed prediction

? Quartile:

2025:

? Ocean Engineering (Q1, rank 11, percentile 90)

? Mechanical Engineering (Q1, rank 88, percentile 88)

? Electrical and Electronic Engineering (Q1, rank 135, percentile 86)

2023:

? Ocean Engineering (Q1, rank 4, percentile 96)

? Mechanical Engineering (Q1, rank 54, percentile 92)

? Electrical and Electronic Engineering (Q1, rank 101, percentile 87)

? Source Id: 17277

? Author Ids: 7007035725;56820306000;6602292250;35311650600;57193129975;57192703421

? Authoraffiliationids: 60025153;60121711;60021199;60021199;60025153;60025153

? Corresponding: Trucco A.

5.

? Title: Compounding Approaches for Wind Prediction From Underwater Noise by Supervised Learning

? Venue: IEEE Journal of Oceanic Engineering

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 7

? Doi: 10.1109/Joe.2022.3162689

? Scopus ID: 2-s2.0-85131722694

? Issn: 03649059

? eISSN: 15581691

? Volume: 47

? Issue: 4

? Pages: 1172-1187

? Authors: Trucco Andrea; Barla Annalisa; Bozzano Roberto; Fava Emanuele; Pensieri Sara; Verri Alessandro; Solarna David

? Keywords: Acoustical meteorology | noise analysis | random forest (RF) | regression | supervised machine learning | underwater acoustics | wind speed prediction

? Quartile:

2025:

? Ocean Engineering (Q1, rank 11, percentile 90)

? Mechanical Engineering (Q1, rank 88, percentile 88)

? Electrical and Electronic Engineering (Q1, rank 135, percentile 86)

2022:

? Ocean Engineering (Q1, rank 7, percentile 93)

? Mechanical Engineering (Q1, rank 67, percentile 89)

? Electrical and Electronic Engineering (Q1, rank 103, percentile 86)

? Source Id: 17277

? Author Ids:

7007035725;56820306000;6602292250;57239033800;35311650600;57193129975;57192703421

? Authoraffiliationids: 60025153;60121711;60021199;60121711;60021199;60121711;60025153

? Corresponding: Trucco A.

6.

? Title: Analysis of particle size distribution in municipal wastewaters

? Venue: Environmental Technology and Innovation

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 5

? DOI: 10.1016/j.eti.2022.102638

? Scopus ID: 2-s2.0-85130388387

? eISSN: 23521864

? Volume: 27

? Authors: Cornacchia Matteo; Moser Gabriele; Saturno Ezio; Trucco Andrea; Costamagna Paola

? Keywords: Laser diffraction | Modeling | Municipal wastewater | Particle size distribution (PSD) | Probability density function (PDF)

? Quartile:

2025:

? Plant Science (Q1, rank 16, percentile 97)

? Soil Science (Q1, rank 7, percentile 96)

? Environmental Science (all) (Q1, rank 12, percentile 95)

2022:

? Plant Science (Q1, rank 27, percentile 94)

? Soil Science (Q1, rank 14, percentile 90)

? Environmental Science (all) (Q1, rank 26, percentile 88)

? Source Id: 21100385961

? Author Ids: 57219565499;7101795745;57204182713;7007035725;7003269793

? Authoraffiliationids: 60025153-128128010;60025153;128128010;60025153;60025153

? Corresponding: Cornacchia M.

7.

? Title: Where Do We Stand in Regularization for Life Science Studies?

? Venue: Journal of Computational Biology

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 5

? DOI: 10.1089/cmb.2019.0371

? Scopus ID: 2-s2.0-85126152410

? Issn: 10665277

? Volume: 29

? Issue: 3

? Pages: 213-232

? Authors: Tozzo Veronica; Azencott Chlo^ Agathe; Fiorini Samuele; Fava Emanuele; Trucco Andrea; Barla Annalisa

? Keywords: life sciences | regularization | supervised learning | unsupervised

learning

? Quartile:

2025:

- ? Computational Mathematics (Q2, rank 76, percentile 63)
- ? Computational Theory and Mathematics (Q2, rank 77, percentile 62)
- ? Modeling and Simulation (Q2, rank 152, percentile 59)
- ? Genetics (Q3, rank 224, percentile 37)
- ? Molecular Biology (Q3, rank 299, percentile 27)

2022:

- ? Computational Mathematics (Q2, rank 64, percentile 63)
- ? Computational Theory and Mathematics (Q2, rank 63, percentile 62)
- ? Modeling and Simulation (Q2, rank 141, percentile 55)
- ? Genetics (Q3, rank 235, percentile 28)
- ? Molecular Biology (Q4, rank 302, percentile 20)

? Source Id: 29581

? Author Ids: 57201085336;16644899600;57038509000;57239033800;7007035725;56820306000

? Authoraffiliationids:

60025153;60030506-60108665-60000905;121884954;60025153;60025153;60025153

? Corresponding: Tozzo V.

8.

- ? Title: The Statistics of Superdirective Beam Patterns
- ? Venue: IEEE Transactions on Signal Processing
- ? Year: 2022
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 10
- ? Doi: 10.1109/Tsp.2022.3156700
- ? Scopus ID: 2-s2.0-85126302175
- ? Issn: 1053587x
- ? eISSN: 19410476
- ? Volume: 70
- ? Pages: 1959-1975
- ? Authors: Trucco Andrea
- ? Keywords: beam pattern statistics | Beamforming | correlation | quantile functions | random errors | Rician PDF | robust superdirectivity | superdirective arrays

? Quartile:

2025:

- ? Electrical and Electronic Engineering (Q1, rank 79, percentile 92)
- ? Signal Processing (Q1, rank 18, percentile 91)

2022:

- ? Electrical and Electronic Engineering (Q1, rank 74, percentile 90)
- ? Signal Processing (Q1, rank 13, percentile 89)

? Source Id: 17391

? Author Ids: 7007035725

? Authoraffiliationids: 60102151-60025153

? Corresponding: Trucco A.

9.

- ? Title: A Supervised Learning Approach for Rainfall Detection From Underwater Noise Analysis
- ? Venue: IEEE Journal of Oceanic Engineering
- ? Year: 2022
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 10

? Doi: 10.1109/Joe.2021.3091769
? Scopus ID: 2-s2.0-85113896023
? Issn: 03649059
? eISSN: 15581691
? Volume: 47
? Issue: 1
? Pages: 213-225
? Authors: Trucco Andrea; Bozzano Roberto; Fava Emanuele; Pensieri Sara; Verri Alessandro; Barla Annalisa
? Keywords: Acoustical meteorology | machine learning | noise analysis | rainfall detection | supervised learning | underwater acoustics
? Quartile:
2025:
? Ocean Engineering (Q1, rank 11, percentile 90)
? Mechanical Engineering (Q1, rank 88, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 135, percentile 86)
2022:
? Ocean Engineering (Q1, rank 7, percentile 93)
? Mechanical Engineering (Q1, rank 67, percentile 89)
? Electrical and Electronic Engineering (Q1, rank 103, percentile 86)
? Source Id: 17277
? Author Ids: 7007035725;6602292250;57239033800;35311650600;57193129975;56820306000
? Authoraffiliationids: 60025153;60021199;60025153;60021199;60121711;60121711
? Corresponding: Trucco A.

10.
? Title: Wideband 2-D sparse array optimization combined with multiline reception for real-time 3-D medical ultrasound
? Venue: Ultrasonics
? Year: 2021
? Type: Journal
? Subtype: Article
? Citations: 9
? DOI: 10.1016/j.ultras.2020.106318
? Scopus ID: 2-s2.0-85097740914
? Issn: 0041624x
? Volume: 111
? Authors: Sciallero Claudia; Trucco Andrea
? Keywords: 2-D arrays | 3-D medical ultrasound | Simulated annealing | Sparse array
? Quartile:

2025:
? Acoustics and Ultrasonics (Q1, rank 5, percentile 91)
2021:
? Acoustics and Ultrasonics (Q1, rank 4, percentile 91)
? Source Id: 13516
? Author Ids: 22035995400;7007035725
? Authoraffiliationids: 60025153;60025153
? Corresponding: Sciallero C.

11.
? Title: Superdirective Robust Algorithms? Comparison for Linear Arrays
? Venue: Acoustics
? Year: 2020
? Type: Journal
? Subtype: Article
? Citations: 5

? DOI: 10.3390/acoustics2030038
? Scopus ID: 2-s2.0-85101488601
? eISSN: 2624599X
? Volume: 2
? Issue: 3
? Pages: 707-718
? Authors: Greco Danilo; Trucco Andrea
? Keywords: broadband beamforming | frequency-invariant beam pattern | robust beamforming | sequential quadratic programming | superdirective arrays
? Quartile:
2025:
? Acoustics and Ultrasonics (Q2, rank 21, percentile 61)
? Source Id: 21101087776
? Author Ids: 57197399855;7007035725
? Authoraffiliationids: 60025153-60102151;60025153
? Corresponding: Greco D.

12.

? Title: Data-driven fault diagnosis in SOFC-based power plants under off-design operating conditions
? Venue: International Journal of Hydrogen Energy
? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 24
? DOI: 10.1016/j.ijhydene.2019.09.128
? Scopus ID: 2-s2.0-85073022701
? Issn: 03603199
? Volume: 44
? Issue: 54
? Pages: 29002-29006
? Authors: Costamagna Paola; De Giorgi Andrea; Moser Gabriele; Pellaco Lissy; Trucco Andrea
? Keywords: Distributed electric generation | Energy systems | Fault detection and isolation (FDI) | Mathematical modelling | Pattern recognition | Solid oxide fuel cell (SOFC)
? Quartile:
2025:
? Condensed Matter Physics (Q1, rank 18, percentile 96)
? Energy Engineering and Power Technology (Q1, rank 23, percentile 93)
? Fuel Technology (Q1, rank 15, percentile 89)
? Renewable Energy, Sustainability and the Environment (Q1, rank 46, percentile 85)
2019:
? Condensed Matter Physics (Q1, rank 31, percentile 92)
? Energy Engineering and Power Technology (Q1, rank 22, percentile 90)
? Fuel Technology (Q1, rank 13, percentile 87)
? Renewable Energy, Sustainability and the Environment (Q1, rank 29, percentile 84)
? Source Id: 26991
? Author Ids: 7003269793;56195544300;7101795745;56195782300;7007035725
? Authoraffiliationids: 60025153;60025153;60025153;60002014;60025153
? Corresponding: Costamagna P.

13.

? Title: Data-driven techniques for fault diagnosis in power generation plants based on solid oxide fuel cells
? Venue: Energy Conversion and Management

? Year: 2019
? Type: Journal
? Subtype: Article
? Citations: 50
? DOI: 10.1016/j.enconman.2018.10.107
? Scopus ID: 2-s2.0-85056198581
? Issn: 01968904
? Volume: 180
? Pages: 281-291
? Authors: Costamagna Paola; De Giorgi Andrea; Moser Gabriele; Serpico Sebastiano B.; Trucco Andrea
? Keywords: Data-driven fault diagnosis | Distributed electric generation | Fault detection and isolation | Random forest | Solid oxide fuel cells | Support vector machine
? Quartile:
2025:
? Nuclear Energy and Engineering (Q1, rank 2, percentile 98)
? Energy Engineering and Power Technology (Q1, rank 12, percentile 96)
? Fuel Technology (Q1, rank 7, percentile 95)
? Renewable Energy, Sustainability and the Environment (Q1, rank 21, percentile 93)
2019:
? Nuclear Energy and Engineering (Q1, rank 2, percentile 97)
? Energy Engineering and Power Technology (Q1, rank 6, percentile 97)
? Fuel Technology (Q1, rank 4, percentile 96)
? Renewable Energy, Sustainability and the Environment (Q1, rank 13, percentile 93)
? Source Id: 29372
? Author Ids: 7003269793;56195544300;7101795745;7005306316;7007035725
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153
? Corresponding: Costamagna P.

14.

? Title: Designing audio-visual tools to support multisensory disabilities
? Venue: Multimodal Behavior Analysis in the Wild Advances and Challenges
? Year: 2018
? Type: Book
? Subtype: Book Chapter
? Citations: 4
? Doi: 10.1016/B978-0-12-814601-9.00013-4
? Scopus ID: 2-s2.0-85067188286
? Pages: 79-102
? Authors: Noceti Nicoletta; Giuliani Luca; Sosa-Garcia Joan; Brayda Luca; Trucco Andrea; Odone Francesca
? Keywords: Assistive audio-visual tools | Complementary hearing aid | Sensorized glasses | Visual object recognition
? Source Id: 21100945969
? Author Ids: 24462257200;57188716062;55347757800;6506625090;7007035725;6602231198
? Authoraffiliationids: 60121711;60121711-60102151;60121711;60102151;60025153;60121711
? Corresponding: Noceti N.

15.

? Title: ROOM REFLECTORS ESTIMATION from SOUND by GREEDY ITERATIVE APPROACH
? Venue: ICASSP IEEE International Conference on Acoustics Speech and Signal Processing Proceedings
? Year: 2018
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 5
? Doi: 10.1109/Icassp.2018.8461640
? Scopus ID: 2-s2.0-85054234978
? Issn: 15206149
? Volume: 2018-April
? Pages: 6877-6881
? Authors: Crocco Marco; Trucco Andrea; Del Bue Alessio
? Keywords: Echo Labelling problem | NP-hard | Room Reconstruction | Structure from Sound
? Source Id: 110544
? Author Ids: 14048008100;7007035725;12752759400
? Authoraffiliationids: 60102151;60025153;60102151
? Corresponding: Crocco M.

16.

? Title: Audio Tracking in Noisy Environments by Acoustic Map and Spectral Signature
? Venue: IEEE Transactions on Cybernetics
? Year: 2018
? Type: Journal
? Subtype: Article
? Citations: 17
? Doi: 10.1109/Tcyb.2017.2711497
? Scopus ID: 2-s2.0-85021798915
? Issn: 21682267
? Volume: 48
? Issue: 5
? Pages: 1619-1632
? Authors: Crocco Marco; Martelli Samuele; Trucco Andrea; Zunino Andrea; Murino Vittorio
? Keywords: Acoustical imaging | audio classification | audio source localization | audio tracking | particle filter | spectral signature | tracking before detect
? Quartile:

2025:

? Control and Systems Engineering (Q1, rank 2, percentile 99)
? Information Systems (Q1, rank 3, percentile 99)
? Electrical and Electronic Engineering (Q1, rank 11, percentile 98)
? Computer Science Applications (Q1, rank 12, percentile 98)
? Software (Q1, rank 7, percentile 98)
? Human-Computer Interaction (Q1, rank 5, percentile 97)

2018:

? Control and Systems Engineering (Q1, rank 1, percentile 99)
? Computer Science Applications (Q1, rank 2, percentile 99)
? Information Systems (Q1, rank 2, percentile 99)
? Electrical and Electronic Engineering (Q1, rank 6, percentile 99)
? Human-Computer Interaction (Q1, rank 2, percentile 98)
? Software (Q1, rank 9, percentile 97)

? Source Id: 21100274221
? Author Ids: 14048008100;36470627600;7007035725;57201591775;7006595496
? Authoraffiliationids:
60102151;60102151;60102151-60025153;60102151-60025153;60102151-60032256
? Corresponding: Crocco M.

17.

? Title: Uncalibrated 3D room geometry estimation from sound impulse responses
? Venue: Journal of the Franklin Institute
? Year: 2017

? Type: Journal
? Subtype: Article
? Citations: 17
? DOI: 10.1016/j.jfranklin.2017.10.024
? Scopus ID: 2-s2.0-85034426856
? Issn: 00160032
? Volume: 354
? Issue: 18
? Pages: 8678-8709
? Authors: Crocco Marco; Trucco Andrea; Del Bue Alessio
? Quartile:
2025:
? Applied Mathematics (Q1, rank 59, percentile 91)
? Signal Processing (Q1, rank 39, percentile 80)
? Computer Networks and Communications (Q1, rank 134, percentile 75)
? Control and Systems Engineering (Q1, rank 94, percentile 75)
2017:
? Applied Mathematics (Q1, rank 27, percentile 94)
? Computer Networks and Communications (Q1, rank 39, percentile 86)
? Control and Systems Engineering (Q1, rank 34, percentile 85)
? Signal Processing (Q1, rank 17, percentile 83)
? Source Id: 27959
? Author Ids: 14048008100;7007035725;12752759400
? Authoraffiliationids: 60102151;60102151-60025153;60102151
? Corresponding: Crocco M.

