

## MOSER GABRIELE

### Overview

? Unit: ICT  
? Role: Professore ordinario  
? Grade: Prof.Ordinario Legge 240/10 - t.pieno - classe 2  
? SSD: IINF-03/A (Telecomunicazioni)  
? Scopus ID: 7101795745  
? Unige Id: 700567  
? Retrieved at: 2025-11-14T15:17:43.314325

### Contact

? Email: gabriele.moser@unige.it  
? Phone: +39 019 219 45135  
? Website: <http://spt.dibe.unige.it/IPRS/gabriele.html>  
? Page: <https://rubrica.unige.it/personale/UkNHXlXu>  
? Locations: Opera Pia - padiglione C (Ex CNR) (ED161450501), 1° piano, US161450501.I.014;  
Campus di Savona - palazzina Delfino (ED171000105), 1° piano, US171000105.I.047

### Career

? Ru, 2012-05-01 ? 2014-11-30  
? Pa, 2014-12-01 ? 2020-10-31  
? Po, 2020-11-01 ? 2222-02-02

### Responsibilities

? Title: Componente di Comitato tecnico-scientifico di centro strategico di Ateneo  
? Unit: Centro sicurezza, rischio e vulnerabilit^  
? Period: 2023-03-16 ? 2025-12-31  
  
? Title: Membro della Giunta di dipartimento  
? Unit: Dipartimento di ingegneria navale, elettrica, elettronica e delle telecomunicazioni - DITEN  
? Period: 2024-11-01 ? 2027-10-31  
  
? Title: Componente del Consiglio della Scuola  
? Unit: Scuola politecnica  
? Period: 2024-11-01 ? 2027-10-31

### Teaching

#### 2025

? Fundamentals Of Telecommunications And Signal Processing (114623), L-8 - Ingegneria Informatica  
? Fundamentals Of Telecommunications And Signal Processing (114623), L-8 - Ingegneria Informatica  
? Remote Sensing (80048), Lm-30 - Energy Engineering  
? Remote Sensing (80048), Lm-30 - Energy Engineering  
? Remote Sensing And Satellite Images (104827), Lm-27 - Internet And Multimedia Engineering  
? Remote Sensing (94666), Lm-26 - Engineering For Natural Risk Management  
? Internet, Cybersecurity E Machine Learning Nel Settore Energetico (108848), L-9 - Ingegneria Dell'Energia

#### 2024

? Comunicazioni Elettriche (65959), L-8 - Ingegneria Informatica

- ? Remote Sensing (80048), Lm-30 - Energy Engineering
- ? Remote Sensing (80048), Lm-30 - Energy Engineering
- ? Remote Sensing And Satellite Images (104827), Lm-27 - Internet And Multimedia Engineering
- ? Remote Sensing And Satellite Images (104827), Lm-27 - Internet And Multimedia Engineering
- ? Remote Sensing Of Natural Disasters (94666), Lm-26 - Engineering For Natural Risk Management
- ? Remote Sensing Of Natural Disasters (94666), Lm-26 - Engineering For Natural Risk Management
- ? Internet, Cybersecurity E Machine Learning Nel Settore Energetico (108848), L-9 - Ingegneria Dell'Energia

## 2023

- ? Elaborazione Digitale Delle Immagini Storico-Artistiche (Lm) (52644), Lm-89 - Storia Dell'Arte E Valorizzaz. Patrimonio Artistico
- ? Comunicazioni Elettriche (65959), L-8 - Ingegneria Informatica
- ? Remote Sensing (80048), Lm-30 - Energy Engineering
- ? Remote Sensing And Satellite Images (104827), Lm-27 - Internet And Multimedia Engineering
- ? Master Thesis (94673), Lm-26 - Engineering For Natural Risk Management
- ? Remote Sensing Of Natural Disasters (94666), Lm-26 - Engineering For Natural Risk Management
- ? Tecnologie Di Reti E Segnali Per L'Ambito Industriale E Per Industria 4.0 (101492), L-9 - Ingegneria Meccanica - Energia E Produzione

## 2022

- ? Comunicazioni Elettriche (65959), L-8 - Ingegneria Informatica
- ? Remote Sensing (80048), Lm-30 - Energy Engineering
- ? Remote Sensing And Satellite Images (104827), Lm-27 - Internet And Multimedia Engineering
- ? Master Thesis (94673), Lm-26 - Engineering For Natural Risk Management
- ? Remote Sensing Of Natural Disasters (94666), Lm-26 - Engineering For Natural Risk Management
- ? Tecnologie Di Reti E Segnali Per L'Ambito Industriale E Per Industria 4.0 (101492), L-9 - Ingegneria Meccanica - Energia E Produzione

## 2021

- ? Comunicazioni Elettriche (65959), L-8 - Ingegneria Informatica
- ? Remote Sensing (80048), Lm-30 - Energy Engineering
- ? Remote Sensing And Satellite Images (104827), Lm-27 - Internet And Multimedia Engineering
- ? Remote Sensing Of Natural Disasters (94666), Lm-26 - Engineering For Natural Risk Management
- ? Master Thesis (94673), Lm-26 - Engineering For Natural Risk Management
- ? Tecnologie Di Reti E Segnali Per L'Ambito Industriale E Per Industria 4.0 (101492), L-9 - Ingegneria Meccanica - Energia E Produzione

## 2020

- ? Comunicazioni Elettriche (65959), L-8 - Ingegneria Informatica
- ? Remote Sensing (80048), Lm-30 - Energy Engineering
- ? Satellite Images (90568), Lm-27 - Internet And Multimedia Engineering
- ? Remote Sensing Of Natural Disasters (94666), Lm-26 - Engineering For Natural Risk Management

? Tecnologie Di Reti E Segnali Per L'Ambito Industriale E Per Industria 4.0 (101492), L-9  
- Ingegneria Meccanica - Energia E Produzione

#### Scopus Metrics

? absolute; Docs: 215; Journals: 78; Conferences: 119; Citations: 5755; H-index: 38  
? 15 years (2010-2025); Docs: 161; Journals: 66; Conferences: 83; Citations: 3871;  
H-index: 30  
? 10 years (2015-2025); Docs: 114; Journals: 49; Conferences: 54; Citations: 2622;  
H-index: 24  
? 05 years (2020-2025); Docs: 50; Journals: 19; Conferences: 27; Citations: 550; H-index:  
10

#### Scopus Products

1.
  - ? Title: Multisource methodology for traffic analysis zone definition based on the fusion of Remote Sensing, OpenStreetMap, and Floating Car Data
  - ? Venue: Journal of Transport Geography
  - ? Year: 2025
  - ? Type: Journal
  - ? Subtype: Article
  - ? Citations: 0
  - ? DOI: 10.1016/j.jtrangeo.2025.104324
  - ? Scopus ID: 2-s2.0-105008195264
  - ? Issn: 09666923
  - ? Volume: 128
  - ? Authors: Castiglione Marisdea; Gallo Federico; Pastorino Martina; Moser Gabriele; Nigro Marialisa; Sacco Nicola
  - ? Keywords: Floating Car Data (FCD) | OpenStreetMap | Satellite images | Spatial clustering | Traffic analysis zones
  - ? Quartile:  
2025:
    - ? Geography, Planning and Development (Q1, rank 53, percentile 93)
    - ? Environmental Science (all) (Q1, rank 30, percentile 87)
    - ? Transportation (Q1, rank 30, percentile 81)
  - ? Source Id: 29295
  - ? Author Ids: 57435152800;57219260268;57222463026;7101795745;36158289300;35615294600
  - ? Authoraffiliationids: 60012630;60025153;60025153;60025153;60012630;60025153
  - ? Corresponding: Castiglione M.
2.
  - ? Title: A Gaussian Process Regression Method to Nowcast Cloud-To-Ground Lightning from Remote Sensing and Numerical Weather Modeling Data
  - ? Venue: IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing
  - ? Year: 2025
  - ? Type: Journal
  - ? Subtype: Article
  - ? Citations: 10
  - ? Doi: 10.1109/Jstars.2024.3501976
  - ? Scopus ID: 2-s2.0-86000377434
  - ? Issn: 19391404
  - ? eISSN: 21511535
  - ? Volume: 18
  - ? Pages: 1963-1981
  - ? Authors: La Fata Alice; Moser Gabriele; Procopio Renato; Bernardi Marina; Fiori

Elisabetta

? Keywords: Gaussian process regression | Lightning | nowcasting | numerical weather prediction | satellite infrared imagery | satellite precipitation radar

? Quartile:

2025:

? Atmospheric Science (Q1, rank 19, percentile 87)

? Computers in Earth Sciences (Q1, rank 11, percentile 86)

? Source Id: 17700155033

? Author Ids: 57434749400;7101795745;7801615894;56269310700;35229110700

? Authoraffiliationids: 60025153;60025153;60025153;60083358;60081917

? Corresponding: La Fata A.

3.

? Title: Manifold Learning and Deep Generative Networks for Heterogeneous Change Detection From Hyperspectral and Synthetic Aperture Radar Images

? Venue: IEEE Geoscience and Remote Sensing Letters

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 2

? Doi: 10.1109/Lgrs.2024.3496567

? Scopus ID: 2-s2.0-86000373689

? Issn: 1545598x

? eISSN: 15580571

? Volume: 22

? Authors: Masari Ignacio; Moser Gabriele; Serpico Sebastiano B.

? Keywords: Deep learning | dimensionality reduction | heterogeneous change detection (CD) | hyperspectral images (HSIs) | image-to-image translation | manifold learning | synthetic aperture radar (SAR)

? Quartile:

2025:

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

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

? Source Id: 17259

? Author Ids: 58736406900;7101795745;7005306316

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Masari I.

4.