18.
? Title: Diagnostics and Prognostics-Oriented Modeling of an NGSR Fuel Processor for Application in SOFC Systems
? Venue: Fuel Cells
? Year: 2017
? Type: Journal
? Subtype: Article
? Citations: 7
? DOI: 10.1002/fuce.201600187
? Scopus ID: 2-s2.0-85018424830
? Issn: 16156846
? eISSN: 16156854
? Volume: 17
? Issue: 4
? Pages: 517-534
? Authors: Pugliese F.; Trucco A.; Moser G.; Costamagna P.
? Keywords: Carbon Deposition | Chemical Reactor | Fault Detection and Isolation (FDI) | Fuel Cell | Fuel Cell System | Mathematical Modeling | Natural Gas Steam Reforming (NGSR) | Solid Oxide Fuel Cell (SOFC)
? Quartile:
2025:
? Energy Engineering and Power Technology (Q2, rank 122, percentile 62)
? Renewable Energy, Sustainability and the Environment (Q3, rank 164, percentile 47)
2017:
? Energy Engineering and Power Technology (Q1, rank 49, percentile 76)
? Renewable Energy, Sustainability and the Environment (Q2, rank 61, percentile 59)
? Source Id: 26541
? Author Ids: 56767743500;7007035725;7101795745;7003269793
? Authoraffiliationids: 60025153;60025153-60102151;60025153;60025153

- ? Corresponding: Pugliese F.
- 19.
- ? Title: Parametric Analysis of Ship Noise Spectra
 - ? Venue: IEEE Journal of Oceanic Engineering
 - ? Year: 2017
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 25
 - ? Doi: 10.1109/Joe.2016.2583798
 - ? Scopus ID: 2-s2.0-85027435343
 - ? Issn: 03649059
 - ? Volume: 42
 - ? Issue: 2
 - ? Pages: 424-438
 - ? Authors: Traverso Federico; Gaggero Tomaso; Tani Giorgio; Rizzuto Enrico; Trucco Andrea; Viviani Michele
 - ? Keywords: Cavitation noise | parametric analysis | ship noise spectrum
 - ? Quartile:
 - 2025:
 - ? Ocean Engineering (Q1, rank 11, percentile 90)
 - ? Mechanical Engineering (Q1, rank 88, percentile 88)
 - ? Electrical and Electronic Engineering (Q1, rank 135, percentile 86)
 - 2017:
 - ? Ocean Engineering (Q1, rank 5, percentile 95)
 - ? Mechanical Engineering (Q1, rank 64, percentile 88)
 - ? Electrical and Electronic Engineering (Q1, rank 104, percentile 84)
 - ? Source Id: 17277
 - ? Author Ids: 6602210571;55212255700;55355605100;6602173744;7007035725;58090077400
 - ? Authoraffiliationids: 60025153;60025153;60025153;60017293;60025153-60102151;60025153
 - ? Corresponding: Traverso F.
- 20.
- ? Title: Fault diagnosis strategies for SOFC-based power generation plants
 - ? Venue: Sensors Switzerland
 - ? Year: 2016
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 22
 - ? DOI: 10.3390/s16081336
 - ? Scopus ID: 2-s2.0-84988493385
 - ? Issn: 14248220
 - ? Volume: 16
 - ? Issue: 8
 - ? Authors: Costamagna Paola; De Giorgi Andrea; Gotelli Alberto; Magistri Loredana; Moser Gabriele; Sciaccaluga Emanuele; Trucco Andrea
 - ? Keywords: Fault detection and isolation (FDI) | Model-based and data-driven strategies | Pattern recognition | Quantitative modelling | Random forest (RF) | Solid oxide fuel cell (SOFC)
 - ? 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)
2016:
? Instrumentation (Q1, rank 19, percentile 82)
? Electrical and Electronic Engineering (Q1, rank 128, percentile 80)
? Atomic and Molecular Physics, and Optics (Q1, rank 41, percentile 75)
? Analytical Chemistry (Q2, rank 34, percentile 67)
? Biochemistry (Q2, rank 192, percentile 50)
? Source Id: 130124
? Author Ids:
7003269793;56195544300;57191269840;6603587580;7101795745;57191269353;7007035725
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60025153;60025153;60025153-60102151
? Corresponding: Costamagna P.

21.

? Title: Magnetic resonance and ultrasound contrast imaging of polymer-shelled microbubbles loaded with iron oxide nanoparticles
? Venue: Royal Society Open Science
? Year: 2016
? Type: Journal
? Subtype: Article
? Citations: 27
? DOI: 10.1098/rsos.160063
? Scopus ID: 2-s2.0-84982980759
? eISSN: 20545703
? Volume: 3
? Issue: 8
? Authors: Sciallero Claudia; Balbi Luca; Paradossi Gaio; Trucco Andrea
? Keywords: Dual-mode contrast agents | Magnetic resonance imaging | Medical ultrasound | Polymeric microbubbles | Superparamagnetic iron oxide nanoparticles

? Quartile:

2025:
? Multidisciplinary (Q1, rank 34, percentile 83)

2016:
? Multidisciplinary (Q1, rank 17, percentile 79)

? Source Id: 21100446014
? Author Ids: 22035995400;56442456400;7003681369;7007035725
? Authoraffiliationids: 60025153;60113818;60027509;60025153-60102151
? Corresponding: Sciallero C.

22.

? Title: Research initiatives in Europe: Cooperation for blue growth

? Venue: Marine Technology Society Journal

? Year: 2016

? Type: Journal

? Subtype: Editorial

? Citations: 0

? Doi: 10.4031/Mtsj.50.4.1

? Scopus ID: 2-s2.0-84983439521

? Issn: 00253324

? eISSN: 19481209

? Volume: 50

? Issue: 4

? Pages: 5-7

? Authors: Caiti Andrea; Casalino Giuseppe; Trucco Andrea

? Quartile:

2025:

? Ocean Engineering (Q2, rank 56, percentile 52)

? Oceanography (Q3, rank 79, percentile 48)

2016:

? Ocean Engineering (Q2, rank 37, percentile 58)

? Oceanography (Q3, rank 59, percentile 49)

? Source Id: 27862

? Author Ids: 7003811129;7006852520;7007035725

? Authoraffiliationids: 60028868;60025153;60025153

? Corresponding: Caiti A.

23.

? Title: In vivo quantification of ultrasound targeted microbubbles to enhance cancer assessment

? Venue: Contrast Media and Molecular Imaging

? Year: 2016

? Type: Journal

? Subtype: Article

? Citations: 2

? DOI: 10.1002/cmmi.1694

? Scopus ID: 2-s2.0-84979941666

? Issn: 15554309

? eISSN: 15554317

? Volume: 11

? Issue: 4

? Pages: 313-318

? Authors: Sciallero Claudia; Daglio Emanuele; Trucco Andrea

? Keywords: molecular imaging | nonlinear regression | quantitative medical ultrasound

| targeted ultrasound contrast agents | ultrasound medical imaging

? Quartile:

2016:

? Radiology, Nuclear Medicine and Imaging (Q1, rank 32, percentile 88)

? Source Id: 5400152704

? Author Ids: 22035995400;57189217449;7007035725

? Authoraffiliationids: 60025153;116657710;60025153-60102151

? Corresponding: Sciallero C.

24.

? Title: A Classification Approach for Model-Based Fault Diagnosis in Power Generation Systems Based on Solid Oxide Fuel Cells

? Venue: IEEE Transactions on Energy Conversion

? Year: 2016

? Type: Journal

? Subtype: Article

? Citations: 44

? Doi: 10.1109/Tec.2015.2492938

? Scopus ID: 2-s2.0-84947998296

? Issn: 08858969

? Volume: 31

? Issue: 2

? Pages: 676-687

? Authors: Costamagna Paola; De Giorgi Andrea; Magistri Loredana; Moser Gabriele; Pellaco Lissy; Trucco Andrea

? Keywords: Distributed electric generation | fault detection and isolation (FDI) | feature selection; solid oxide fuel cell (SOFC) | quantitative modeling; support vector machine (SVM)

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 62, percentile 93)

? Energy Engineering and Power Technology (Q1, rank 30, percentile 90)

2016:

? Energy Engineering and Power Technology (Q1, rank 9, percentile 95)

? Electrical and Electronic Engineering (Q1, rank 46, percentile 93)

? Source Id: 28824

? Author Ids: 7003269793;56195544300;6603587580;7101795745;56195782300;7007035725

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;60025153-60102151

? Corresponding: Costamagna P.

25.

? Title: Audio surveillance: A systematic review

? Venue: ACM Computing Surveys

? Year: 2016

? Type: Journal

? Subtype: Review

? Citations: 198

? Doi: 10.1145/2871183

? Scopus ID: 2-s2.0-84963812960

? Issn: 03600300

? eISSN: 15577341

? Volume: 48

? Issue: 4

? Authors: Crocco Marco; Cristani Marco; Trucco Andrea; Murino Vittorio

? Keywords: Audio surveillance | Automated surveillance | Multimodal surveillance

? Quartile:

2025:

? Computer Science (all) (Q1, rank 1, percentile 99)

? Theoretical Computer Science (Q1, rank 1, percentile 99)

2016:

? Computer Science (all) (Q1, rank 1, percentile 99)

? Theoretical Computer Science (Q1, rank 3, percentile 97)

? Source Id: 23038

? Author Ids: 14048008100;8244336900;7007035725;7006595496

? Authoraffiliationids: 60102151;60032256;60025153;60102151

? Corresponding: Crocco M.

26.

? Title: Seeing the Sound: A New Multimodal Imaging Device for Computer Vision

? Venue: Proceedings of the IEEE International Conference on Computer Vision

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 12

? Doi: 10.1109/Iccvw.2015.95

? Scopus ID: 2-s2.0-84962010448

? Issn: 15505499

? Volume: 2015-February

? Pages: 693-701

? Authors: Zunino Andrea; Crocco Marco; Martelli Samele; Trucco Andrea; Bue Alessio Del; Murino Vittorio

? Keywords: Acoustics | Array signal processing | Microphones | Optical imaging | Optical sensors | Target tracking | Visualization

? Quartile:

2025:

- ? Software (Q1, rank 6, percentile 98)
- ? Computer Vision and Pattern Recognition (Q1, rank 6, percentile 96)

2016:

- ? Software (Q1, rank 6, percentile 98)
- ? Computer Vision and Pattern Recognition (Q1, rank 4, percentile 94)
- ? Source Id: 110561
- ? Author Ids: 57201591775;14048008100;36470627600;7007035725;12752759400;7006595496
- ? Authoraffiliationids: 60102151-60025153;60102151;60102151;60102151-60025153;60102151;60102151-60032256
- ? Corresponding: Zunino A.

27.

- ? Title: Statistical analysis of ship noise records
- ? Venue: Icsv 2016 23rd International Congress on Sound and Vibration from Ancient to Modern Acoustics
- ? Year: 2016
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 1
- ? Scopus ID: 2-s2.0-84987915602
- ? Authors: Traverso Federico; Gaggero Tomaso; Tani Giorgio; Viviani Michele; Villa Diego; Gaggero Stefano; Rizzuto Enrico; Trucco Andrea
- ? Source Id: 21100779036
- ? Author Ids: 6602210571;55212255700;55355605100;58090077400;56250522200;6503976905;6602173744;7007035725
- ? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60017293;60025153-60102151
- ? Corresponding: Traverso F.

28.

- ? Title: Design of a sparse planar array for optimized 3D medical ultrasound imaging
- ? Venue: 2015 23rd European Signal Processing Conference Eusipco 2015
- ? Year: 2015
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 13
- ? Doi: 10.1109/Eusipco.2015.7362602
- ? Scopus ID: 2-s2.0-84963946855
- ? Pages: 1341-1345
- ? Authors: Sciallero Claudia; Trucco Andrea
- ? Keywords: 3D medical ultrasound imaging | planar array | sparse array | stochastic optimization | ultrasound signal processing
- ? Source Id: 21100455902
- ? Author Ids: 22035995400;7007035725
- ? Authoraffiliationids: 60025153;60025153-60102151
- ? Corresponding: Sciallero C.

29.

- ? Title: Kernel-based learning for fault detection and identification in fuel cell systems
- ? Venue: Handbook of Pattern Recognition and Computer Vision 5th Edition
- ? Year: 2015
- ? Type: Book
- ? Subtype: Book Chapter
- ? Citations: 0
- ? Doi: 10.1142/9789814656535_0024

? Scopus ID: 2-s2.0-85118050156
? Pages: 455-472
? Authors: Moser Gabriele; Costamagna Paola; De Giorgi Andrea; Pellaco Lissy; Trucco Andrea; Serpico Sebastiano B.
? Source Id: 21101063119
? Author Ids: 7101795745;7003269793;56195544300;56195782300;7007035725;7005306316
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Moser G.

30.

? Title: Low-cost acoustic cameras for underwater wideband passive imaging
? Venue: IEEE Journal of Oceanic Engineering
? Year: 2015
? Type: Journal
? Subtype: Article
? Citations: 13
? Doi: 10.1109/Joe.2014.2377454
? Scopus ID: 2-s2.0-84960797590
? Issn: 03649059
? Volume: 40
? Issue: 4
? Pages: 929-937
? Authors: Trucco Andrea; Martelli Samuele; Crocco Marco
? Keywords: 3-D digital beamforming | 3-D passive imaging | Acoustic imaging | Aperiodic planar arrays | Filter-and-sum beamforming | Low-cost hydrophones | Sensor mismatches | Sonar imaging | Superdirective planar arrays
? Quartile:

2025:

? Ocean Engineering (Q1, rank 11, percentile 90)
? Mechanical Engineering (Q1, rank 88, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 135, percentile 86)

2015:

? Ocean Engineering (Q1, rank 3, percentile 97)
? Mechanical Engineering (Q1, rank 31, percentile 94)
? Electrical and Electronic Engineering (Q1, rank 84, percentile 87)

? Source Id: 17277

? Author Ids: 7007035725;36470627600;14048008100
? Authoraffiliationids: 60025153-60102151;60102151;60102151
? Corresponding: Trucco A.

31.

? Title: Spectral analysis of the underwater acoustic noise radiated by ships with controllable pitch propellers
? Venue: Mts IEEE Oceans 2015 Genova Discovering Sustainable Ocean Energy for A New World
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 18
? DOI: 10.1109/OCEANS-Genova.2015.7271483
? Scopus ID: 2-s2.0-84957707767
? Authors: Traverso F.; Gaggero T.; Rizzuto E.; Trucco A.
? Keywords: controllable pitch propeller | spectral analysis | underwater ship noise measurements
? Source Id: 21100444318
? Author Ids: 6602210571;55212255700;6602173744;7007035725

- ? Authoraffiliationids: 60025153;60025153;60025153;60025153-60102151
? Corresponding: Traverso F.
32.
? Title: Spatially selective binaural hearing AIDS
? Venue: Ubicomp and Iswc 2015 Proceedings of the 2015 ACM International Joint Conference on Pervasive and Ubiquitous Computing and the Proceedings of the 2015 ACM International Symposium on Wearable Computers
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Doi: 10.1145/2800835.2806207
? Scopus ID: 2-s2.0-84962483115
? Pages: 957-962
? Authors: Brayda Luca; Traverso Federico; Giuliani Luca; Diotalevi Francesco; Repetto Stefania; Sansalone Sara; Trucco Andrea; Sandini Giulio
? Keywords: Disability | Hearing aid | Microphone arrays | Real time | Superdirective beamforming
? Source Id: 21100455401
? Author Ids: 6506625090;6602210571;57188716062;6602348818;7005174907;57188720417;7007035725;35280694500
? Authoraffiliationids: 60102151;60025153;60102151;60102151;113296731;113296731;60025153;60102151
? Corresponding: Brayda L.
33.
? Title: Concentration estimation of ultrasound targeted microbubbles for improving cancer detection: A preliminary in VIVO study
? Venue: Proceedings International Symposium on Biomedical Imaging
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Isbi.2015.7163866
? Scopus ID: 2-s2.0-84944326461
? Issn: 19457928
? eISSN: 19458452
? Volume: 2015-July
? Pages: 272-275
? Authors: Sciallero Claudia; Trucco Andrea
? Keywords: nonlinear regression | quantitative medical ultrasound | targeted ultrasound contrast agents | Ultrasound medical imaging
? Quartile:
2025:
? Radiology, Nuclear Medicine and Imaging (Q3, rank 216, percentile 39)
? Biomedical Engineering (Q3, rank 246, percentile 26)
? Source Id: 20300195008
? Author Ids: 22035995400;7007035725
? Authoraffiliationids: 60025153;60025153-60102151
? Corresponding: Sciallero C.
34.
? Title: Maximum constrained directivity of oversteered end-fire sensor arrays
? Venue: Sensors Switzerland
? Year: 2015
? Type: Journal

? Subtype: Article
? Citations: 7
? DOI: 10.3390/s150613477
? Scopus ID: 2-s2.0-84930959442
? Issn: 14248220
? Volume: 15
? Issue: 6
? Pages: 13477-13502
? Authors: Trucco Andrea; Traverso Federico; Crocco Marco
? Keywords: Beamforming | End-fire arrays | Maximum directivity | Microphone and hydrophone arrays | Oversteering | White noise gain

? 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)

2015:

? Electrical and Electronic Engineering (Q1, rank 105, percentile 84)
? Atomic and Molecular Physics, and Optics (Q1, rank 31, percentile 80)
? Analytical Chemistry (Q2, rank 30, percentile 70)
? Biochemistry (Q2, rank 174, percentile 55)

? Source Id: 130124

? Author Ids: 7007035725;6602210571;14048008100

? Authoraffiliationids: 60025153-60102151;60025153;60102151

? Corresponding: Trucco A.

35.

? Title: Passive underwater imaging through optimized planar arrays of hydrophones
? Venue: 2014 Oceans St John S Oceans 2014

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Oceans.2014.7002999

? Scopus ID: 2-s2.0-84921746840

? Authors: Trucco Andrea; Martelli Samuele; Crocco Marco

? Keywords: Array signal processing | digital wideband beamforming | passive sonar imaging | planar array design | underwater acoustics

? Source Id: 21100368994

? Author Ids: 7007035725;36470627600;14048008100

? Authoraffiliationids: 60025153;60102151;60102151

? Corresponding: Trucco A.

36.

? Title: Environmental acoustic noise observations in Tethys Bay (Terra Nova Bay, Ross Sea, Antarctica)

? Venue: 2014 Oceans St John S Oceans 2014

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Oceans.2014.7003196

? Scopus ID: 2-s2.0-84921744758

? Authors: Pensieri Sara; Bozzano Roberto; Schiano M. Elisabetta; Pensieri Laura; Traverso Federico; Trucco Andrea; Picco Paola; Bordone Andrea
? Keywords: acoustic impact | Acoustic measurements | Antarctica | Terra Nova Bay
? Source Id: 21100368994
? Author Ids: 35311650600;6602292250;7003818213;55901632800;6602210571;7007035725;7005847398;55263305200
? Authoraffiliationids:
60021199;60021199;60021199;60021199;60025153;60025153;60104723;60104723
? Corresponding: Pensieri S.

37.

? Title: Texture analysis: Comparison of autocorrelation-based with cumulant-based approaches
? Venue: European Signal Processing Conference
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-85113899658
? Issn: 22195491
? Authors: Murino Vittorio; Ottonello Cinthya; Pagnan Sergio; Trucco Andrea
? Quartile:
2025:
? Signal Processing (Q3, rank 109, percentile 44)
? Electrical and Electronic Engineering (Q3, rank 573, percentile 42)
? Source Id: 21100204301
? Author Ids: 7006595496;56715967000;6602690690;7007035725
? Authoraffiliationids: 60025965;60025153;126799255-126797668;60025965
? Corresponding: Murino V.

38.

? Title: Joint feature and model selection for SVM fault diagnosis in solid oxide fuel cell systems
? Venue: Mathematical Problems in Engineering
? Year: 2015
? Type: Journal
? Subtype: Article
? Citations: 16
? Doi: 10.1155/2015/282547
? Scopus ID: 2-s2.0-84930959382
? Issn: 1024123x
? eISSN: 15635147
? Volume: 2015
? Authors: Moser Gabriele; Costamagna Paola; De Giorgi Andrea; Greco Andrea; Magistri Loredana; Pellaco Lissy; Trucco Andrea
? Quartile:
2015:
? Mathematics (all) (Q2, rank 112, percentile 65)
? Engineering (all) (Q2, rank 108, percentile 60)
? Source Id: 13082
? Author Ids:
7101795745;7003269793;56195544300;56681762100;6603587580;56195782300;7007035725
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153-60102151
? Corresponding: Moser G.

39.

- ? Title: Design of an optimum superdirective beamformer through generalized directivity maximization
? Venue: IEEE Transactions on Signal Processing
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 18
? Doi: 10.1109/Tsp.2014.2360819
? Scopus ID: 2-s2.0-84910121600
? Issn: 1053587x
? Volume: 62
? Issue: 23
? Pages: 6118-6129
? Authors: Trucco Andrea; Crocco Marco
? Keywords: array imperfections | Beamforming | directivity | mean beam power pattern | optimum array processing | sensor mismatch | superdirective arrays | white noise gain
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 79, percentile 92)
? Signal Processing (Q1, rank 18, percentile 91)
2014:
? Signal Processing (Q1, rank 2, percentile 98)
? Electrical and Electronic Engineering (Q1, rank 26, percentile 96)
? Source Id: 17391
? Author Ids: 7007035725;14048008100
? Authoraffiliationids: 60025153-60102151;60102151
? Corresponding: Trucco A.
40.
? Title: Optimizing enhanced hybrid medical imaging through dual-mode contrast agents
? 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.2014.6958450
? Scopus ID: 2-s2.0-84916598663
? Pages: 79-83
? Authors: Sciallero Claudia; Balbi Luca; Trucco Andrea
? Keywords: dual-mode contrast agents | magnetic resonance imaging | Medical ultrasound | polymeric microbubbles | superparamagnetic iron oxide nanoparticles
? Source Id: 21100349566
? Author Ids: 22035995400;56442456400;7007035725
? Authoraffiliationids: 60025153;60113818;60025153-60102151
? Corresponding: Sciallero C.
41.
? Title: Towards fully uncalibrated room reconstruction with sound
? Venue: European Signal Processing Conference
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 12
? Scopus ID: 2-s2.0-84911937637
? Issn: 22195491

? Pages: 910-914
? Authors: Crocco Marco; Trucco Andrea; Murino Vittorio; Del Bue Alessio
? Keywords: microphone calibration | Room reconstruction | simulated annealing | source localization
? Quartile:
2025:
? Signal Processing (Q3, rank 109, percentile 44)
? Electrical and Electronic Engineering (Q3, rank 573, percentile 42)
? Source Id: 21100204301
? Author Ids: 14048008100;7007035725;7006595496;12752759400
? Authoraffiliationids: 60102151;60102151;60102151;60102151
? Corresponding: Crocco M.

42.
? Title: Design of frequency-invariant robust beam patterns by the oversteering of end-fire arrays
? Venue: Signal Processing
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 16
? DOI: 10.1016/j.sigpro.2013.12.014
? Scopus ID: 2-s2.0-84893050045
? Issn: 01651684
? Volume: 99
? Pages: 129-135
? Authors: Traverso F.; Crocco M.; Trucco A.
? Keywords: Broadband beamforming | End-fire arrays | Frequency-invariant beam patterns | Microphone arrays | Oversteering | Superdirective

? Quartile:
2025:
? Signal Processing (Q1, rank 25, percentile 87)
? Computer Vision and Pattern Recognition (Q1, rank 27, percentile 84)
? Electrical and Electronic Engineering (Q1, rank 166, percentile 83)
? Control and Systems Engineering (Q1, rank 71, percentile 81)
? Software (Q1, rank 101, percentile 79)

2014:
? Electrical and Electronic Engineering (Q1, rank 69, percentile 89)
? Signal Processing (Q1, rank 10, percentile 88)
? Control and Systems Engineering (Q1, rank 27, percentile 87)
? Computer Vision and Pattern Recognition (Q1, rank 10, percentile 85)
? Software (Q1, rank 61, percentile 83)

? Source Id: 25548
? Author Ids: 6602210571;14048008100;7007035725
? Authoraffiliationids: 60025153;60102151;60025153-60102151
? Corresponding: Traverso F.

43.
? Title: Fault diagnosis in fuel cell systems using quantitative models and support vector machines
? Venue: Electronics Letters
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 21
? DOI: 10.1049/el.2014.0565

? Scopus ID: 2-s2.0-84901913537
? Issn: 00135194
? Volume: 50
? Issue: 11
? Pages: 824-826
? Authors: Pellaco L.; Costamagna P.; De Giorgi A.; Greco A.; Magistri L.; Moser G.; Trucco A.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 624, percentile 37)
2014:
? Electrical and Electronic Engineering (Q2, rank 214, percentile 67)
? Source Id: 24918
? Author Ids:
56195782300;7003269793;56195544300;56681762100;6603587580;7101795745;7007035725
? Authoraffiliationids:
60025153;60025153;60025153;60025153;60025153;60025153;60025153;60025153-60102151
? Corresponding: Pellaco L.

44.

? Title: Design of superdirective planar arrays with sparse aperiodic layouts for processing broadband signals via 3-D beamforming
? Venue: IEEE Transactions on Audio Speech and Language Processing
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 32
? Doi: 10.1109/Taslp.2014.2304635
? Scopus ID: 2-s2.0-84898059672
? Issn: 15587916
? Volume: 22
? Issue: 4
? Pages: 800-815
? Authors: Crocco Marco; Trucco Andrea
? Keywords: 3-D beamforming | Acoustic imaging | Aperiodic arrays | Filter-and-sum beamforming | Microphone arrays | Planar arrays | Robust superdirective beamforming | Sparse arrays
? Quartile:
2014:
? Acoustics and Ultrasonics (Q1, rank 1, percentile 98)
? Electrical and Electronic Engineering (Q1, rank 24, percentile 96)
? Source Id: 4700151725
? Author Ids: 14048008100;7007035725
? Authoraffiliationids: 60102151;60102151-60025153
? Corresponding: Crocco M.

45.

? Title: Comparing ship underwater noise measured at sea with predictions by empirical models
? Venue: 21st International Congress on Sound and Vibration 2014 Icsv 2014
? Year: 2014
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 10
? Scopus ID: 2-s2.0-84922670193
? Volume: 2

? Pages: 1510-1516
? Authors: Gaggero T.; Rizzuto E.; Traverso F.; Trucco A.
? Source Id: 21100372157
? Author Ids: 55212255700;6602173744;6602210571;7007035725
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Gaggero T.

46.

? Title: Broadband performance of superdirective delay-and-sum beamformers steered to end-fire
? Venue: Journal of the Acoustical Society of America
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 9
? Doi: 10.1121/1.4879674
? Scopus ID: 2-s2.0-84903141089
? Issn: 00014966
? Volume: 135
? Issue: 6
? Pages: EL331-EL337
? Authors: Trucco A.; Traverso F.; Crocco M.
? Quartile:
2025:
? Arts and Humanities (miscellaneous) (Q1, rank 96, percentile 85)
? Acoustics and Ultrasonics (Q2, rank 15, percentile 72)
2014:
? Acoustics and Ultrasonics (Q1, rank 7, percentile 83)
? Arts and Humanities (miscellaneous) (Q1, rank 66, percentile 75)
? Source Id: 12936
? Author Ids: 7007035725;6602210571;14048008100
? Authoraffiliationids: 60025153-60102151;60025153;60102151
? Corresponding: Trucco A.

47.

? Title: Pruned chirp zeta transform beamforming for 3-D imaging with sparse planar arrays
? Venue: IEEE Journal of Oceanic Engineering
? Year: 2014
? Type: Journal
? Subtype: Article
? Citations: 12
? Doi: 10.1109/Joe.2013.2252771
? Scopus ID: 2-s2.0-84899479046
? Issn: 03649059
? Volume: 39
? Issue: 2
? Pages: 206-211
? Authors: Palmese Maria; Trucco Andrea
? Keywords: 3-D coherent imaging | Acoustical imaging | Active sonar systems | Chirp zeta transform (CZT) beamforming | Digital beamforming | Fast Fourier transform (FFT) pruning | Frequency-domain beamforming | Near-field wideband imaging | Planar arrays | Sparse arrays
? Quartile:
2025:
? Ocean Engineering (Q1, rank 11, percentile 90)

- ? Mechanical Engineering (Q1, rank 88, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 135, percentile 86)
2014:
? Ocean Engineering (Q1, rank 5, percentile 94)
? Mechanical Engineering (Q1, rank 56, percentile 89)
? Electrical and Electronic Engineering (Q1, rank 112, percentile 82)
? Source Id: 17277
? Author Ids: 6507054061;7007035725
? Authoraffiliationids: 60025153;60025153-60102151
? Corresponding: Palmese M.
48.
? Title: Acoustic characterization and contrast imaging of microbubbles encapsulated by polymeric shells coated or filled with magnetic nanoparticles
? Venue: Journal of the Acoustical Society of America
? Year: 2013
? Type: Journal
? Subtype: Article
? Citations: 22
? Doi: 10.1121/1.4824337
? Scopus ID: 2-s2.0-84887450790
? Issn: 00014966
? Volume: 134
? Issue: 5
? Pages: 3918-3930
? Authors: Sciallero Claudia; Grishenkov Dmitry; Kothapalli Satya V.V.N.; Oddo Letizia; Trucco Andrea
? Quartile:
2025:
? Arts and Humanities (miscellaneous) (Q1, rank 96, percentile 85)
? Acoustics and Ultrasonics (Q2, rank 15, percentile 72)
2013:
? Acoustics and Ultrasonics (Q1, rank 7, percentile 82)
? Arts and Humanities (miscellaneous) (Q2, rank 74, percentile 72)
? Source Id: 12936
? Author Ids: 22035995400;22133947500;57217446013;36629100700;7007035725
? Authoraffiliationids:
60025153-60113818;60002014-60012311;60002014;60027509;60025153-60113818-60102151
? Corresponding: Sciallero C.
49.
? Title: Robust superdirective end-fire arrays
? Venue: Oceans 2013 Mts IEEE Bergen the Challenges of the Northern Dimension
? Year: 2013
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 10
? DOI: 10.1109/OCEANS-Bergen.2013.6607994
? Scopus ID: 2-s2.0-84886394486
? Authors: Trucco A.; Traverso F.; Crocco M.
? Keywords: end-fire arrays | maximum directivity | oversteering | superdirective beamforming | white noise gain
? Source Id: 21100264282
? Author Ids: 7007035725;6602210571;14048008100
? Authoraffiliationids: 60025153;60025153;60102151
? Corresponding: Trucco A.

50.

- ? Title: Ultrasound assessment of polymer-shelled magnetic microbubbles used as dual contrast agents
 - ? Venue: Journal of the Acoustical Society of America
 - ? Year: 2013
 - ? Type: Journal
 - ? Subtype: Article
 - ? Citations: 7
 - ? Doi: 10.1121/1.4804942
 - ? Scopus ID: 2-s2.0-84878906439
 - ? Issn: 00014966
 - ? Volume: 133
 - ? Issue: 6
 - ? Pages: EL478-EL484
 - ? Authors: Sciallero Claudia; Trucco Andrea
 - ? Quartile:
- 2025:
- ? Arts and Humanities (miscellaneous) (Q1, rank 96, percentile 85)
 - ? Acoustics and Ultrasonics (Q2, rank 15, percentile 72)
- 2013:
- ? Acoustics and Ultrasonics (Q1, rank 7, percentile 82)
 - ? Arts and Humanities (miscellaneous) (Q2, rank 74, percentile 72)
- ? Source Id: 12936
 - ? Author Ids: 22035995400;7007035725
 - ? Authoraffiliationids: 60025153-60113818;60025153-60113818-60102151
 - ? Corresponding: Sciallero C.

51.

- ? Title: Experimental assessment of a direct sequence spread spectrum underwater acoustic communication method
- ? Venue: 11th European Conference on Underwater Acoustics 2012 Ecua 2012
- ? Year: 2012
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 1
- ? Scopus ID: 2-s2.0-84871371504
- ? Volume: 34 1
- ? Issue: Part 3
- ? Pages: 731-738
- ? Authors: Palmese M.; Trucco A.
- ? Source Id: 21100223547
- ? Author Ids: 6507054061;7007035725
- ? Authoraffiliationids: 60025153;60025153
- ? Corresponding: Palmese M.

52.

- ? Title: The contribution of the ligurian sea off-shore observatory to the calibration and validation of remote sensed data
- ? Venue: European Space Agency Special Publication ESA SP
- ? Year: 2012
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 0
- ? Scopus ID: 2-s2.0-84892768807
- ? Issn: 03796566
- ? Volume: 703 Sp

? Authors: Pensieri S.; Schiano M. E.; Picco P.; Canepa E.; Bozzano R.; Trucco A.
? Source Id: 27179
? Author Ids: 35311650600;7003818213;7005847398;7003447235;6602292250;7007035725
? Authoraffiliationids: 60021199;60021199;60104723;60021199;60021199;60025153
? Corresponding: Pensieri S.

53.

? Title: Experimental assessment of a direct sequence spread spectrum underwater acoustic communication method
? Venue: Proceedings of Meetings on Acoustics
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1121/1.4767962
? Scopus ID: 2-s2.0-84878981222
? Issn: 1939800x
? Volume: 17
? Authors: Palmese Maria; Trucco Andrea
? Quartile:
2025:
? Acoustics and Ultrasonics (Q3, rank 38, percentile 29)
? Source Id: 21100215110
? Author Ids: 6507054061;7007035725
? Authoraffiliationids: 60025153;60025153
? Corresponding: Palmese M.

54.

? Title: Energy and feature-based strategies for estimating the contrast agent concentration in ultrasound medical imaging
? Venue: Proceedings IEEE Symposium on Computer Based Medical Systems
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Cbms.2012.6266306
? Scopus ID: 2-s2.0-84867315899
? Issn: 10637125
? Authors: Sciallero Claudia; Crocco Marco; Trucco Andrea
? Quartile:
2025:
? Radiology, Nuclear Medicine and Imaging (Q3, rank 233, percentile 34)
? Computer Science Applications (Q3, rank 665, percentile 32)
2012:
? Radiology, Nuclear Medicine and Imaging (Q3, rank 163, percentile 33)
? Computer Science Applications (Q3, rank 337, percentile 27)
? Source Id: 23681
? Author Ids: 22035995400;14048008100;7007035725
? Authoraffiliationids: 60025153;60102151;60025153-60102151
? Corresponding: Sciallero C.

55.

? Title: Simulation of non-White and non-Gaussian underwater ambient noise
? Venue: Program Book Oceans 2012 Mts IEEE Yeosu the Living Ocean and Coast Diversity of Resources and Sustainable Activities
? Year: 2012
? Type: Conference Proceeding

? Subtype: Conference Paper
? Citations: 29
? DOI: 10.1109/OCEANS-Yeosu.2012.6263385
? Scopus ID: 2-s2.0-84866682716
? Authors: Traverso F.; Vernazza G.; Trucco A.
? Keywords: Ambient noise | high frequency | non-Gaussian statistics
? Source Id: 21100216530
? Author Ids: 6602210571;7005048304;7007035725
? Authoraffiliationids: 60025153;60025153;60025153-60102151
? Corresponding: Traverso F.

56.

? Title: Stochastic and analytic optimization of sparse aperiodic arrays and broadband beamformers with robust superdirective patterns
? Venue: IEEE Transactions on Audio Speech and Language Processing
? Year: 2012
? Type: Journal
? Subtype: Article
? Citations: 61
? Doi: 10.1109/TASL.2012.2203808
? Scopus ID: 2-s2.0-84865446151
? Issn: 15587916
? Volume: 20
? Issue: 9
? Pages: 2433-2447
? Authors: Crocco Marco; Trucco Andrea
? Keywords: Aperiodic layout | broadband beam patterns | filter-and-sum beamforming | microphone arrays | robustness to sensor mismatch | sparse arrays | superdirective arrays
? Quartile:
2012:
? Acoustics and Ultrasonics (Q1, rank 2, percentile 96)
? Electrical and Electronic Engineering (Q1, rank 63, percentile 89)
? Source Id: 4700151725
? Author Ids: 14048008100;7007035725
? Authoraffiliationids: 60102151;60025153
? Corresponding: Crocco M.

57.

? Title: A preliminary ultrasound assessment of multimodality contrast agents
? Venue: Memea 2012 2012 IEEE Symposium on Medical Measurements and Applications Proceedings
? Year: 2012
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.1109/MeMeA.2012.6226632
? Scopus ID: 2-s2.0-84864213182
? Pages: 154-157
? Authors: Sciallero Claudia; Trucco Andrea
? Keywords: chirp coding | medical ultrasound | multi-pulse techniques | multimodality contrast agent | ultrasound signal processing
? Source Id: 21100206249
? Author Ids: 22035995400;7007035725
? Authoraffiliationids: 60025153-60113818;60025153-60113818-60102151
? Corresponding: Sciallero C.