? Title: Probabilistic Fusion Framework Combining CNNs and Graphical Models for Multiresolution Satellite and UAV Image Classification

? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics

? Year: 2025

? Type: Book Series

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1007/978-3-031-78166-7\_19

? Scopus ID: 2-s2.0-85211914595

? Issn: 03029743

? eISSN: 16113349

? Volume: 15302 Lncs

? Pages: 287-303

? Authors: Pastorino Martina; Moser Gabriele; Guerra Fabien; Serpico Sebastiano B.; Zerubia Josiane

? Keywords: deep learning | graphical models | multiresolution imagery | probabilistic

fusion | semantic segmentation | UAVs | wildfires

? Quartile:

2025:

? Theoretical Computer Science (Q3, rank 70, percentile 48)

? Computer Science (all) (Q3, rank 129, percentile 46)

? Source Id: 25674

? Author Ids: 57222463026;7101795745;59342817500;7005306316;56211628500

? Authoraffiliationids: 60025153-60032385;60025153;60102127;60025153;60032385

? Corresponding: Pastorino M.

5.

? Title: Deep Diffusion Models and Unsupervised Hyperspectral Unmixing for Realistic Abundance Map Synthesis

? Venue: IEEE Computer Society Conference on Computer Vision and Pattern Recognition Workshops

? Year: 2025

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Cvprw67362.2025.00286

? Scopus ID: 2-s2.0-105017851383

? Issn: 21607508

? eISSN: 21607516

? Pages: 3029-3037

? Authors: Pastorino Martina; Alibani Michael; Acito Nicola; Moser Gabriele

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 54, percentile 94)

? Computer Vision and Pattern Recognition (Q1, rank 13, percentile 92)

? Source Id: 20100195041

? Author Ids: 57222463026;57206664240;8390872300;7101795745

? Authoraffiliationids: 60025153;60028868;60028868;60025153

? Corresponding: Pastorino M.

6.

? Title: Investigating the Potential of Deep Learning Approaches in the Reconstruction of VNIR-SWIR Hyperspectral Data From Multispectral Imagery

? Venue: IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 1

? Doi: 10.1109/Jstars.2025.3575518

? Scopus ID: 2-s2.0-105007297563

? Issn: 19391404

? eISSN: 21511535

? Volume: 18

? Pages: 14215-14227

? Authors: Alibani Michael; Pastorino Martina; Moser Gabriele; Acito Nicola

? Keywords: Deep learning (DL) | hyperspectral (HS) data | spectral reconstruction (SR)

? Quartile:

2025:

? Atmospheric Science (Q1, rank 19, percentile 87)

? Computers in Earth Sciences (Q1, rank 11, percentile 86)

? Source Id: 17700155033

? Author Ids: 57206664240;57222463026;7101795745;8390872300  
? Authoraffiliationids: 60028868;60025153;60025153;60028868  
? Corresponding: Alibani M.

7.  
? Title: Multiresolution Fusion and Classification of Hyperspectral and Panchromatic Remote Sensing Images  
? Venue: Proceedings 2025 IEEE Cvf Winter Conference on Applications of Computer Vision Workshops Wacvw 2025  
? Year: 2025  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Wacvw65960.2025.00062  
? Scopus ID: 2-s2.0-105005026374  
? Pages: 507-516  
? Authors: Pastorino Martina; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: classification | crf | fcn | hyperspectral imagery | multiresolution fusion  
? Source Id: 21101295029  
? Author Ids: 57222463026;7101795745;7005306316;56211628500  
? Authoraffiliationids: 60025153;60025153;60025153;60110693  
? Corresponding: Pastorino M.

8.  
? Title: Cloud-to-Ground Lightning Nowcasting from Remote Sensing and Numerical Weather Prediction Modeling Data  
? Venue: Iclp 2024 37th International Conference on Lightning Protection  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? Scopus ID: 2-s2.0-85215660036  
? Pages: 943-949  
? Authors: La Fata Alice; Moser Gabriele; Procopio Renato; Bernardi Marina; Fiori Elisabetta; Lagasio Martina  
? Source Id: 21101270624  
? Author Ids: 57434749400;7101795745;7801615894;56269310700;35229110700;57193136041  
? Authoraffiliationids: 60025153;60025153;60025153;60083358;60081917;112224719  
? Corresponding: La Fata A.

9.  
? Title: Investigating The Dependency Between Sentinel-2 Multispectral Images And Ground-Based Field Measurements Of Soil Moisture In Mendatica, Liguria, Italy  
? Venue: Trends in Earth Observation  
? Year: 2024  
? Type: Book Series  
? Subtype: Article  
? Citations: 0  
? Scopus ID: 2-s2.0-85213322384  
? Issn: 26127148  
? eISSN: 26127911  
? Volume: 3  
? Pages: 42-45  
? Authors: Iacopino A.; Gachpaz S.; Boni G.; Bovolenta R.; Moser G.; Federici B.  
? Keywords: Dependency analysis | Machine learning | Multispectral images | Sentinel-2 | Surface Soil Moisture  
? Quartile:

2025:

- ? Electrical and Electronic Engineering (Q4, rank 919, percentile 7)
- ? Earth and Planetary Sciences (miscellaneous) (Q4, rank 178, percentile 5)
- ? Control and Systems Engineering (Q4, rank 370, percentile 3)

2024:

- ? Electrical and Electronic Engineering (Q4, rank 899, percentile 7)
- ? Earth and Planetary Sciences (miscellaneous) (Q4, rank 171, percentile 4)
- ? Control and Systems Engineering (Q4, rank 360, percentile 4)

? Source Id: 21101155401

? Author Ids: 57219387324;57214365070;7004208139;6506477311;7101795745;7006862054

? Authoraffiliationids: 60025153;60025153-60032350;60025153;60025153;60025153;60025153

? Corresponding: Iacopino A.