58.

- ? Title: A preliminary in vitro assessment of polymer-shelled microbubbles in contrast-enhanced ultrasound imaging
- ? Venue: Ultrasonics
- ? Year: 2012
- ? Type: Journal
- ? Subtype: Article
- ? Citations: 21
- ? DOI: 10.1016/j.ultras.2011.10.008
- ? Scopus ID: 2-s2.0-84855562532
- ? Issn: 0041624x
- ? Volume: 52
- ? Issue: 3
- ? Pages: 456-464
- ? Authors: Sciallero C.; Paradossi G.; Trucco A.
- ? Keywords: Multi-pulse techniques | Polymer-shelled microbubbles | Ultrasound contrast agents | Ultrasound medical imaging | Ultrasound signal processing
- ? Quartile:
 - 2025:
 - ? Acoustics and Ultrasonics (Q1, rank 5, percentile 91)
 - 2012:
 - ? Acoustics and Ultrasonics (Q1, rank 5, percentile 88)
- ? Source Id: 13516
- ? Author Ids: 22035995400;7003681369;7007035725
- ? Authoraffiliationids: 60025153-60113818;60027509;60025153-60113818-60102151
- ? Corresponding: Sciallero C.

59.

- ? Title: Oversteering of end-fire arrays with frequency-invariant beam patterns
- ? Venue: European Signal Processing Conference
- ? Year: 2011
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 0
- ? Scopus ID: 2-s2.0-84863753548
- ? Issn: 22195491
- ? Pages: 1332-1336
- ? Authors: Traverso F.; Crocco M.; Trucco A.; Vernazza G.
- ? Quartile:
 - 2025:
 - ? Signal Processing (Q3, rank 109, percentile 44)
 - ? Electrical and Electronic Engineering (Q3, rank 573, percentile 42)
 - ? Source Id: 21100204301
 - ? Author Ids: 6602210571;14048008100;7007035725;7005048304
 - ? Authoraffiliationids: 60025153;60102151;60025153-60102151;60025153
 - ? Corresponding: Traverso F.

60.

- ? Title: Chirp coding for ultrasound imaging of polymer-shelled microbubbles
- ? Venue: Proceedings International Symposium on Biomedical Imaging
- ? Year: 2011
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 1
- ? Doi: 10.1109/Ilsbi.2011.5872347
- ? Scopus ID: 2-s2.0-80055047327

? Issn: 19457928
? eISSN: 19458452
? Pages: 29-32
? Authors: Sciallero Claudia; Trucco Andrea
? Keywords: chirp coding | polymershelled bubbles | Ultrasound medical imaging
? Quartile:
2025:
? Radiology, Nuclear Medicine and Imaging (Q3, rank 216, percentile 39)
? Biomedical Engineering (Q3, rank 246, percentile 26)
? Source Id: 20300195008
? Author Ids: 22035995400;7007035725
? Authoraffiliationids: 60025153;60025153
? Corresponding: Sciallero C.

61.

? Title: Tuning the performance of the superdirective frequency-invariant beamforming applied to end-fire arrays
? Venue: Oceans 2011 IEEE Spain
? Year: 2011
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.1109/Oceans-Spain.2011.6003579
? Scopus ID: 2-s2.0-80052951247
? Authors: Traverso F.; Crocco M.; Trucco A.; Vernazza G.
? Source Id: 19900193986
? Author Ids: 6602210571;14048008100;7007035725;7005048304
? Authoraffiliationids: 60025153;60102151;60025153-60102151;60025153
? Corresponding: Traverso F.

62.

? Title: Remote characterization of seafloor adjacent to shipwrecks using mosaicking and analysis of backscatter response
? Venue: Italian Journal of Remote Sensing Rivista Italiana Di Telerilevamento
? Year: 2011
? Type: Journal
? Subtype: Article
? Citations: 7
? DOI: 10.5721/ItJRS20114326
? Scopus ID: 2-s2.0-80054862669
? eISSN: 2279-725
? Volume: 43
? Issue: 2
? Pages: 77-92
? Authors: Masetti Giuseppe; Sacile Roberto; Trucco Andrea
? Keywords: Backscatter | Mosaic | Multibeam | Seafloor classification | Shipwreck
? Source Id: 20100195035
? Author Ids: 53871872900;56250207700;7007035725
? Authoraffiliationids: 60107402;60025153;60025153
? Corresponding: Masetti G.

63.

? Title: Design of robust superdirective arrays with a tunable tradeoff between directivity and frequency-invariance
? Venue: IEEE Transactions on Signal Processing
? Year: 2011
? Type: Journal

? Subtype: Article
? Citations: 120
? Doi: 10.1109/Tsp.2011.2106780
? Scopus ID: 2-s2.0-79954466170
? Issn: 1053587x
? Volume: 59
? Issue: 5
? Pages: 2169-2181
? Authors: Crocco Marco; Trucco Andrea
? Keywords: Beamforming robustness | broadband beamforming | filter-and-sum beamforming | frequency-invariant beam patterns | microphone arrays | superdirective arrays
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 79, percentile 92)
? Signal Processing (Q1, rank 18, percentile 91)
2011:
? Electrical and Electronic Engineering (Q1, rank 30, percentile 94)
? Signal Processing (Q1, rank 5, percentile 93)
? Source Id: 17391
? Author Ids: 14048008100;7007035725
? Authoraffiliationids: 60102151;60102151-60025153
? Corresponding: Crocco M.
64.
? Title: A method for estimating the microbubble concentration in contrast-enhanced ultrasound imaging
? Venue: Measurement Science and Technology
? Year: 2011
? Type: Journal
? Subtype: Article
? Citations: 5
? Doi: 10.1088/0957-0233/22/11/114009
? Scopus ID: 2-s2.0-80054738910
? Issn: 09570233
? eISSN: 13616501
? Volume: 22
? Issue: 11
? Authors: Sciallero C.; Crocco M.; Trucco A.
? Keywords: concentration estimation | nonlinear regression | quantitative medical ultrasound | ultrasound contrast agents | ultrasound medical imaging
? Quartile:
2025:
? Applied Mathematics (Q1, rank 109, percentile 83)
? Instrumentation (Q2, rank 48, percentile 74)
? Engineering (miscellaneous) (Q2, rank 81, percentile 71)
2011:
? Applied Mathematics (Q1, rank 71, percentile 81)
? Instrumentation (Q1, rank 20, percentile 78)
? Source Id: 15526
? Author Ids: 22035995400;14048008100;7007035725
? Authoraffiliationids: 60025153;60102151;60025153-60102151
? Corresponding: Sciallero C.
65.
? Title: A regression approach to estimate the ultrasound contrast agent concentration
? Venue: Memea 2011 2011 IEEE International Symposium on Medical Measurements and

Applications Proceedings

? Year: 2011
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? DOI: 10.1109/MeMeA.2011.5966697
? Scopus ID: 2-s2.0-80052353720
? Pages: 202-206
? Authors: Sciallero Claudia; Crocco Marco; Trucco Andrea; Vernazza Gianni
? Keywords: concentration estimation | quantitative medical ultrasound | regression | ultrasound contrast agent
? Source Id: 19900193848
? Author Ids: 22035995400;14048008100;7007035725;7005048304
? Authoraffiliationids: 60025153;60102151;60025153-60102151;60025153
? Corresponding: Sciallero C.

66.

? Title: Estimating the performance of a superdirective microphone array with a frequency-invariant response
? Venue: 2010 IEEE Sensor Array and Multichannel Signal Processing Workshop SAM 2010
? Year: 2010
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Doi: 10.1109/Sam.2010.5606762
? Scopus ID: 2-s2.0-78650095406
? Pages: 5-8
? Authors: Traverso Federico; Crocco Marco; Trucco Andrea
? Source Id: 19700182777
? Author Ids: 6602210571;14048008100;7007035725
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Traverso F.

67.

? Title: Designing a 3-D sonar system using a sparse array and CZT beamforming
? Venue: 20th International Congress on Acoustics 2010 Ica 2010 Incorporating Proceedings of the 2010 Annual Conference of the Australian Acoustical Society
? Year: 2010
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-84869131005
? Volume: 4
? Pages: 3017-3024
? Authors: Palmese Maria; Trucco Andrea
? Source Id: 21100220103
? Author Ids: 6507054061;7007035725
? Authoraffiliationids: 60025153;60025153
? Corresponding: Palmese M.

68.

? Title: A synthesis method for robust frequency-invariant very large bandwidth beamforming
? Venue: European Signal Processing Conference
? Year: 2010
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 4
? Scopus ID: 2-s2.0-84863799071
? Issn: 22195491
? Pages: 2096-2100
? Authors: Crocco Marco; Trucco Andrea
? Quartile:
2025:
? Signal Processing (Q3, rank 109, percentile 44)
? Electrical and Electronic Engineering (Q3, rank 573, percentile 42)
? Source Id: 21100204301
? Author Ids: 14048008100;7007035725
? Authoraffiliationids: 60025153;60025153
? Corresponding: Crocco M.

69.
? Title: Improving the diagnostic potentiality of contrast enhanced ultrasound imaging through the estimation of the concentration
? Venue: 2010 IEEE International Conference on Imaging Systems and Techniques Ist 2010 Proceedings
? Year: 2010
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Ist.2010.5548517
? Scopus ID: 2-s2.0-77957844236
? Pages: 300-305
? Authors: Sciallero Claudia; Crocco Marco; Trucco Andrea
? Keywords: Concentration estimation | Machine learning | Molecular imaging | Quantitative medical ultrasound | Regression | Targeted contrast agents | Ultrasound imaging
? Source Id: 19700181227
? Author Ids: 22035995400;14048008100;7007035725
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Sciallero C.

70.
? Title: A computationally efficient procedure for the design of robust broadband beamformers
? Venue: IEEE Transactions on Signal Processing
? Year: 2010
? Type: Journal
? Subtype: Article
? Citations: 25
? Doi: 10.1109/Tsp.2010.2053710
? Scopus ID: 2-s2.0-77956746720
? Issn: 1053587x
? Volume: 58
? Issue: 10
? Pages: 5420-5424
? Authors: Crocco Marco; Trucco Andrea
? Keywords: Beamforming robustness | broadband beamforming | filterand-sum beamforming | frequency-invariant beam pattern | microphone arrays | superdirective arrays
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 79, percentile 92)
? Signal Processing (Q1, rank 18, percentile 91)

? Source Id: 17391

? Author Ids: 14048008100;7007035725

? Authoraffiliationids: 60025153;60025153

? Corresponding: Crocco M.

71.

? Title: The synthesis of robust broadband beamformers for equally-spaced linear arrays

? Venue: Journal of the Acoustical Society of America

? Year: 2010

? Type: Journal

? Subtype: Article

? Citations: 29

? Doi: 10.1121/1.3455852

? Scopus ID: 2-s2.0-77955778241

? Issn: 00014966

? Volume: 128

? Issue: 2

? Pages: 691-701

? Authors: Crocco Marco; Trucco Andrea

? Quartile:

2025:

? Arts and Humanities (miscellaneous) (Q1, rank 96, percentile 85)

? Acoustics and Ultrasonics (Q2, rank 15, percentile 72)

? Source Id: 12936

? Author Ids: 14048008100;7007035725

? Authoraffiliationids: 60025153;60025153

? Corresponding: Crocco M.

72.

? Title: An efficient digital CZT beamforming design for near-field 3-D sonar imaging

? Venue: IEEE Journal of Oceanic Engineering

? Year: 2010

? Type: Journal

? Subtype: Article

? Citations: 64

? Doi: 10.1109/Joe.2010.2054175

? Scopus ID: 2-s2.0-77956343125

? Issn: 03649059

? Volume: 35

? Issue: 3

? Pages: 584-594

? Authors: Palmese Maria; Trucco Andrea

? Keywords: 3-D acoustic imaging | Chirp zeta transform (CZT) | computational load evaluation | digital beamforming | frequency-domain beamforming | near-field imaging | planar arrays | sonar systems

? Quartile:

2025:

? Ocean Engineering (Q1, rank 11, percentile 90)

? Mechanical Engineering (Q1, rank 88, percentile 88)

? Electrical and Electronic Engineering (Q1, rank 135, percentile 86)

? Source Id: 17277

? Author Ids: 6507054061;7007035725

? Authoraffiliationids: 60025153;60025153

? Corresponding: Palmese M.

73.

? Title: Erratum: Three-dimensional acoustic imaging by chirp zeta transform digital

beamforming (IEEE Transactions on Instrumentation and Measurement (2009) 58:7 (2080-2086))

? Venue: IEEE Transactions on Instrumentation and Measurement

? Year: 2009

? Type: Journal

? Subtype: Erratum

? Citations: 0

? Doi: 10.1109/TIM.2009.2034588

? Scopus ID: 2-s2.0-77957000404

? Issn: 00189456

? Volume: 58

? Issue: 12

? Pages: 4012

? Authors: Palmese Maria; Trucco Andrea

? Quartile:

2025:

? Instrumentation (Q1, rank 16, percentile 91)

? Electrical and Electronic Engineering (Q1, rank 119, percentile 88)

? Source Id: 15361

? Author Ids: 6507054061;7007035725

? Authoraffiliationids: 60025153;60025153

? Corresponding: Palmese M.

74.

? Title: Combining multi-pulse excitation and chirp coding in contrast-enhanced ultrasound imaging

? Venue: Measurement Science and Technology

? Year: 2009

? Type: Journal

? Subtype: Article

? Citations: 22

? Doi: 10.1088/0957-0233/20/10/104017

? Scopus ID: 2-s2.0-70350683509

? Issn: 09570233

? eISSN: 13616501

? Volume: 20

? Issue: 10

? Authors: Crocco M.; Pellegretti P.; Sciallero C.; Trucco A.

? Keywords: Chirp coding | Echographic imaging | Multi-pulse techniques | Ultrasound contrast agents | Ultrasound medical imaging | Ultrasound signal processing

? Quartile:

2025:

? Applied Mathematics (Q1, rank 109, percentile 83)

? Instrumentation (Q2, rank 48, percentile 74)

? Engineering (miscellaneous) (Q2, rank 81, percentile 71)

? Source Id: 15526

? Author Ids: 14048008100;7801594635;22035995400;7007035725

? Authoraffiliationids: 60025153;60113818;60025153;60025153

? Corresponding: Crocco M.

75.

? Title: Interpolation of medical ultrasound images from coherent and noncoherent signals

? Venue: IEEE Transactions on Instrumentation and Measurement

? Year: 2009

? Type: Journal

? Subtype: Article
? Citations: 9
? Doi: 10.1109/Tim.2009.2015519
? Scopus ID: 2-s2.0-67649625143
? Issn: 00189456
? Volume: 58
? Issue: 7
? Pages: 2048-2060
? Authors: Trucco Andrea; Curletto Simone; Palmese Maria
? Keywords: Acoustical imaging | Echographic medical scanners | Interpolation of ultrasound images | Linear-array imaging | Nyquist-shaped pulses | Signal interpolation | Spatial sampling | Ultrasound medical imaging
? Quartile:
2025:
? Instrumentation (Q1, rank 16, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 119, percentile 88)
? Source Id: 15361
? Author Ids: 7007035725;6506846892;6507054061
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Trucco A.

76.
? Title: Processing and analysis of underwater acoustic images generated by mechanically scanned sonar systems
? Venue: IEEE Transactions on Instrumentation and Measurement
? Year: 2009
? Type: Journal
? Subtype: Article
? Citations: 30
? Doi: 10.1109/Tim.2009.2015520
? Scopus ID: 2-s2.0-67649621651
? Issn: 00189456
? Volume: 58
? Issue: 7
? Pages: 2061-2071
? Authors: Trucco Andrea; Garofalo Matteo; Repetto Stefania; Vernazza Gianni
? Keywords: Acoustic imaging | Contrast enhancement | Fanshaped-beam sonar system | Image analysis | Image processing | Interpolation | Mechanically scanned sonar system | Object detection | Pencil-beam sonar system | Speckle reduction | Underwater imaging
? Quartile:

2025:
? Instrumentation (Q1, rank 16, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 119, percentile 88)
? Source Id: 15361
? Author Ids: 7007035725;15622820900;7005174907;7005048304
? Authoraffiliationids: 60025153;60102151;60025153;60025153
? Corresponding: Trucco A.

77.
? Title: Three-dimensional acoustic imaging by chirp zeta transform digital beamforming
? Venue: IEEE Transactions on Instrumentation and Measurement
? Year: 2009
? Type: Journal
? Subtype: Article
? Citations: 59
? Doi: 10.1109/Tim.2009.2015523

? Scopus ID: 2-s2.0-67649600656
? Issn: 00189456
? Volume: 58
? Issue: 7
? Pages: 2080-2086
? Authors: Palmese Maria; Trucco Andrea
? Keywords: 3-D acoustic imaging | Chirp zeta transform (CZT) | Computational load evaluation | Digital beamforming | Frequency-domain beamforming | Planar arrays | Sonar systems
? Quartile:
2025:
? Instrumentation (Q1, rank 16, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 119, percentile 88)
? Source Id: 15361
? Author Ids: 6507054061;7007035725
? Authoraffiliationids: 60025153;60025153
? Corresponding: Palmese M.

78.