10.

? Title: A Deep Learning Architecture for Unsupervised Feature Extraction from Multimission SAR Time Series

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Igarss53475.2024.10642220

? Scopus ID: 2-s2.0-85208506096

? Pages: 8383-8387

? Authors: Masari Ignacio; Maggiolo Luca; Moser Gabriele; Serpico Sebastiano B.

? Keywords: deep learning | SAR image time series | unsupervised feature extraction

? Source Id: 82000

? Author Ids: 58736406900;57207878137;7101795745;7005306316

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Masari I.

11.

? Title: Remote Sensing Contributions to Water-Related Risk Management within "Return", the Italian National Program on Environmental Risks in the Next Generation EU Framework

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2024

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Igarss53475.2024.10642881

? Scopus ID: 2-s2.0-85208501960

? Pages: 3744-3748

? Authors: Rajabi Roozbeh; Besio Giovanni; Boni Giorgio; Cauteruccio Arianna; Cremonese Edoardo; Gnecco Ilaria; Moser Gabriele; Serpico Sebastiano B.; Trotter Luca

? Keywords: coastal flooding | drought risk | environmental and climate change | flood risk | Remote sensing

? Source Id: 82000

? Author Ids: 35424383300;9844111300;7004208139;57216365287;24075493900;8850728400;7101795745;7005306316;57886094900

? Authoraffiliationids:

60025153;60025153;60025153;60025153;112224719;60025153;60025153;60025153;112224719

? Corresponding: Rajabi R.

12.

? Title: A Multiresolution Fusion Framework based on Probabilistic Graphical Modeling for Burnt Zones Mapping from Satellite and UAV Imagery

? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Igarss53475.2024.10641389  
? Scopus ID: 2-s2.0-85204874432  
? Pages: 7919-7923  
? Authors: Pastorino Martina; Moser Gabriele; Guerra Fabien; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: fires | probabilistic fusion | satellite images | Semantic segmentation | UAV  
? Source Id: 82000  
? Author Ids: 57222463026;7101795745;59342817500;7005306316;56211628500  
? Authoraffiliationids: 60025153-60032385;60025153;60102127;60025153;60032385  
? Corresponding: Pastorino M.

13.

? Title: CRFNet: A Deep Convolutional Network to Learn the Potentials of a CRF for the Semantic Segmentation of Remote Sensing Images  
? Venue: IEEE Transactions on Geoscience and Remote Sensing  
? Year: 2024  
? Type: Journal  
? Subtype: Article  
? Citations: 8  
? Doi: 10.1109/Tgrs.2024.3452631  
? Scopus ID: 2-s2.0-85202774976  
? Issn: 01962892  
? eISSN: 15580644  
? Volume: 62  
? Authors: Pastorino Martina; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: Conditional random fields (CRFs) | convolutional neural network (CNN) | fully convolutional network (FCN) | remote sensing | semantic segmentation  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)  
2024:  
? Earth and Planetary Sciences (all) (Q1, rank 7, percentile 96)  
? Electrical and Electronic Engineering (Q1, rank 48, percentile 95)  
? Source Id: 17360  
? Author Ids: 57222463026;7101795745;7005306316;56211628500  
? Authoraffiliationids: 60025153-60032385;60025153;60025153;60032385  
? Corresponding: Pastorino M.

14.

? Title: Multimission, Multifrequency, and Multiresolution SAR Image Classification Through Hierarchical Markov Models and Convolutional Networks  
? Venue: IEEE Geoscience and Remote Sensing Letters  
? Year: 2024  
? Type: Journal  
? Subtype: Article  
? Citations: 2  
? Doi: 10.1109/Lgrs.2024.3414284  
? Scopus ID: 2-s2.0-85196080332  
? Issn: 1545598x



? eISSN: 15580571  
? Volume: 21  
? Authors: Pastorino Martina; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: Classification | CNN | fully convolutional network (FCN) | Markov random field (MRF) | multifrequency | multimission | multiresolution | probabilistic graphical model (PGM) | synthetic aperture radar (SAR) imagery  
? Quartile:  
2025:  
? Geotechnical Engineering and Engineering Geology (Q1, rank 22, percentile 91)  
? Electrical and Electronic Engineering (Q1, rank 90, percentile 91)  
2024:  
? Geotechnical Engineering and Engineering Geology (Q1, rank 27, percentile 88)  
? Electrical and Electronic Engineering (Q1, rank 129, percentile 86)  
? Source Id: 17259  
? Author Ids: 57222463026;7101795745;7005306316;56211628500  
? Authoraffiliationids: 60025153-60032385;60025153;60025153;60032385  
? Corresponding: Pastorino M.

15.