? Title: A comparative analysis of multi-pulse techniques in contrast-enhanced ultrasound medical imaging
? Venue: Ultrasonics
? Year: 2009
? Type: Journal
? Subtype: Article
? Citations: 14
? DOI: 10.1016/j.ultras.2008.05.008
? Scopus ID: 2-s2.0-56949087181
? Issn: 0041624x
? Volume: 49
? Issue: 1
? Pages: 120-125
? Authors: Crocco M.; Palmese M.; Sciallero C.; Trucco A.
? Keywords: Echographic simulation | Multi-pulse techniques | Ultrasound contrast agents | Ultrasound medical imaging | Ultrasound signal processing
? Quartile:
2025:
? Acoustics and Ultrasonics (Q1, rank 5, percentile 91)
? Source Id: 13516
? Author Ids: 14048008100;6507054061;22035995400;7007035725
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Crocco M.

79.

? Title: Combining multi-pulse excitation and chirp coding in contrast enhanced echographic imaging
? Venue: 1st 2008 IEEE Workshop on Imaging Systems and Techniques Proceedings
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Ist.2008.4659938
? Scopus ID: 2-s2.0-57849120270
? Pages: 45-49
? Authors: Crocco Marco; Pellegretti Paolo; Sciallero Claudia; Trucco Andrea
? Keywords: Chirp coding | Contrast agents | Echographic imaging | Multi pulse

techniques

? Source Id: 14000156210
? Author Ids: 14048008100;7801594635;22035995400;7007035725
? Authoraffiliationids: 60025153;60113818;60025153;60025153
? Corresponding: Crocco M.

80.

? Title: Experimental validation of a chirp-based underwater acoustic communication method
? Venue: Proceedings European Conference on Noise Control
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-84874926120
? Issn: 22265147
? Pages: 147-152
? Authors: Palmese M.; Bertolotto G.; Pescetto A.; Trucco A.
? Source Id: 21100215101
? Author Ids: 6507054061;23007816800;6506761928;7007035725
? Authoraffiliationids: 60025153;60083109;60122238;60025153
? Corresponding: Palmese M.

81.

? Title: Global synthesis of superdirective frequency-invariant beam patterns
? Venue: Proceedings European Conference on Noise Control
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-84874861461
? Issn: 22265147
? Pages: 81-86
? Authors: Crocco M.; Repetto S.; Trucco A.
? Source Id: 21100215101
? Author Ids: 14048008100;7005174907;7007035725
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Crocco M.

82.

? Title: Experimental validation of a chirp-based underwater acoustic communication method
? Venue: Proceedings of Meetings on Acoustics
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Doi: 10.1121/1.2988054
? Scopus ID: 2-s2.0-84865956851
? Issn: 1939800x
? Volume: 4
? Authors: Palmese Maria; Bertolotto Giacomo; Pescetto Alessandro; Trucco Andrea
? Quartile:
2025:
? Acoustics and Ultrasonics (Q3, rank 38, percentile 29)
? Source Id: 21100215110
? Author Ids: 6507054061;23007816800;6506761928;7007035725

- ? Authoraffiliationids: 60025153;60083109;60122238;60025153
? Corresponding: Palmese M.
83.
? Title: Global synthesis of superdirective frequency-invariant beam patterns
? Venue: Proceedings of Meetings on Acoustics
? Year: 2008
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1121/1.2976159
? Scopus ID: 2-s2.0-84863803286
? Issn: 1939800x
? Volume: 4
? Authors: Crocco Marco; Repetto Stefania; Trucco Andrea
? Quartile:
2025:
? Acoustics and Ultrasonics (Q3, rank 38, percentile 29)
? Source Id: 21100215110
? Author Ids: 14048008100;7005174907;7007035725
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Crocco M.
84.
? Title: Devising an affordable sonar system for underwater 3-D vision
? Venue: IEEE Transactions on Instrumentation and Measurement
? Year: 2008
? Type: Journal
? Subtype: Article
? Citations: 74
? Doi: 10.1109/TIM.2008.922111
? Scopus ID: 2-s2.0-52649167281
? Issn: 00189456
? Volume: 57
? Issue: 10
? Pages: 2348-2354
? Authors: Trucco Andrea; Palmese Maria; Repetto Stefania
? Keywords: Real-time 3-D acoustic camera | Simulation of underwater acoustic signals | Sparse planar arrays | Three-dimensional acoustic imaging | Underwater sonar imaging
? Quartile:
2025:
? Instrumentation (Q1, rank 16, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 119, percentile 88)
? Source Id: 15361
? Author Ids: 7007035725;6507054061;7005174907
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Trucco A.
85.
? Title: From 3-D sonar images to augmented reality models for objects buried on the seafloor
? Venue: IEEE Transactions on Instrumentation and Measurement
? Year: 2008
? Type: Journal
? Subtype: Article
? Citations: 28
? Doi: 10.1109/TIM.2007.913703

? Scopus ID: 2-s2.0-41549086497
? Issn: 00189456
? Volume: 57
? Issue: 4
? Pages: 820-828
? Authors: Palmese Maria; Trucco Andrea
? Keywords: Augmented reality | Image processing and analysis | Imaging sonar systems | Investigation of buried objects | Segmentation | Surface fitting | Three-dimensional (3-D) acoustic imaging | Underwater imaging
? Quartile:
2025:
? Instrumentation (Q1, rank 16, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 119, percentile 88)
? Source Id: 15361
? Author Ids: 6507054061;7007035725
? Authoraffiliationids: 60025153;60025153
? Corresponding: Palmese M.

86.
? Title: Chirp zeta transform beamforming for three-dimensional acoustic imaging
? Venue: Journal of the Acoustical Society of America
? Year: 2007
? Type: Journal
? Subtype: Article
? Citations: 8
? Doi: 10.1121/1.2794881
? Scopus ID: 2-s2.0-38049049803
? Issn: 00014966
? Volume: 122
? Issue: 5
? Pages: EL191-EL195
? Authors: Palmese Maria; Trucco Andrea
? Quartile:
2025:
? Arts and Humanities (miscellaneous) (Q1, rank 96, percentile 85)
? Acoustics and Ultrasonics (Q2, rank 15, percentile 72)
? Source Id: 12936
? Author Ids: 6507054061;7007035725
? Authoraffiliationids: 60025153;60025153
? Corresponding: Palmese M.

87.
? Title: On the optimization of the transmitted beam in contrast-enhanced ultrasound medical imaging
? Venue: IEEE Transactions on Instrumentation and Measurement
? Year: 2007
? Type: Journal
? Subtype: Article
? Citations: 18
? Doi: 10.1109/TIM.2007.900151
? Scopus ID: 2-s2.0-34547879971
? Issn: 00189456
? Volume: 56
? Issue: 4
? Pages: 1239-1248
? Authors: Curletto Simone; Palmese Maria; Trucco Andrea

? Keywords: Near-field wideband beamforming optimization | Nonlinear response measurement | Transmission beam pressure | Ultrasound contrast agents (UCAs) | Ultrasound medical imaging

? Quartile:

2025:

? Instrumentation (Q1, rank 16, percentile 91)

? Electrical and Electronic Engineering (Q1, rank 119, percentile 88)

? Source Id: 15361

? Author Ids: 6506846892;6507054061;7007035725

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Curletto S.

88.

? Title: Spread spectrum modulation for acoustic communication in shallow water channel

? Venue: Oceans 2007 Europe

? Year: 2007

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 20

? DOI: 10.1109/oceanse.2007.4302308

? Scopus ID: 2-s2.0-36348979844

? Authors: Palmese Maria; Bertolotto Giacomo; Pescetto Alessandro; Trueco Andrea

? Keywords: Chirp modulation | Pseudonoise coded communication | Underwater acoustic communication | Underwater mobile robots

? Source Id: 21100996432

? Author Ids: 6507054061;23007816800;6506761928;7007035725

? Authoraffiliationids: 60000251-60025153;60083109;60122238;60000251-60025153

? Corresponding: Palmese M.

89.

? Title: On the robustness of multi-pulse techniques against undesired effects in contrast enhanced ultrasound imaging

? Venue: Proceedings of the 2007 IEEE International Workshop on Imaging Systems and Techniques Ist 07

? Year: 2007

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? DOI: 10.1109/ist.2007.379571

? Scopus ID: 2-s2.0-34748919666

? Authors: Crocco Marco; Sciallero Claudia; Trucco Andrea

? Keywords: Contrast agents | Echographic imaging | Multi pulse techniques | Robustness

? Source Id: 21100984531

? Author Ids: 14048008100;22035995400;7007035725

? Authoraffiliationids: 60000251;60000251;60000251

? Corresponding: Crocco M.

90.

? Title: Digital near field beamforming for efficient 3-D underwater acoustic image generation

? Venue: Proceedings of the 2007 IEEE International Workshop on Imaging Systems and Techniques Ist 07

? Year: 2007

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 9

? DOI: 10.1109/ist.2007.379570

- ? Scopus ID: 2-s2.0-34748823117
? Authors: Palmese Maria; Trucco Andrea
? Keywords: 3-D acoustic imaging | Frequency-domain near field beamforming | Planar arrays | Sonar systems
? Source Id: 7900153128
? Author Ids: 6507054061;7007035725
? Authoraffiliationids: 60000251-60025153;60000251-60025153
? Corresponding: Palmese M.
91.
? Title: 3-D underwater acoustic imaging by an efficient frequency domain beamforming
? Venue: Ist 2006 Proceedings of the 2006 IEEE International Workshop on Imaging Systems and Techniques
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Doi: 10.1109/Ist.2006.1650781
? Scopus ID: 2-s2.0-33845598482
? Volume: 2006
? Pages: 86-90
? Authors: Palmese Maria; De Toni Giovanni; Trucco Andrea
? Keywords: 3-D acoustic imaging | Chirp zeta transform | Digital beamforming | Frequency domain implementation | Sonar systems
? Source Id: 5100153514
? Author Ids: 6507054061;57224713193;7007035725
? Authoraffiliationids: 60025153;102012228;60025153
? Corresponding: Palmese M.
92.
? Title: Experimental assessment of image enhancement and object detection methods applied to mechanically scanned sonar systems
? Venue: Ist 2006 Proceedings of the 2006 IEEE International Workshop on Imaging Systems and Techniques
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Ist.2006.1650789
? Scopus ID: 2-s2.0-33845585496
? Volume: 2006
? Pages: 125-130
? Authors: Repetto S.; Ayala V.; Garofalo M.; Scarpa M.; Trucco A.
? Keywords: Acoustic imaging systems | Fan-shaped-beam sonar system | Image analysis techniques | Image enhancement techniques | Pencil-beam sonar system
? Source Id: 5100153514
? Author Ids: 7005174907;53763082600;15622820900;55900114400;7007035725
? Authoraffiliationids: 60025153;60025153;60025153;101603721;60025153
? Corresponding: Repetto S.
93.
? Title: On the interpolation of echographic images exploiting band-pass signals
? Venue: Ist 2006 Proceedings of the 2006 IEEE International Workshop on Imaging Systems and Techniques
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper

? Citations: 0
? Doi: 10.1109/Ist.2006.1650778
? Scopus ID: 2-s2.0-33845568369
? Volume: 2006
? Pages: 71-75
? Authors: Curletto Simone; Trucco Andrea
? Source Id: 5100153514
? Author Ids: 6506846892;7007035725
? Authoraffiliationids: 60025153;60025153
? Corresponding: Curletto S.

94.

? Title: Evaluation of object specular reflection in acoustical imaging, with special emphasis on synthetic aperture systems
? Venue: Proceedings of the Institute of Acoustics
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-84871011212
? Issn: 14786095
? Volume: 28
? Issue: Part 5
? Pages: 298-304
? Authors: Granara M.; Palmese M.; Trucco A.
? Quartile:
2025:
? Acoustics and Ultrasonics (Q4, rank 50, percentile 6)
? Source Id: 21100223154
? Author Ids: 6508116928;6507054061;7007035725
? Authoraffiliationids: 100854094;60025153;60025153
? Corresponding: Granara M.

95.

? Title: Design and assessment of a low-cost 3-D sonar imaging system based on a sparse array
? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 13
? Doi: 10.1109/Imtc.2006.236937
? Scopus ID: 2-s2.0-36048978156
? Issn: 10915281
? Pages: 410-415
? Authors: Repetto S.; Palmese M.; Trucco A.
? Keywords: 3-D acoustic imaging | Beamforming | Sparse planar arrays | Underwater sonar imaging
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 634, percentile 36)
? Source Id: 15045
? Author Ids: 7005174907;6507054061;7007035725
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Repetto S.

96.

- ? Title: Characterizing the objects embedded in the sea-bottom by processing 3-D acoustic images
? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Imtc.2006.235958
? Scopus ID: 2-s2.0-36048961475
? Issn: 10915281
? Pages: 168-173
? Authors: Palmese Maria; Trucco Andrea
? Keywords: 3-D acoustical imaging | Augmented reality modelling | Buried objects investigation | Image processing and analysis | Segmentation | Surface fitting
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 634, percentile 36)
? Source Id: 15045
? Author Ids: 6507054061;7007035725
? Authoraffiliationids: 60025153;60025153
? Corresponding: Palmese M.
97.
? Title: Ultrasound pulse optimization for the measurement of the contrast agent responses
? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference
? Year: 2006
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Imtc.2006.235037
? Scopus ID: 2-s2.0-34547866588
? Issn: 10915281
? Pages: 1694-1698
? Authors: Curletto Simone; Trueco Andrea
? Keywords: Nonlinear response measurement | Transmission beam profile | Ultrasound contrast agent | Weights array and transmission carrier frequencies optimization
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 634, percentile 36)
? Source Id: 15045
? Author Ids: 6506846892;7007035725
? Authoraffiliationids: 60025153;60025153
? Corresponding: Curletto S.
98.
? Title: Harmonic beamforming: Performance analysis and imaging results
? Venue: IEEE Transactions on Instrumentation and Measurement
? Year: 2006
? Type: Journal
? Subtype: Article
? Citations: 6
? Doi: 10.1109/Tim.2006.884397
? Scopus ID: 2-s2.0-33947306587
? Issn: 00189456
? Volume: 55

? Issue: 6
? Pages: 1965-1974
? Authors: Trucco Andrea; Bertora Franco
? Keywords: Beamforming | Harmonic imaging | Ultrasound contrast agents (UCAs) | Ultrasound imaging | Wideband signal processing
? Quartile:
2025:
? Instrumentation (Q1, rank 16, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 119, percentile 88)
? Source Id: 15361
? Author Ids: 7007035725;6602595412
? Authoraffiliationids: 60000251-60025153;60000251-60113818
? Corresponding: Trucco A.

99.

? Title: GIS tools application for risk assessment of toxic waste buried in seafloor sediments
? Venue: Chemistry and Ecology
? Year: 2006
? Type: Journal
? Subtype: Article
? Citations: 2
? Doi: 10.1080/02757540600670828
? Scopus ID: 2-s2.0-33748311897
? Issn: 02757540
? eISSN: 10290370
? Volume: 22
? Issue: Suppl. 1
? Pages: S145-S161
? Authors: Caiti A.; Minciardi R.; Palmese M.; Robba M.; Sacile R.; Trucco A.
? Keywords: Environmental monitoring | Geographical information systems | Image processing | Underwater acoustics
? Quartile:

2025:

? Ecology, Evolution, Behavior and Systematics (Q1, rank 169, percentile 77)
? Ecology (Q2, rank 126, percentile 74)
? Earth and Planetary Sciences (all) (Q2, rank 53, percentile 73)
? Environmental Science (all) (Q2, rank 89, percentile 62)
? Source Id: 23407
? Author Ids: 7003811129;7005785660;6507054061;7004979187;56250207700;7007035725
? Authoraffiliationids: 126435116-60028868;126435116-60025153;126435116-60025153;126435116-60025153;126435116-60025153;126435116-60025153
? Corresponding: Caiti A.

100.

? Title: Signal processing strategy for the exploitation of ultrasound contrast agents by current medical instrumentation
? Venue: IEEE Transactions on Instrumentation and Measurement
? Year: 2006
? Type: Journal
? Subtype: Article
? Citations: 6
? Doi: 10.1109/TIM.2006.876401
? Scopus ID: 2-s2.0-33746354311
? Issn: 00189456
? Volume: 55

- ? Issue: 4
? Pages: 1397-1406
? Authors: Trucco Andrea; Curletto Simone
? Keywords: Beam pressure profile | Optimized array transmission | Ultrasound contrast agents | Ultrasound medical imaging | Weighting windows | Wideband beamforming
? Quartile:
2025:
? Instrumentation (Q1, rank 16, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 119, percentile 88)
? Source Id: 15361
? Author Ids: 7007035725;6506846892
? Authoraffiliationids: 60025153;60025153
? Corresponding: Trucco A.
101.
? Title: Acoustic imaging of underwater embedded objects: Signal simulation for three-dimensional sonar instrumentation
? Venue: IEEE Transactions on Instrumentation and Measurement
? Year: 2006
? Type: Journal
? Subtype: Article
? Citations: 44
? Doi: 10.1109/TIM.2006.876402
? Scopus ID: 2-s2.0-33746346442
? Issn: 00189456
? Volume: 55
? Issue: 4
? Pages: 1339-1347
? Authors: Palmese Maria; Trucco Andrea
? Keywords: Acoustic imaging | Buried objects | Signal simulation | Sonar systems | Three-dimensional (3-D) acoustic instrumentation | Underwater acoustics
? Quartile:
2025:
? Instrumentation (Q1, rank 16, percentile 91)
? Electrical and Electronic Engineering (Q1, rank 119, percentile 88)
? Source Id: 15361
? Author Ids: 6507054061;7007035725
? Authoraffiliationids: 60025153;60025153
? Corresponding: Palmese M.
102.
? Title: A stochastic approach to the synthesis of a robust frequency-invariant filter-and-sum beamformer
? Venue: IEEE Transactions on Instrumentation and Measurement
? Year: 2006
? Type: Journal
? Subtype: Article
? Citations: 46
? Doi: 10.1109/TIM.2006.876403
? Scopus ID: 2-s2.0-33746330741
? Issn: 00189456
? Volume: 55
? Issue: 4
? Pages: 1407-1415
? Authors: Trucco Andrea; Crocco Marco; Repetto Stefania
? Keywords: Broadband beamforming | Data-independent beamforming | Frequency-invariant

beam pattern (FIBP) | Microphone arrays | Simulated annealing (SA) | Superdirective arrays

? Quartile:

2025:

? Instrumentation (Q1, rank 16, percentile 91)

? Electrical and Electronic Engineering (Q1, rank 119, percentile 88)

? Source Id: 15361

? Author Ids: 7007035725;14048008100;7005174907

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Trucco A.