? Title: Heterogeneous change detection with PRISMA and COSMO-SkyMed Second Generation imagery for natural disaster management  
? Venue: Proceedings of the European Conference on Synthetic Aperture Radar Eusar  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Scopus ID: 2-s2.0-85193961443  
? Issn: 21974403  
? Pages: 1271-1275  
? Authors: Masari Ignacio; Moser Gabriele; Serpico Sebastiano B.  
? Quartile:  
2025:  
? Instrumentation (Q3, rank 138, percentile 26)  
? Signal Processing (Q4, rank 156, percentile 20)  
2024:  
? Instrumentation (Q4, rank 135, percentile 22)  
? Signal Processing (Q4, rank 146, percentile 20)  
? Source Id: 21100814501  
? Author Ids: 58736406900;7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Masari I.

16.

? Title: Code-Aligned Autoencoders for Unsupervised Change Detection in Multimodal Remote Sensing Images  
? Venue: IEEE Transactions on Neural Networks and Learning Systems  
? Year: 2024  
? Type: Journal  
? Subtype: Article  
? Citations: 98  
? Doi: 10.1109/Tnnls.2022.3172183  
? Scopus ID: 2-s2.0-85132518302  
? Issn: 2162237x  
? eISSN: 21622388  
? Volume: 35  
? Issue: 1

? Pages: 60-72  
 ? Authors: Luppino Luigi Tommaso; Hansen Mads Adrian; Kampffmeyer Michael; Bianchi Filippo Maria; Moser Gabriele; Jenssen Robert; Anfinssen Stian Normann  
 ? Keywords: Affinity matrix | aligned autoencoders | deep learning | heterogeneous data | image regression | multimodal image analysis | unsupervised change detection (CD)  
 ? Quartile:  
 2025:  
 ? Computer Networks and Communications (Q1, rank 9, percentile 98)  
 ? Computer Science Applications (Q1, rank 18, percentile 98)  
 ? Software (Q1, rank 13, percentile 97)  
 ? Artificial Intelligence (Q1, rank 19, percentile 96)  
 2024:  
 ? Computer Networks and Communications (Q1, rank 5, percentile 99)  
 ? Computer Science Applications (Q1, rank 12, percentile 98)  
 ? Software (Q1, rank 10, percentile 98)  
 ? Artificial Intelligence (Q1, rank 16, percentile 96)  
 ? Source Id: 21100235616  
 ? Author Ids:  
 57194513229;57203180602;57193029170;56008499700;7101795745;6602110548;6504079727  
 ? Authoraffiliationids:  
 60021255;127510944;60021255;60021255-60114851;60025153;60021255;60021255-60114851  
 ? Corresponding: Luppino L.T.

17.  
 ? Title: A goal-driven unsupervised image segmentation method combining graph-based processing and Markov random fields  
 ? Venue: Pattern Recognition  
 ? Year: 2023  
 ? Type: Journal  
 ? Subtype: Article  
 ? Citations: 30  
 ? DOI: 10.1016/j.patcog.2022.109082  
 ? Scopus ID: 2-s2.0-85140090693  
 ? Issn: 00313203  
 ? Volume: 134  
 ? Authors: Trombini Marco; Solarna David; Moser Gabriele; Dellepiane Silvana  
 ? Keywords: Graph signal processing | Magnetic resonance imagery | Markovian modeling | Parametric model estimation | Pattern recognition | Segmentation | Synthetic aperture radar  
 ? Quartile:  
 2025:  
 ? Signal Processing (Q1, rank 8, percentile 96)  
 ? Software (Q1, rank 25, percentile 95)  
 ? Computer Vision and Pattern Recognition (Q1, rank 11, percentile 93)  
 ? Artificial Intelligence (Q1, rank 36, percentile 92)  
 2023:  
 ? Signal Processing (Q1, rank 9, percentile 93)  
 ? Software (Q1, rank 30, percentile 92)  
 ? Computer Vision and Pattern Recognition (Q1, rank 10, percentile 91)  
 ? Artificial Intelligence (Q1, rank 33, percentile 90)  
 ? Source Id: 24823  
 ? Author Ids: 57210213170;57192703421;7101795745;7004291247  
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153  
 ? Corresponding: Trombini M.

18.

? Title: Learning CRF potentials through fully convolutional networks for satellite image semantic segmentation  
? Venue: Proceedings 17th International Conference on Signal Image Technology and Internet Based Systems Sitis 2023  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Sitis61268.2023.00023  
? Scopus ID: 2-s2.0-85190155954  
? Pages: 93-98  
? Authors: Pastorino Martina; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: CNN | CRF | FCN | satellite images | semantic segmentation  
? Source Id: 21101213846  
? Author Ids: 57222463026;7101795745;7005306316;56211628500  
? Authoraffiliationids: 60025153-60032385;60025153;60025153;60032385  
? Corresponding: Pastorino M.

19.

? Title: Prediction of Cloud-to-Ground Lightning Through Gaussian Process Regression with Satellite Thermal Infrared Imagery and Numerical Weather Prediction Modeling Data  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 8  
? Doi: 10.1109/Igarss52108.2023.10281600  
? Scopus ID: 2-s2.0-85178338190  
? Volume: 2023-July  
? Pages: 2508-2511  
? Authors: La Fata Alice; Farina Lorenzo; Bernardi Marina; Moser Gabriele; Procopio Renato; Fiori Elisabetta  
? Keywords: Gaussian Process Regression (GPR) | Lightning | Nowcasting | Numerical Weather Prediction  
? Source Id: 82000  
? Author Ids: 57434749400;58737948500;56269310700;7101795745;7801615894;35229110700  
? Authoraffiliationids: 60025153;60025153;60083358;60025153;60025153;60081917  
? Corresponding: La Fata A.

20.

? Title: Contextual Classification of Polarimetric Sar Data Through a Complex-Valued Kernel and Global Energy Minimization  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Igarss52108.2023.10283464  
? Scopus ID: 2-s2.0-85178329556  
? Volume: 2023-July  
? Pages: 5954-5957  
? Authors: Masari Ignacio; Moser Gabriele; Serpico Sebastiano B.  
? Keywords: complex-valued-kernel | MRF | PolSAR | reproducing kernel Hilbert space (RKHS) | SVM  
? Source Id: 82000  
? Author Ids: 58736406900;7101795745;7005306316

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Masari I.

21.

? Title: Classification of Multimission SAR Images Based on Probabilistic Graphical Models and Convolutional Neural Networks

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2023

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Igarss52108.2023.10283356

? Scopus ID: 2-s2.0-85177999060

? Volume: 2023-July

? Pages: 1420-1423

? Authors: Pastorino Martina; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane

? Keywords: CNN | FCN | MRF | multimodal SAR imagery | multisensor | PGM | semantic segmentation

? Source Id: 82000

? Author Ids: 57222463026;7101795745;7005306316;56211628500

? Authoraffiliationids: 60025153-60032385;60025153;60025153;60032385

? Corresponding: Pastorino M.

22.

? Title: Graph-Based Segmentation and Markov Random Field for Covid-19 Infection in Lung CT Volumes

? Venue: Lecture Notes in Networks and Systems

? Year: 2023

? Type: Book Series

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1007/978-3-031-16281-7\_5

? Scopus ID: 2-s2.0-85137998701

? Issn: 23673370

? eISSN: 23673389

? Volume: 546 Lnns

? Pages: 43-52

? Authors: Iaconi Giulia; Ferraro Federica; Balletto Marco; Solarna David; Trombini Marco; Moser Gabriele; Dellepiane Silvana

? Keywords: Biomedical image | Graph-cut | Markov random field | Unsupervised segmentation

? Quartile:

2025:

? Signal Processing (Q3, rank 146, percentile 25)

? Computer Networks and Communications (Q3, rank 410, percentile 25)

? Control and Systems Engineering (Q4, rank 302, percentile 20)

2023:

? Signal Processing (Q4, rank 113, percentile 14)

? Control and Systems Engineering (Q4, rank 277, percentile 13)

? Computer Networks and Communications (Q4, rank 354, percentile 10)

? Source Id: 21100901469

? Author Ids:

57374524500;57222745417;57889711300;57192703421;57210213170;7101795745;7004291247

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

? Corresponding: Iaconi G.

23.

? 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.

24.

? Title: Multimodal Fusion of Mobility Demand Data and Remote Sensing Imagery for Urban Land-Use and Land-Cover Mapping  
? Venue: Remote Sensing  
? Year: 2022  
? Type: Journal  
? Subtype: Article  
? Citations: 5  
? DOI: 10.3390/rs14143370  
? Scopus ID: 2-s2.0-85136386550  
? eISSN: 20724292  
? Volume: 14  
? Issue: 14  
? Authors: Pastorino Martina; Gallo Federico; Di Febbraro Angela; Moser Gabriele; Sacco Nicola; Serpico Sebastiano B.  
? Keywords: data fusion | Markov random fields | mobility demand | transport zones | urban land-use mapping  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 12, percentile 94)  
2022:  
? Earth and Planetary Sciences (all) (Q1, rank 18, percentile 90)  
? Source Id: 86430  
? Author Ids: 57222463026;57219260268;57207860581;7101795745;35615294600;7005306316  
? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153  
? Corresponding: Pastorino M.

25.

? Title: Registration of Multisensor Images through a Conditional Generative Adversarial Network and a Correlation-Type Similarity Measure  
? Venue: Remote Sensing  
? Year: 2022  
? Type: Journal  
? Subtype: Article  
? Citations: 10  
? DOI: 10.3390/rs14122811  
? Scopus ID: 2-s2.0-85132264566  
? eISSN: 20724292  
? Volume: 14  
? Issue: 12  
? Authors: Maggiolo Luca; Solarna David; Moser Gabriele; Serpico Sebastiano Bruno  
? Keywords: area-based registration | COBYLA | conditional generative adversarial networks (cGANs) | deep learning | image-to-image translation | multisensor image registration | ?2 similarity  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 12, percentile 94)  
2022:  
? Earth and Planetary Sciences (all) (Q1, rank 18, percentile 90)  
? Source Id: 86430  
? Author Ids: 57207878137;57192703421;7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Maggiolo L.

26.