103.

? Title: Designing superdirective microphone arrays with a frequency-invariant beam pattern

? Venue: IEEE Sensors Journal

? Year: 2006

? Type: Journal

? Subtype: Article

? Citations: 11

? Doi: 10.1109/Jsen.2006.874019

? Scopus ID: 2-s2.0-33947166252

? Issn: 1530437x

? Volume: 6

? Issue: 3

? Pages: 737-746

? Authors: Repetto Stefania; Trucco Andrea

? Keywords: Broadband beamforming | Data-independent beamforming | Frequency-invariant beam pattern (FIBP) | Microphone arrays | Simulated annealing | Superdirective arrays

? Quartile:

2025:

? Instrumentation (Q1, rank 27, percentile 85)

? Electrical and Electronic Engineering (Q1, rank 175, percentile 82)

? Source Id: 15047

? Author Ids: 7005174907;7007035725

? Authoraffiliationids: 60000251-60025153;60000251-60025153

? Corresponding: Repetto S.

104.

? Title: A simulation method for the design of a 3-D acoustical imaging system for sub-bottom investigation

? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference

? Year: 2005

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Imtc.2004.1351289

? Scopus ID: 2-s2.0-33847167013

? Issn: 10915281

? Volume: 2

? Pages: 1240-1245

? Authors: Palmese Maria; Trucco Andrea

? Quartile:

2025:

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

? Source Id: 15045

? Author Ids: 6507054061;7007035725

- ? Authoraffiliationids: 60025153;60025153
? Corresponding: Palmese M.
105.
? Title: Advanced generation of ultrasound beams for the measurement of the contrast agent responses
? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Doi: 10.1109/Imtc.2003.1207926
? Scopus ID: 2-s2.0-33847127370
? Issn: 10915281
? Volume: 2
? Pages: 1108-1112
? Authors: Curletto Simone; Trucco Andrea
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 634, percentile 36)
? Source Id: 15045
? Author Ids: 6506846892;7007035725
? Authoraffiliationids: 60025153;60025153
? Corresponding: Curletto S.
106.
? Title: High-resolution 3-D imaging by a sparse array: Array optimization and image simulation
? Venue: Oceans 2005 Europe
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 11
? Doi: 10.1109/Oceanse.2005.1513152
? Scopus ID: 2-s2.0-33746915738
? Volume: 2
? Pages: 763-768
? Authors: Repetto S.; Palmese M.; Trucco A.
? Source Id: 4700152814
? Author Ids: 7005174907;6507054061;7007035725
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Repetto S.
107.
? Title: On the analysis of buried objects by processing 3-D acoustic images
? Venue: Oceans 2005 Europe
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Oceanse.2005.1511740
? Scopus ID: 2-s2.0-33746680393
? Volume: 1
? Pages: 356-361
? Authors: Palmese M.; Caiti A.; Trucco A.
? Source Id: 4700152814
? Author Ids: 6507054061;7003811129;7007035725

? Authoraffiliationids: 105427934-60025153;105427934-60028868;105427934-60025153

? Corresponding: Palmese M.

108.

? Title: Frequency-invariant beamforming in very short arrays for AUVs instrumentation

? Venue: Conference Record IEEE Instrumentation and Measurement Technology Conference

? Year: 2005

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Imtc.2002.1007112

? Scopus ID: 2-s2.0-33746346960

? Issn: 10915281

? Volume: 2

? Pages: 1113-1118

? Authors: Repetto Stefania; Trucco Andrea

? Quartile:

2025:

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

? Source Id: 15045

? Author Ids: 7005174907;7007035725

? Authoraffiliationids: 60025153;60025153

? Corresponding: Repetto S.

109.

? Title: Risk assessment of seafloor waste: Acoustical imaging of buried waste

? Venue: Journal of Computational Acoustics

? Year: 2005

? Type: Journal

? Subtype: Article

? Citations: 1

? Doi: 10.1142/S0218396x05002694

? Scopus ID: 2-s2.0-22244490307

? Issn: 0218396x

? Volume: 13

? Issue: 2

? Pages: 385-401

? Authors: Caiti Andrea; Palmese Maria; Trucco Andrea

? Keywords: 3D image processing | Backscattering | Image segmentation | Octree | Risk assessment | Sea bottom

? Source Id: 13189

? Author Ids: 7003811129;6507054061;7007035725

? Authoraffiliationids: 60028868;60025153;60025153

? Corresponding: Caiti A.

110.

? Title: On the shaping of the main lobe in wide-band arrays

? Venue: IEEE Transactions on Ultrasonics Ferroelectrics and Frequency Control

? Year: 2005

? Type: Journal

? Subtype: Article

? Citations: 10

? Doi: 10.1109/Tuffc.2005.1428045

? Scopus ID: 2-s2.0-19344372167

? Issn: 08853010

? Volume: 52

? Issue: 4

? Pages: 619-630
? Authors: Curletto Simone; Trucco Andrea
? Quartile:
2025:
? Acoustics and Ultrasonics (Q1, rank 4, percentile 93)
? Instrumentation (Q1, rank 20, percentile 89)
? Electrical and Electronic Engineering (Q1, rank 138, percentile 86)
? Source Id: 12998
? Author Ids: 6506846892;7007035725
? Authoraffiliationids: 60025153;60025153
? Corresponding: Curletto S.

111.

? Title: Analysis of buried objects in 3D underwater acoustic images by a volumetric segmentation algorithm
? Venue: Proceedings of Mts IEEE Oceans 2005
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Doi: 10.1109/Oceans.2005.1639849
? Scopus ID: 2-s2.0-33947111523
? Volume: 2005
? Pages: 791-797
? Authors: Palmese M.; Trucco A.
? Source Id: 5300152514
? Author Ids: 6507054061;7007035725
? Authoraffiliationids: 60025153;60025153
? Corresponding: Palmese M.

112.

? Title: Improving harmonic imaging by a novel beamforming process for ultrasound medical scanners
? Venue: Proceedings International Conference on Image Processing Icip
? Year: 2005
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1109/Icip.2005.1530467
? Scopus ID: 2-s2.0-33749247813
? Issn: 15224880
? Volume: 3
? Pages: 3-616
? Authors: Trucco Andrea; Bertora Franco
? Quartile:
2025:
? Computer Vision and Pattern Recognition (Q2, rank 64, percentile 62)
? Signal Processing (Q2, rank 78, percentile 60)
? Software (Q2, rank 247, percentile 50)
? Source Id: 144684
? Author Ids: 7007035725;6602595412
? Authoraffiliationids: 60025153;125019718
? Corresponding: Trucco A.

113.

? Title: An alternative frequency domain beamforming
? Venue: Proceedings IEEE Ultrasonics Symposium

? Year: 2004
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 5
? Doi: 10.1109/Ultsym.2004.1418164
? Scopus ID: 2-s2.0-21644445442
? Issn: 10510117
? Volume: 3
? Pages: 1749-1752
? Authors: Bertora F.; Pellegretti P.; Questa A.; Parodi C.; Trucco A.
? Source Id: 101599
? Author Ids: 6602595412;7801594635;8601560000;16172182500;7007035725
? Authoraffiliationids: 60113818;60113818;60113818;60025153;60025153
? Corresponding: Bertora F.

114.

? Title: Frequency invariant beamforming in very short arrays
? Venue: Ocean 04 Mts IEEE Techno Ocean 04 Bridges Across the Oceans Conference Proceedings
? Year: 2004
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-19644376021
? Volume: 2
? Pages: 635-640
? Authors: Trucco Andrea; Repetto Stefania
? Source Id: 145321
? Author Ids: 7007035725;7005174907
? Authoraffiliationids: 60025153;60025153
? Corresponding: Trucco A.

115.

? Title: A flexible method to simulate 3-D underwater sub-bottom images
? Venue: Ocean 04 Mts IEEE Techno Ocean 04 Bridges Across the Oceans Conference Proceedings
? Year: 2004
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Scopus ID: 2-s2.0-19544376956
? Volume: 4
? Pages: 2346-2353
? Authors: Palmese Maria; Trucco Andrea
? Source Id: 21100496316
? Author Ids: 6507054061;7007035725
? Authoraffiliationids: 60025153;60025153
? Corresponding: Palmese M.

116.

? Title: A new beamforming technique aimed at improving the ultrasound harmonic imaging
? Venue: 2004 IEEE International Workshop on Imaging Systems and Techniques Ist
? Year: 2004
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-15844419770

? Pages: 71-75

? Authors: Trucco Andrea; Bertora Franco

? Keywords: Beamforming | Harmonic Imaging | Ultrasound Imaging | Wide-Band Signal Processing

? Source Id: 145102

? Author Ids: 7007035725;6602595412

? Authoraffiliationids: 60025153;60113818

? Corresponding: Trucco A.

117.

? Title: A stochastic approach for the apodization of very short arrays

? Venue: Ultrasonics

? Year: 2004

? Type: Journal

? Subtype: Conference Paper

? Citations: 10

? DOI: 10.1016/j.ultras.2003.12.038

? Scopus ID: 2-s2.0-1642632782

? Issn: 0041624x

? Volume: 42

? Issue: 1-9

? Pages: 425-429

? Authors: Repetto S.; Trucco A.

? Keywords: Array apodization | Beam pattern optimization | Simulated annealing | Weighting window synthesis

? Quartile:

2025:

? Acoustics and Ultrasonics (Q1, rank 5, percentile 91)

? Source Id: 13516

? Author Ids: 7005174907;7007035725

? Authoraffiliationids: 60025153;60025153

? Corresponding: Repetto S.

118.

? Title: On the stability of wideband beam patterns with respect to weighting and envelope fluctuations

? Venue: Ultrasonics

? Year: 2004

? Type: Journal

? Subtype: Conference Paper

? Citations: 4

? DOI: 10.1016/j.ultras.2003.12.006

? Scopus ID: 2-s2.0-1642617164

? Issn: 0041624x

? Volume: 42

? Issue: 1-9

? Pages: 997-1003

? Authors: Curletto Simone; Parodi Caterina; Trucco Andrea

? Keywords: Pulse envelope | Sensitivity fluctuations | Weighting window | Wideband beam pattern

? Quartile:

2025:

? Acoustics and Ultrasonics (Q1, rank 5, percentile 91)

? Source Id: 13516

? Author Ids: 6506846892;58363193700;7007035725

? Authoraffiliationids: 60025153;60113818;60025153

- ? Corresponding: Curletto S.
119.
? Title: Harmonic beamforming: A new approach to removing the linear contribution from harmonic imaging
? Venue: Proceedings of the IEEE Ultrasonics Symposium
? Year: 2003
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-4143065975
? Issn: 10510117
? Volume: 1
? Pages: 457-460
? Authors: Trucco Andrea; Bertora Franco
? Source Id: 101599
? Author Ids: 7007035725;6602595412
? Authoraffiliationids: 60025153;60113818
? Corresponding: Trucco A.
120.
? Title: Object reconstruction and feature extraction from 3-D underwater acoustic scattering measurements
? Venue: Proceedings of the Tenth International Congress on Sound and Vibration
? Year: 2003
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Scopus ID: 2-s2.0-2342428970
? Pages: 2449-2456
? Authors: Caiti A.; Murino V.; Palmese M.; Trucco A.
? Source Id: 93047
? Author Ids: 7003811129;7006595496;6507054061;7007035725
? Authoraffiliationids:
101907701-60028868;101907701-60032256;101907701-60025153;101907701-60025153
? Corresponding: Caiti A.
121.
? Title: Image projection and composition with a front-scan sonar system: Methods and experimental results
? Venue: IEEE Journal of Oceanic Engineering
? Year: 2003
? Type: Journal
? Subtype: Article
? Citations: 2
? Doi: 10.1109/Joe.2003.819316
? Scopus ID: 2-s2.0-0347900650
? Issn: 03649059
? Volume: 28
? Issue: 4
? Pages: 687-698
? Authors: Trucco Andrea; Palmese Maria; Repetto Stefania
? Keywords: Acoustic image interpolation | Acoustic ray tracing | Imaging sonar systems | Resolution cell projection
? Quartile:
2025:
? Ocean Engineering (Q1, rank 11, percentile 90)

? Mechanical Engineering (Q1, rank 88, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 135, percentile 86)
? Source Id: 17277
? Author Ids: 7007035725;6507054061;7005174907
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Trucco A.

122.

? Title: Flattening the side-lobes of wide-band beam patterns
? Venue: IEEE Journal of Oceanic Engineering
? Year: 2003
? Type: Journal
? Subtype: Article
? Citations: 7
? Doi: 10.1109/Joe.2003.819317
? Scopus ID: 2-s2.0-0346009245
? Issn: 03649059
? Volume: 28
? Issue: 4
? Pages: 760-762
? Authors: Trucco Andrea; Curletto Simone
? Keywords: Array weighting | Beam pattern optimization | Simulated annealing | Wide-band beamforming
? Quartile:
2025:
? Ocean Engineering (Q1, rank 11, percentile 90)
? Mechanical Engineering (Q1, rank 88, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 135, percentile 86)
? Source Id: 17277
? Author Ids: 7007035725;6506846892
? Authoraffiliationids: 60025153;60025153
? Corresponding: Trucco A.

123.

? Title: Extraction of 3-D information from sonar image sequences
? Venue: IEEE Transactions on Systems Man and Cybernetics Part B Cybernetics
? Year: 2003
? Type: Journal
? Subtype: Article
? Citations: 16
? Doi: 10.1109/Tsmcb.2003.814300
? Scopus ID: 2-s2.0-0042265729
? Issn: 10834419
? Volume: 33
? Issue: 4
? Pages: 687-699
? Authors: Trucco Andrea; Curletto Simone
? Keywords: Acoustic image processing | Depth estimating | Feature tracking | Seafloor analysis | Sonar imaging
? Source Id: 12955
? Author Ids: 7007035725;6506846892
? Authoraffiliationids: 60025153;60025153
? Corresponding: Trucco A.

124.

? Title: Main lobe shaping in wide-band arrays
? Venue: Oceans Conference Record IEEE

- ? Year: 2003
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 2
? DOI: 10.1109/oceans.2003.178363
? Scopus ID: 2-s2.0-1542610560
? Issn: 01977385
? Volume: 5
? Pages: 2869-2874
? Authors: Curletto Simone; Trucco Andrea
? Quartile:
2025:
? Ocean Engineering (Q3, rank 84, percentile 28)
? Oceanography (Q4, rank 117, percentile 23)
? Source Id: 13654
? Author Ids: 6506846892;7007035725
? Authoraffiliationids: 60025153;60025153
? Corresponding: Curletto S.
125.
? Title: A holographic system for subsea recording and analysis of plankton and other marine particles (HOLOMAR)
? Venue: Oceans Conference Record IEEE
? Year: 2003
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 9
? DOI: 10.1109/oceans.2003.178428
? Scopus ID: 2-s2.0-12144289913
? Issn: 01977385
? Volume: 2
? Pages: 830-837
? Authors: Watson John; Alexander S.; Chavidan V.; Craig G.; Diard A.; Foresti G. L.; Gentili S.; Hendry D. C.; Hobson P. R.; Lampitt R. S.; Nareid H.; Nebrensky J. J.; Pescetto A.; Pieroni G. G.; Player M. A.; Saw K.; Serpico S.; Tipping K.; Trucco A.
? Quartile:
2025:
? Ocean Engineering (Q3, rank 84, percentile 28)
? Oceanography (Q4, rank 117, percentile 23)
? Source Id: 13654
? Author Ids: 35396124700;7402790968;57209898647;7101867237;6506549262;7006427233;7004229097;7006187679;35778258500;7004317264;6602567713;6602213411;6506761928;35584434700;23002014900;36800356200;7005306316;7801508249;7007035725
? Authoraffiliationids: 60015875;60015875;;60015875;100371427;60025965;60025965;6001587
5;60020623;60020623;60015875;60020623;60025153;60025965;60015875;60010934;60015875;60010934;60025153
? Corresponding: Watson J.
126.
? Title: Planar antenna array design with a multi-purpose Ga-based procedure
? Venue: Microwave and Optical Technology Letters
? Year: 2002
? Type: Journal
? Subtype: Article
? Citations: 21
? DOI: 10.1002/mop.10629

? Scopus ID: 2-s2.0-0037147375
? Issn: 08952477
? Volume: 35
? Issue: 6
? Pages: 428-430
? Authors: Caorsi Salvatore; Lommi Andrea; Massa Andrea; Piffer Stefano; Trucco Andrea
? Keywords: Genetic algorithms | Planar antenna array
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 542, percentile 45)
? Electronic, Optical and Magnetic Materials (Q3, rank 199, percentile 35)
? Atomic and Molecular Physics, and Optics (Q3, rank 156, percentile 34)
? Condensed Matter Physics (Q3, rank 296, percentile 33)
? Source Id: 12250
? Author Ids: 7102084534;6506912559;7005085831;57197975521;7007035725
? Authoraffiliationids: 60015197;60015197;60015986;60015986;60025153
? Corresponding: Caorsi S.