? Title: Fully Convolutional And Feedforward Networks For The Semantic Segmentation Of Remotely Sensed Images  
? Venue: Proceedings International Conference on Image Processing Icip  
? Year: 2022  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Doi: 10.1109/Icip46576.2022.9897336  
? Scopus ID: 2-s2.0-85146639359  
? Issn: 15224880  
? Pages: 1876-1880  
? Authors: Pastorino Martina; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: CNN | FCN | feedforward networks | multiresolution satellite images | semantic segmentation  
? 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: 57222463026;7101795745;7005306316;56211628500  
? Authoraffiliationids: 60025153-60032385;60025153;60025153;60032385  
? Corresponding: Pastorino M.

27.

? Title: Optical-SAR Decision Fusion with Markov Random Fields for High-Resolution Large-Scale Land Cover Mapping  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2022

? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 8  
? Doi: 10.1109/Igarss46834.2022.9884751  
? Scopus ID: 2-s2.0-85141895368  
? Volume: 2022-July  
? Pages: 5508-5511  
? Authors: Maggiolo Luca; Solarna David; Moser Gabriele; Serpico Sebastiano B.  
? Keywords: Consensus Theory | Iterated Conditional Modes | Large-scale Land Cover Mapping | Markov Random Fields | Multisensor Data fusion  
? Source Id: 82000  
? Author Ids: 57207878137;57192703421;7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Maggiolo L.

28.

? Title: A CNN-Transformer Knowledge Distillation for Remote Sensing Scene Classification  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2022  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 6  
? Doi: 10.1109/Igarss46834.2022.9884099  
? Scopus ID: 2-s2.0-85140393133  
? Volume: 2022-July  
? Pages: 663-666  
? Authors: Nabi Mostaan; Maggiolo Luca; Moser Gabriele; Serpico Sebastiano B.  
? Source Id: 82000  
? Author Ids: 57938174600;57207878137;7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Nabi M.

29.

? Title: Semantic Segmentation of SAR Images Through Fully Convolutional Networks and Hierarchical Probabilistic Graphical Models  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2022  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Igarss46834.2022.9883111  
? Scopus ID: 2-s2.0-85140383164  
? Volume: 2022-July  
? Pages: 1047-1050  
? Authors: Pastorino Martina; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: CNN | FCN | hierarchical Markov models | PGM | SAR imagery | semantic segmentation  
? Source Id: 82000  
? Author Ids: 57222463026;7101795745;7005306316;56211628500  
? Authoraffiliationids: 60025153-60032385;60025153;60025153;60032385  
? Corresponding: Pastorino M.

30.

? Title: A Tiling-Based Strategy for Large-Scale Multisensor Optical-Sar Image Registration  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2022  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? Doi: 10.1109/Igarss46834.2022.9884048  
? Scopus ID: 2-s2.0-85132299799  
? Volume: 2022-July  
? Pages: 127-130  
? Authors: Solarna David; Maggiolo Luca; Moser Gabriele; Serpico Sebastiano B.  
? Keywords: Image registration | large scale | multisensor data | optical | synthetic aperture radar (SAR) | tiling  
? Source Id: 82000  
? Author Ids: 57192703421;57207878137;7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Solarna D.

31.

? Title: Semantic Segmentation of Remote-Sensing Images Through Fully Convolutional Neural Networks and Hierarchical Probabilistic Graphical Models  
? Venue: IEEE Transactions on Geoscience and Remote Sensing  
? Year: 2022  
? Type: Journal  
? Subtype: Article  
? Citations: 39  
? Doi: 10.1109/Tgrs.2022.3141996  
? Scopus ID: 2-s2.0-85122849520  
? Issn: 01962892  
? eISSN: 15580644  
? Volume: 60  
? Authors: Pastorino Martina; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: Convolutional neural network (CNN) | fully convolutional network (FCN) | hierarchical Markov model | multiscale analysis | probabilistic graphical model (PGM) | remote sensing | semantic segmentation  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)  
2022:  
? Earth and Planetary Sciences (all) (Q1, rank 8, percentile 96)  
? Electrical and Electronic Engineering (Q1, rank 59, percentile 92)  
? Source Id: 17360  
? Author Ids: 57222463026;7101795745;7005306316;56211628500  
? Authoraffiliationids: 60025153-60110693;60025153;60025153;60110693  
? Corresponding: Pastorino M.

32.

? Title: A Semisupervised CRF Model for CNN-Based Semantic Segmentation with Sparse Ground Truth  
? Venue: IEEE Transactions on Geoscience and Remote Sensing  
? Year: 2022  
? Type: Journal  
? Subtype: Article  
? Citations: 18  
? Doi: 10.1109/Tgrs.2021.3095832  
? Scopus ID: 2-s2.0-85111563712  
? Issn: 01962892



? eISSN: 15580644  
? Volume: 60  
? Authors: Maggiolo Luca; Marcos Diego; Moser Gabriele; Serpico Sebastiano B.; Tuia Devis  
? Keywords: Classification | clustering | conditional random field (CRF) | convolutional neural network (CNN) | semantic labeling | semisupervised learning  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)  
2022:  
? Earth and Planetary Sciences (all) (Q1, rank 8, percentile 96)  
? Electrical and Electronic Engineering (Q1, rank 59, percentile 92)  
? Source Id: 17360  
? Author Ids: 57207878137;57188665642;7101795745;7005306316;15766793800  
? Authoraffiliationids: 60025153;60004156;60025153;60025153;60028186  
? Corresponding: Maggiolo L.