127.
? Title: Projection and mosaicking of real data gathered with a front-scan sonar system
? Venue: Oceans Conference Record IEEE
? Year: 2002
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 1
? Scopus ID: 2-s2.0-0038645281
? Issn: 01977385
? Volume: 4
? Pages: 2466-2471
? Authors: Repetto Stefania; Palmese Maria; Trucco Andrea
? Quartile:
2025:
? Ocean Engineering (Q3, rank 84, percentile 28)
? Oceanography (Q4, rank 117, percentile 23)
? Source Id: 13654
? Author Ids: 7005174907;6507054061;7007035725
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Repetto S.

128.
? Title: Feature tracking and depth estimation in front-scan sonar image sequences
? Venue: Oceans Conference Record IEEE
? Year: 2002
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-0038307826
? Issn: 01977385
? Volume: 3
? Pages: 1306-1311
? Authors: Trucco Andrea; Curletto Simone; Pescetto Alessandro
? Quartile:
2025:
? Ocean Engineering (Q3, rank 84, percentile 28)
? Oceanography (Q4, rank 117, percentile 23)
? Source Id: 13654

? Author Ids: 7007035725;6506846892;6506761928
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Trucco A.

129.

? Title: Mosaicking data in seafloor front-scan imaging
? Venue: Acta Acustica United with Acustica
? Year: 2002
? Type: Journal
? Subtype: Conference Paper
? Citations: 2
? Scopus ID: 2-s2.0-14244273306
? Issn: 14367947
? Volume: 88
? Issue: 5
? Pages: 767-770
? Authors: Trucco A.; Palmese M.; Repetto S.
? Source Id: 12941
? Author Ids: 7007035725;6507054061;7005174907
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Trucco A.

130.

? Title: Observation of acoustical signal fluctuations by time-frequency analysis methods
? Venue: Acta Acustica United with Acustica
? Year: 2002
? Type: Journal
? Subtype: Conference Paper
? Citations: 1
? Scopus ID: 2-s2.0-14244272904
? Issn: 14367947
? Volume: 88
? Issue: 5
? Pages: 653-657
? Authors: Palmese M.; Bozzo A.; Jesus S.; Onofre J.; Picco P.; Trucco A.
? Source Id: 12941
? Author Ids: 6507054061;57212497769;7003729485;6506077203;7005847398;7007035725
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153
? Corresponding: Palmese M.

131.

? Title: Weighting and thinning wide-band arrays by simulated annealing
? Venue: Ultrasonics
? Year: 2002
? Type: Journal
? Subtype: Conference Paper
? Citations: 56
? Doi: 10.1016/S0041-624x(02)00163-4
? Scopus ID: 2-s2.0-0036565949
? Issn: 0041624x
? Volume: 40
? Issue: 1-8
? Pages: 485-489
? Authors: Trucco Andrea
? Keywords: Acoustic imaging | Array thinning | Beamforming systems | Stochastic optimization | Wide-band arrays

? Quartile:

2025:

? Acoustics and Ultrasonics (Q1, rank 5, percentile 91)

? Source Id: 13516

? Author Ids: 7007035725

? Authoraffiliationids: 60025153

? Corresponding: Trucco A.

132.

? Title: Sidelobe reduction in sparse linear arrays by genetic algorithms

? Venue: Microwave and Optical Technology Letters

? Year: 2002

? Type: Journal

? Subtype: Article

? Citations: 61

? DOI: 10.1002/mop.10128

? Scopus ID: 2-s2.0-0037022147

? Issn: 08952477

? Volume: 32

? Issue: 3

? Pages: 194-196

? Authors: Lommi Andrea; Massa Andrea; Storti Enrico; Trucco Andrea

? Keywords: Beam pattern | Beamforming | Genetic algorithms | Linear array

? Quartile:

2025:

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

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

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

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

? Source Id: 12250

? Author Ids: 6506912559;7005085831;37075950700;7007035725

? Authoraffiliationids:

60025153-60015986;60025153-60015986;60025153-60015986;60025153-60015986

? Corresponding: Lommi A.

133.

? Title: Synthesizing wide-band sparse arrays by simulated annealing

? Venue: Oceans Conference Record IEEE

? Year: 2001

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 19

? Scopus ID: 2-s2.0-0035672992

? Issn: 01977385

? Volume: 2

? Pages: 989-994

? Authors: Trucco A.

? Quartile:

2025:

? Ocean Engineering (Q3, rank 84, percentile 28)

? Oceanography (Q4, rank 117, percentile 23)

? Source Id: 13654

? Author Ids: 7007035725

? Authoraffiliationids: 60025153

? Corresponding: Trucco A.

134.

- ? Title: Experimental results on the detection of embedded objects by a prewhitening filter
? Venue: IEEE Journal of Oceanic Engineering
? Year: 2001
? Type: Journal
? Subtype: Article
? Citations: 17
? Doi: 10.1109/48.972119
? Scopus ID: 2-s2.0-0035493206
? Issn: 03649059
? Volume: 26
? Issue: 4
? Pages: 783-794
? Authors: Trucco Andrea
? Keywords: Acoustic detection | AR modeling | Buried objects | Prewhitening filters | Sonar systems
? Quartile:
2025:
? Ocean Engineering (Q1, rank 11, percentile 90)
? Mechanical Engineering (Q1, rank 88, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 135, percentile 86)
? Source Id: 17277
? Author Ids: 7007035725
? Authoraffiliationids: 60000251-60025153
? Corresponding: Trucco A.
135.
? Title: Detection of objects buried in the seafloor by a pattern-recognition approach
? Venue: IEEE Journal of Oceanic Engineering
? Year: 2001
? Type: Journal
? Subtype: Article
? Citations: 29
? Doi: 10.1109/48.972118
? Scopus ID: 2-s2.0-0035493126
? Issn: 03649059
? Volume: 26
? Issue: 4
? Pages: 769-782
? Authors: Trucco Andrea
? Keywords: Acoustic detection | Buried objects | Feature extraction | Pattern recognition | Sonar systems
? Quartile:
2025:
? Ocean Engineering (Q1, rank 11, percentile 90)
? Mechanical Engineering (Q1, rank 88, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 135, percentile 86)
? Source Id: 17277
? Author Ids: 7007035725
? Authoraffiliationids: 60000251-60025153
? Corresponding: Trucco A.
136.
? Title: Synthesis of unequally spaced arrays with asymmetric beam patterns
? Venue: Journal of Computational Acoustics
? Year: 2001

? Type: Journal
? Subtype: Article
? Citations: 0
? Doi: 10.1142/S0218396x01001303
? Scopus ID: 2-s2.0-0035638321
? Issn: 0218396x
? Volume: 9
? Issue: 3
? Pages: 789-803
? Authors: Trucco Andrea; Murino Vittorio
? Source Id: 13189
? Author Ids: 7007035725;7006595496
? Authoraffiliationids: 60025153;60032256
? Corresponding: Trucco A.

137.

? Title: Acoustic detection of objects buried in the seafloor
? Venue: Electronics Letters
? Year: 2000
? Type: Journal
? Subtype: Article
? Citations: 5
? DOI: 10.1049/el:20001065
? Scopus ID: 2-s2.0-0034247134
? Issn: 00135194
? Volume: 36
? Issue: 18
? Pages: 1595-1596
? Authors: Trucco A.; Pescetto A.
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 624, percentile 37)
? Source Id: 24918
? Author Ids: 7007035725;6506761928
? Authoraffiliationids: 60025153;60025153
? Corresponding: Trucco A.

138.

? Title: Synthesizing asymmetric beam patterns
? Venue: IEEE Journal of Oceanic Engineering
? Year: 2000
? Type: Journal
? Subtype: Article
? Citations: 27
? Doi: 10.1109/48.855383
? Scopus ID: 2-s2.0-0034226748
? Issn: 03649059
? Volume: 25
? Issue: 3
? Pages: 347-350
? Authors: Trucco Andrea
? Quartile:
2025:
? Ocean Engineering (Q1, rank 11, percentile 90)
? Mechanical Engineering (Q1, rank 88, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 135, percentile 86)

? Source Id: 17277

? Author Ids: 7007035725

? Authoraffiliationids: 60025153

? Corresponding: Trucco A.

139.

? Title: Aperture and element minimization in linear sparse arrays with desired beam patterns

? Venue: Ultrasonics

? Year: 2000

? Type: Journal

? Subtype: Article

? Citations: 7

? Doi: 10.1016/S0041-624x(99)00089-X

? Scopus ID: 2-s2.0-0033885890

? Issn: 0041624x

? Volume: 38

? Issue: 1

? Pages: 161-165

? Authors: Trucco Andrea

? Quartile:

2025:

? Acoustics and Ultrasonics (Q1, rank 5, percentile 91)

? Source Id: 13516

? Author Ids: 7007035725

? Authoraffiliationids: 60025153

? Corresponding: Trucco A.

140.

? Title: Camera to record underwater particles using simultaneous in-line and off-axis holography and its associated replay facility

? Venue: Conference on Lasers and Electro Optics Europe Technical Digest

? Year: 2000

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Scopus ID: 2-s2.0-0033714163

? Pages: 329

? Authors: Hobson P. R.; Chalvidan V.; Craig G.; Foresti G. L.; Gentili S.; Lampitt R.

S.; Lucas-Leclin B.; Nareid H.; Nebrensky J. J.; Pescetto A.; Pieroni G. G.; Player M.

A.; Serpico S.; Tipping K.; Trucco A.; Watson J.

? Source Id: 60644

? Author Ids: 35778258500;6506314805;7101867237;7006427233;7004229097;7004317264;650665
2411;6602567713;6602213411;6506761928;35584434700;23002014900;7005306316;7801508249;700
7035725;35396124700

? Authoraffiliationids: 60020623;60020623;60020623;60020623;60020623;60020623;60020623;
60020623;60020623;60020623;60020623;60020623;60020623;60020623;60020623

? Corresponding: Hobson P.

141.

? Title: Data extraction system for underwater particle holography

? Venue: Proceedings of SPIE the International Society for Optical Engineering

? Year: 2000

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 5

? Scopus ID: 2-s2.0-0033712635

- ? Issn: 0277786x
? Volume: 4076
? Pages: 120-129
? Authors: Nebrensky J. J.; Craig G.; Hobson P. R.; Lampitt R. S.; Nareid H.; Pescetto A.; Trucco A.; Watson J.
? Quartile:
2025:
? Instrumentation (Q4, rank 157, percentile 16)
? Electrical and Electronic Engineering (Q4, rank 873, percentile 12)
? Computer Science Applications (Q4, rank 893, percentile 9)
? Applied Mathematics (Q4, rank 625, percentile 6)
? Electronic, Optical and Magnetic Materials (Q4, rank 294, percentile 5)
? Condensed Matter Physics (Q4, rank 425, percentile 4)
? Source Id: 40067
? Author Ids: 6602213411;7101867237;35778258500;7004317264;6602567713;6506761928;7007035725;35396124700
? Authoraffiliationids:
60020623;60020623;60020623;60020623;60020623;60020623;60020623;60020623
? Corresponding: Nebrensky J.
142.
? Title: Three-dimensional image generation processing in underwater acoustic vision
? Venue: Proceedings of the IEEE
? Year: 2000
? Type: Journal
? Subtype: Article
? Citations: 201
? Doi: 10.1109/5.899059
? Scopus ID: 2-s2.0-0001731180
? Issn: 00189219
? Volume: 88
? Issue: 12
? Pages: 1903-1946
? Authors: Murino Vittorio; Trucco Andrea
? Keywords: Acoustic vision | Array signal processing | Biomedical acoustic imaging | Image analysis | Image processing | Image reconstruction | Image segmentation | Object recognition | Pattern recognition | Undemater technology | Underwater acoustic imaging
? Quartile:
2025:
? Electrical and Electronic Engineering (Q1, rank 3, percentile 99)
? Computer Science (all) (Q1, rank 2, percentile 99)
? Source Id: 17915
? Author Ids: 7006595496;7007035725
? Authoraffiliationids: 60032256;60025153
? Corresponding: Murino V.
143.
? Title: Segmentation of underwater 3D acoustical images for augmented and virtual reality applications
? Venue: Oceans Conference Record IEEE
? Year: 1999
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 7
? Scopus ID: 2-s2.0-0033350546
? Issn: 01977385

? Volume: 1
? Pages: 459-465
? Authors: Giannitrapani Riccardo; Trucco Andrea; Murino Vittorio
? Quartile:
2025:
? Ocean Engineering (Q3, rank 84, percentile 28)
? Oceanography (Q4, rank 117, percentile 23)
? Source Id: 13654
? Author Ids: 6603048859;7007035725;7006595496
? Authoraffiliationids: 60025965;60025965;60025965
? Corresponding: Giannitrapani R.

144.
? Title: Buried object detection by auto-regressive pre-whitening
? Venue: Oceans Conference Record IEEE
? Year: 1999
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Scopus ID: 2-s2.0-0033313870
? Issn: 01977385
? Volume: 1
? Pages: 126-132
? Authors: Trucco Andrea; Di Serio Stefano; Murino Vittorio
? Quartile:
2025:
? Ocean Engineering (Q3, rank 84, percentile 28)
? Oceanography (Q4, rank 117, percentile 23)
? Source Id: 13654
? Author Ids: 7007035725;57498939700;7006595496
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Trucco A.

145.
? Title: Probabilistic reconstruction of underwater 3D acoustic maps
? Venue: Acustica
? Year: 1999
? Type: Journal
? Subtype: Article
? Citations: 0
? Scopus ID: 2-s2.0-0033279790
? Issn: 00017884
? Volume: 85
? Issue: 2
? Pages: 197-202
? Authors: Trucco Andrea
? Source Id: 110306
? Author Ids: 7007035725
? Authoraffiliationids: 60025153
? Corresponding: Trucco A.

146.
? Title: A confidence-based approach to enhancing underwater acoustic image formation
? Venue: IEEE Transactions on Image Processing
? Year: 1999
? Type: Journal
? Subtype: Article

? Citations: 21
? Doi: 10.1109/83.743860
? Scopus ID: 2-s2.0-0033078070
? Issn: 10577149
? Volume: 8
? Issue: 2
? Pages: 270-285
? Authors: Murino Vittorio; Trucco Andrea
? Keywords: Acoustic imaging | Image enhancement | Image generation | Underwater acoustics
? Quartile:
2025:
? Computer Graphics and Computer-Aided Design (Q1, rank 3, percentile 98)
? Software (Q1, rank 15, percentile 97)
? Source Id: 25534
? Author Ids: 7006595496;7007035725
? Authoraffiliationids: 60000251-60032256;60000251-60025153
? Corresponding: Murino V.

147.
? Title: Stochastic optimization of linear sparse arrays
? Venue: IEEE Journal of Oceanic Engineering
? Year: 1999
? Type: Journal
? Subtype: Article
? Citations: 172
? Doi: 10.1109/48.775291
? Scopus ID: 2-s2.0-0032688009
? Issn: 03649059
? Volume: 24
? Issue: 3
? Pages: 291-298
? Authors: Trucco Andrea; Murino Vittorio
? Quartile:
2025:
? Ocean Engineering (Q1, rank 11, percentile 90)
? Mechanical Engineering (Q1, rank 88, percentile 88)
? Electrical and Electronic Engineering (Q1, rank 135, percentile 86)
? Source Id: 17277
? Author Ids: 7007035725;7006595496
? Authoraffiliationids: 60025153;60032256
? Corresponding: Trucco A.

148.
? Title: Thinning and weighting of large planar arrays by simulated annealing
? Venue: IEEE Transactions on Ultrasonics Ferroelectrics and Frequency Control
? Year: 1999
? Type: Journal
? Subtype: Article
? Citations: 210
? Doi: 10.1109/58.753023
? Scopus ID: 2-s2.0-0033100608
? Issn: 08853010
? Volume: 46
? Issue: 2
? Pages: 347-355

? Authors: Trucco Andrea
? Quartile:
2025:
? Acoustics and Ultrasonics (Q1, rank 4, percentile 93)
? Instrumentation (Q1, rank 20, percentile 89)
? Electrical and Electronic Engineering (Q1, rank 138, percentile 86)
? Source Id: 12998
? Author Ids: 7007035725
? Authoraffiliationids: 60025153
? Corresponding: Trucco A.

149.
? Title: A geometrical approach to the surface-fitting problem in underwater three-dimensional acoustic images
? Venue: Measurement Science and Technology
? Year: 1999
? Type: Journal
? Subtype: Article
? Citations: 4
? Doi: 10.1088/0957-0233/10/12/304
? Scopus ID: 2-s2.0-0033502786
? Issn: 09570233
? Volume: 10
? Issue: 12
? Pages: 1135-1141
? Authors: Murino Vittorio; Trucco Andrea
? Keywords: Geometrical approaches | Surface fitting | Three-dimensional acoustic imaging | Underwater vision
? Quartile:

2025:
? Applied Mathematics (Q1, rank 109, percentile 83)
? Instrumentation (Q2, rank 48, percentile 74)
? Engineering (miscellaneous) (Q2, rank 81, percentile 71)
? Source Id: 15526
? Author Ids: 7006595496;7007035725
? Authoraffiliationids: 60032256;60025153
? Corresponding: Murino V.

150.
? Title: Sonic imaging in air by a low-cost system
? Venue: Acoustics Letters
? Year: 1998
? Type: Journal
? Subtype: Article
? Citations: 0
? Scopus ID: 2-s2.0-1842739271
? Issn: 01401599
? Volume: 21
? Issue: 5
? Pages: 88-91
? Authors: Trucco Andrea
? Source Id: 12939
? Author Ids: 7007035725
? Authoraffiliationids: 60025153
? Corresponding: Trucco A.

151.

? Title: Statistical and neural techniques to buried object detection and classification
? Venue: Oceans Conference Record IEEE
? Year: 1998
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 3
? Scopus ID: 2-s2.0-0032256918
? Issn: 01977385
? Volume: 3
? Pages: 1269-1273
? Authors: Granara M.; Pescetto A.; Repetto F.; Tacconi G.; Trucco A.
? Quartile:
2025:
? Ocean Engineering (Q3, rank 84, percentile 28)
? Oceanography (Q4, rank 117, percentile 23)
? Source Id: 13654
? Author Ids: 6508116928;6506761928;7003510422;7003915727;7007035725
? Authoraffiliationids: 100854094;100854094;100854094;100854094;100854094
? Corresponding: Granara M.

152.

? Title: A probabilistic approach to the coupled reconstruction and restoration of underwater acoustic images
? Venue: IEEE Transactions on Pattern Analysis and Machine Intelligence
? Year: 1998
? Type: Journal
? Subtype: Article
? Citations: 33
? Doi: 10.1109/34.655646
? Scopus ID: 2-s2.0-0031648527
? Issn: 01628828
? Volume: 20
? Issue: 1
? Pages: 9-22
? Authors: Murino Vittorio; Trucco Andrea; Regazzoni Carlo S.
? Keywords: Beamforming | Confidence-based approach | Markov random fields | Physics-based vision | Reconstruction | Restoration | Underwater acoustic imaging
? Quartile:
2025:
? Applied Mathematics (Q1, rank 1, percentile 99)
? Computational Theory and Mathematics (Q1, rank 1, percentile 99)
? Software (Q1, rank 3, percentile 99)
? Artificial Intelligence (Q1, rank 4, percentile 99)
? Computer Vision and Pattern Recognition (Q1, rank 2, percentile 99)
? Source Id: 24254
? Author Ids: 7006595496;7007035725;35513672400
? Authoraffiliationids: 60025965;60025153;60025153
? Corresponding: Murino V.

153.

? Title: Cell location with front-scan sonar systems
? Venue: Acoustics Letters
? Year: 1998
? Type: Journal
? Subtype: Article

? Citations: 3
? Scopus ID: 2-s2.0-0011237612
? Issn: 01401599
? Volume: 21
? Issue: 4
? Pages: 65-68
? Authors: Trucco Andrea; Pedemonte Alessandro; Pescetto Alessandro
? Source Id: 12939
? Author Ids: 7007035725;57508178700;6506761928
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Trucco A.

154.

? Title: Edge/region-based segmentation and reconstruction of underwater acoustic images by Markov random fields
? Venue: Proceedings of the IEEE Computer Society Conference on Computer Vision and Pattern Recognition
? Year: 1998
? Type: Unknown
? Subtype: Conference Paper
? Citations: 6
? Doi: 10.1109/Cvpr.1998.698638
? Scopus ID: 2-s2.0-0032293272
? Issn: 10636919
? Pages: 408-413
? Authors: Murino Vittorio; Trucco Andrea
? Quartile:
2025:
? Computer Vision and Pattern Recognition (Q1, rank 1, percentile 99)
? Software (Q1, rank 2, percentile 99)
? Source Id: 24212
? Author Ids: 7006595496;7007035725
? Authoraffiliationids: 60025965;60025965
? Corresponding: Murino V.

155.

? Title: A least-squares approximation for the delays used in focused beamforming
? Venue: Journal of the Acoustical Society of America
? Year: 1998
? Type: Journal
? Subtype: Article
? Citations: 34
? Doi: 10.1121/1.423286
? Scopus ID: 2-s2.0-0031829751
? Issn: 00014966
? Volume: 104
? Issue: 1
? Pages: 171-175
? Authors: Trucco Andrea
? Quartile:
2025:
? Arts and Humanities (miscellaneous) (Q1, rank 96, percentile 85)
? Acoustics and Ultrasonics (Q2, rank 15, percentile 72)
? Source Id: 12936
? Author Ids: 7007035725
? Authoraffiliationids: 60025153

? Corresponding: Trucco A.

156.

? Title: Iterative model reconstruction for phase unwrapping
? Venue: European Space Agency Special Publication ESA SP
? Year: 1997
? Type: Conference Proceeding
? Subtype: Article
? Citations: 0
? Scopus ID: 2-s2.0-5244238710
? Issn: 03796566
? Issue: 414 Part 3
? Pages: 1707-1710
? Authors: Smits P. C.; Trucco A.; Bo G.; Vernazza G.
? Source Id: 27179
? Author Ids: 7102366572;7007035725;36979606600;7005048304
? Authoraffiliationids: 60025153;60025153;60025153;60032259
? Corresponding: Smits P.

157.

? Title: Synthesis of aperiodic planar arrays by a stochastic approach
? Venue: Oceans Conference Record IEEE
? Year: 1997
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 10
? Scopus ID: 2-s2.0-0031355189
? Issn: 01977385
? Volume: 2
? Pages: 820-825
? Authors: Trucco Andrea
? Quartile:
2025:
? Ocean Engineering (Q3, rank 84, percentile 28)
? Oceanography (Q4, rank 117, percentile 23)
? Source Id: 13654
? Author Ids: 7007035725
? Authoraffiliationids: 60025153
? Corresponding: Trucco A.

158.

? Title: On nonlinear effects of envelope detection in beamforming systems
? Venue: IEEE Transactions on Ultrasonics Ferroelectrics and Frequency Control
? Year: 1997
? Type: Journal
? Subtype: Article
? Citations: 4
? Doi: 10.1109/58.655212
? Scopus ID: 2-s2.0-0031190711
? Issn: 08853010
? Volume: 44
? Issue: 4
? Pages: 948-952
? Authors: Trucco Andrea; Murino Vittorio
? Quartile:
2025:
? Acoustics and Ultrasonics (Q1, rank 4, percentile 93)

- ? Instrumentation (Q1, rank 20, percentile 89)
? Electrical and Electronic Engineering (Q1, rank 138, percentile 86)
? Source Id: 12998
? Author Ids: 7007035725;7006595496
? Authoraffiliationids: 60025153;60025153
? Corresponding: Trucco A.
159.
? Title: Synthesis of sparse planar arrays
? Venue: Electronics Letters
? Year: 1997
? Type: Journal
? Subtype: Article
? Citations: 51
? DOI: 10.1049/el:19971261
? Scopus ID: 2-s2.0-0031245484
? Issn: 00135194
? Volume: 33
? Issue: 22
? Pages: 1834-1835
? Authors: Trucco A.; Omodei E.; Repetto P.
? Keywords: Acoustic imaging | Beamfarming arrays
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 624, percentile 37)
? Source Id: 24918
? Author Ids: 7007035725;6505832316;57225676218
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Trucco A.
160.
? Title: Enlarging the scanning region of a focused beamforming system
? Venue: Electronics Letters
? Year: 1997
? Type: Journal
? Subtype: Article
? Citations: 4
? DOI: 10.1049/el:19970999
? Scopus ID: 2-s2.0-0031199353
? Issn: 00135194
? Volume: 33
? Issue: 17
? Pages: 1502-1504
? Authors: Trucco A.
? Keywords: Acoustic imaging | Beamforming arrays
? Quartile:
2025:
? Electrical and Electronic Engineering (Q3, rank 624, percentile 37)
? Source Id: 24918
? Author Ids: 7007035725
? Authoraffiliationids: 60025153
? Corresponding: Trucco A.
161.
? Title: Object pose estimation in underwater acoustic images
? Venue: IEEE International Conference on Image Processing
? Year: 1997

? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 4
? Scopus ID: 2-s2.0-84961725621
? Volume: 1
? Pages: 873-876
? Authors: Murino Vittorio; Foresti Gian Luca; Trucco Andrea
? Source Id: 92868
? Author Ids: 7006595496;7006427233;7007035725
? Authoraffiliationids: 60025965;60025965;60025965
? Corresponding: Murino V.

162.

? Title: Markov-based methodology for the restoration of underwater acoustic images
? Venue: International Journal of Imaging Systems and Technology
? Year: 1997
? Type: Journal
? Subtype: Article
? Citations: 7
? Doi: 10.1002/(Sici)1098-1098(1997)8:4<386::Aid-Ima5>3.0.Co;2-6
? Scopus ID: 2-s2.0-0030673779
? Issn: 08999457
? Volume: 8
? Issue: 4
? Pages: 386-395
? Authors: Murino Vittorio; Trucco Andrea
? Keywords: Markov random fields | Reconstruction | Restoration | Underwater acoustic imaging
? Quartile:
2025:
? Radiology, Nuclear Medicine and Imaging (Q1, rank 54, percentile 84)
? Computer Vision and Pattern Recognition (Q1, rank 40, percentile 76)
? Computer Science Applications (Q2, rank 274, percentile 72)
? Health Informatics (Q2, rank 46, percentile 72)
? Biomedical Engineering (Q2, rank 121, percentile 63)
? Source Id: 35932
? Author Ids: 7006595496;7007035725
? Authoraffiliationids: 60025965;60025153
? Corresponding: Murino V.

163.

? Title: A voting-based approach for fast object recognition in underwater acoustic images
? Venue: IEEE Journal of Oceanic Engineering
? Year: 1997
? Type: Journal
? Subtype: Article
? Citations: 29
? Doi: 10.1109/48.557540
? Scopus ID: 2-s2.0-0030644992
? Issn: 03649059
? Volume: 22
? Issue: 1
? Pages: 57-65
? Authors: Foresti Gian Luca; Murino Vittorio; Regazzoni Carlo S.; Trucco Andrea
? Keywords: Acoustic imaging | Image line pattern recognition | Object attitude

estimation | Object recognition | Underwater vehicles | Voting methods

? Quartile:

2025:

- ? Ocean Engineering (Q1, rank 11, percentile 90)
- ? Mechanical Engineering (Q1, rank 88, percentile 88)
- ? Electrical and Electronic Engineering (Q1, rank 135, percentile 86)

? Source Id: 17277

? Author Ids: 7006427233;7006595496;35513672400;7007035725

? Authoraffiliationids: 60025965-60025153-60000251;60025965-60025153-60000251;60025153-60000251;60025153-100794112

? Corresponding: Foresti G.

164.

? Title: Beam pattern formulation and analysis for wide-band beamforming systems using sparse arrays

? Venue: Signal Processing

? Year: 1997

? Type: Journal

? Subtype: Article

? Citations: 43

? DOI: 10.1016/s0165-1684(96)00166-1

? Scopus ID: 2-s2.0-0030644108

? Issn: 01651684

? Volume: 56

? Issue: 2

? Pages: 177-183

? Authors: Murino Vittorio; Trucco Andrea; Tesei Alessandra

? Keywords: Acoustic imaging | Sparse arrays | Wide-band beamforming

? Quartile:

2025:

? Signal Processing (Q1, rank 25, percentile 87)

? Computer Vision and Pattern Recognition (Q1, rank 27, percentile 84)

? Electrical and Electronic Engineering (Q1, rank 166, percentile 83)

? Control and Systems Engineering (Q1, rank 71, percentile 81)

? Software (Q1, rank 101, percentile 79)

? Source Id: 25548

? Author Ids: 7006595496;7007035725;55535266800

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Murino V.

165.

? Title: A co-operative approach to feature extraction from acoustic images

? Venue: Applied Signal Processing

? Year: 1996

? Type: Journal

? Subtype: Article

? Citations: 0

? Scopus ID: 2-s2.0-8544224307

? Issn: 09410635

? Volume: 3

? Issue: 3

? Pages: 128-135

? Authors: Murino Vittorio; Trucco Andrea

? Keywords: Acoustic imaging | Echo detection | Feature extraction | Sonar imaging | Underwater vision | Voting methods

? Source Id: 83499

? Author Ids: 7006595496;7007035725
? Authoraffiliationids: 60025965;60025153
? Corresponding: Murino V.

166.

? Title: Spurious effects reduction by the reconstruction of acoustic images from bispectrum
? Venue: IEEE International Conference on Image Processing
? Year: 1996
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-0030394870
? Volume: 3
? Pages: 571-574
? Authors: Trucco Andrea; Ottonello Cinthya; Murino Vittorio
? Source Id: 92868
? Author Ids: 7007035725;56715967000;7006595496
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Trucco A.

167.

? Title: Stochastic approach to optimizing the aperture and the number of elements of an aperiodic array
? Venue: Oceans Conference Record IEEE
? Year: 1996
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 22
? Scopus ID: 2-s2.0-0030386349
? Issn: 01977385
? Volume: 3
? Pages: 1510-1515
? Authors: Trucco Andrea; Repetto Francesco
? Quartile:
2025:
? Ocean Engineering (Q3, rank 84, percentile 28)
? Oceanography (Q4, rank 117, percentile 23)
? Source Id: 13654
? Author Ids: 7007035725;7003510422
? Authoraffiliationids: 60025153;60025153
? Corresponding: Trucco A.

168.

? Title: Synthesis of unequally spaced arrays by simulated annealing
? Venue: IEEE Transactions on Signal Processing
? Year: 1996
? Type: Journal
? Subtype: Article
? Citations: 346
? Doi: 10.1109/78.482017
? Scopus ID: 2-s2.0-0029733612
? Issn: 1053587x
? Volume: 44
? Issue: 1
? Pages: 119-123
? Authors: Murino Vittorio; Trucco Andrea; Regazzoni Carlo S.

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 79, percentile 92)

? Signal Processing (Q1, rank 18, percentile 91)

? Source Id: 17391

? Author Ids: 7006595496;7007035725;35513672400

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Murino V.

169.

? Title: Significance of envelope detection in underwater acoustic imaging systems

? Venue: Proceedings of the IEEE Symposium on Autonomous Underwater Vehicle Technology

? Year: 1996

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Scopus ID: 2-s2.0-0029701045

? Pages: 179-184

? Authors: Trucco Andrea; Murino Vittorio

? Source Id: 27299

? Author Ids: 7007035725;7006595496

? Authoraffiliationids: 60025153;60025153

? Corresponding: Trucco A.

170.

? Title: Markov random field approach for restoration of underwater acoustic images

? Venue: Oceans Conference Record IEEE

? Year: 1995

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Scopus ID: 2-s2.0-0029546435

? Issn: 01977385

? Volume: 3

? Pages: 1900-1906

? Authors: Murino Vittorio; Frumento Enrico; Gabino Flavio; Trucco Andrea

? Quartile:

2025:

? Ocean Engineering (Q3, rank 84, percentile 28)

? Oceanography (Q4, rank 117, percentile 23)

? Source Id: 13654

? Author Ids: 7006595496;6507550337;6507051858;7007035725

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Murino V.

171.

? Title: Hybrid approach for accurate echo detection in the formation of acoustic images

? Venue: Oceans Conference Record IEEE

? Year: 1995

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Scopus ID: 2-s2.0-0029491579

? Issn: 01977385

? Volume: 3

? Pages: 1877-1882

? Authors: Murino Vittorio; Trucco Andrea
? Quartile:
2025:
? Ocean Engineering (Q3, rank 84, percentile 28)
? Oceanography (Q4, rank 117, percentile 23)
? Source Id: 13654
? Author Ids: 7006595496;7007035725
? Authoraffiliationids: 60025153;60025153
? Corresponding: Murino V.

172.

? Title: A fast object orientation estimation and recognition technique for underwater acoustic imaging
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics
? Year: 1995
? Type: Book Series
? Subtype: Conference Paper
? Citations: 0
? Doi: 10.1007/3-540-60298-4_337
? Scopus ID: 2-s2.0-84947748158
? Issn: 03029743
? eISSN: 16113349
? Volume: 974
? Pages: 715-720
? Authors: Tesei Alessandra; Trucco Andrea; Zambonini Daniele
? Quartile:
2025:
? Theoretical Computer Science (Q3, rank 70, percentile 48)
? Computer Science (all) (Q3, rank 129, percentile 46)
? Source Id: 25674
? Author Ids: 55535266800;7007035725;56971398300
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Tesei A.

173.

? Title: Underwater 3D imaging by FFT dynamic focusing beamforming
? Venue: Proceedings International Conference on Image Processing Icip
? Year: 1994
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 23
? Doi: 10.1109/Icip.1994.413242
? Scopus ID: 2-s2.0-84996523402
? Issn: 15224880
? Volume: 1
? Pages: 890-894
? Authors: Murino V.; Trucco A.
? Quartile:
2025:
? Computer Vision and Pattern Recognition (Q2, rank 64, percentile 62)
? Signal Processing (Q2, rank 78, percentile 60)
? Software (Q2, rank 247, percentile 50)
? Source Id: 144684
? Author Ids: 7006595496;7007035725
? Authoraffiliationids: 60025153;60025153

? Corresponding: Murino V.

174.

? Title: Acoustic image improvement by confidence levels
? Venue: Proceedings of the IEEE Ultrasonics Symposium
? Year: 1994
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 6
? DOI: 10.1109/ultsym.1994.401844
? Scopus ID: 2-s2.0-0028751391
? Issn: 10510117
? Volume: 3
? Pages: 1367-1370
? Authors: Murino Vittorio; Trucco Andrea
? Source Id: 101599
? Author Ids: 7006595496;7007035725
? Authoraffiliationids: 60025153;60025153
? Corresponding: Murino V.

175.

? Title: A Noncoherent Correlation Technique and Focused Beamforming for Ultrasonic Underwater Imaging: A Comparative Analysis
? Venue: IEEE Transactions on Ultrasonics Ferroelectrics and Frequency Control
? Year: 1994
? Type: Journal
? Subtype: Article
? Citations: 27
? Doi: 10.1109/58.308497
? Scopus ID: 2-s2.0-0028501058
? Issn: 08853010
? Volume: 41
? Issue: 5
? Pages: 621-630
? Authors: Murino Vittorio; Regazzoni Carlo S.; Trucco Andrea; Vernazza Gianni
? Quartile:
2025:
? Acoustics and Ultrasonics (Q1, rank 4, percentile 93)
? Instrumentation (Q1, rank 20, percentile 89)
? Electrical and Electronic Engineering (Q1, rank 138, percentile 86)
? Source Id: 12998
? Author Ids: 7006595496;35513672400;7007035725;7005048304
? Authoraffiliationids: 60025153;60025153;60025153;60025153
? Corresponding: Murino V.