33.

? Title: Deep Image Translation with an Affinity-Based Change Prior for Unsupervised Multimodal Change Detection  
? Venue: IEEE Transactions on Geoscience and Remote Sensing  
? Year: 2022  
? Type: Journal  
? Subtype: Article  
? Citations: 133  
? Doi: 10.1109/Tgrs.2021.3056196  
? Scopus ID: 2-s2.0-85100923654  
? Issn: 01962892  
? eISSN: 15580644  
? Volume: 60  
? Authors: Luppino Luigi Tommaso; Kampffmeyer Michael; Bianchi Filippo Maria; Moser Gabriele; Serpico Sebastiano Bruno; Jenssen Robert; Anfinssen Stian Normann  
? Keywords: Adversarial networks | affinity matrix | deep learning | heterogeneous data | image regression | multimodal image analysis | unsupervised change detection (CD)  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)  
2022:  
? Earth and Planetary Sciences (all) (Q1, rank 8, percentile 96)  
? Electrical and Electronic Engineering (Q1, rank 59, percentile 92)  
? Source Id: 17360  
? Author Ids:  
57194513229;57193029170;56008499700;7101795745;7005306316;6602110548;6504079727  
? Authoraffiliationids:  
60021255;60021255;60021255-60114851;60025153;60025153;60021255;60021255  
? Corresponding: Luppino L.T.

34.

? Title: Hierarchical Markov random fields for high resolution land cover classification of multisensor and multiresolution image time series  
? Venue: Change Detection and Image Time Series Analysis 2 Supervised Methods  
? Year: 2021  
? Type: Book  
? Subtype: Book Chapter

? Citations: 0  
? DOI: 10.1002/9781119882299.ch1  
? Scopus ID: 2-s2.0-85147537019  
? Pages: 1-32  
? Authors: Hedhli Ihsen; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: Image classification | Multimission image time series | Multiple spatial resolutions | Remote sensing data fusion | Synthetic Aperture Radar  
? Source Id: 21101133588  
? Author Ids: 56422415400;7101795745;7005306316;56211628500  
? Authoraffiliationids: 60032619;60025153;60025153;60110693  
? Corresponding: Hedhli I.

35.

? Title: Evaluating LoRaWAN connectivity in a marine scenario  
? Venue: Journal of Marine Science and Engineering  
? Year: 2021  
? Type: Journal  
? Subtype: Article  
? Citations: 14  
? DOI: 10.3390/jmse9111218  
? Scopus ID: 2-s2.0-85119626513  
? eISSN: 20771312  
? Volume: 9  
? Issue: 11  
? Authors: Pensieri Sara; Viti Federica; Moser Gabriele; Serpico Sebastiano Bruno; Maggiolo Luca; Pastorino Martina; Solarna David; Cambiaso Andrea; Carraro Carlo; Degano Cristiana; Mainenti Ilaria; Seghezza Silvia; Bozzano Roberto  
? Keywords: Internet of things (IoT) | LoRaWAN | Low power wide area network (LPWAN) | Marine technology  
? Quartile:  
2025:  
? Ocean Engineering (Q1, rank 29, percentile 75)  
? Civil and Structural Engineering (Q2, rank 110, percentile 73)  
? Water Science and Technology (Q2, rank 77, percentile 72)  
2021:  
? Ocean Engineering (Q2, rank 42, percentile 57)  
? Civil and Structural Engineering (Q2, rank 159, percentile 51)  
? Water Science and Technology (Q3, rank 121, percentile 49)  
? Source Id: 21100830140  
? Author Ids: 35311650600;9270376500;7101795745;7005306316;57207878137;57222463026;57192703421;57349573900;57349709100;6602277633;56422305300;55838166900;6602292250  
? Authoraffiliationids: 60021199;60021199;60025153;60025153;60025153;60025153;60025153;127278704;127279421;101838253;101838253;123796635;60021199  
? Corresponding: Pensieri S.

36.

? Title: Traffic Zones Discretization and Origin-Destination Matrix Estimation by means of Transport Demand and Satellite Data Fusion  
? Venue: IEEE Conference on Intelligent Transportation Systems Proceedings ITSC  
? Year: 2021  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Itsc48978.2021.9565123  
? Scopus ID: 2-s2.0-85118429655  
? Volume: 2021-September

? Pages: 3217-3222  
? Authors: Prosperi Tommaso; Moser Gabriele; Sacco Nicola; Rebora Francesco  
? Keywords: land cover maps | OD matrix estimation | remote sensing data | Zoning  
? Source Id: 21101064705  
? Author Ids: 6603873855;7101795745;35615294600;57193017784  
? Authoraffiliationids: 60025153;60025153;60025153;127167992  
? Corresponding: Prosperi T.

37.

? Title: Monitoring the recovery after 2016 hurricane matthew in haiti via markovian multitemporal region-based modeling  
? Venue: Remote Sensing  
? Year: 2021  
? Type: Journal  
? Subtype: Article  
? Citations: 7  
? DOI: 10.3390/rs13173509  
? Scopus ID: 2-s2.0-85114556151  
? eISSN: 20724292  
? Volume: 13  
? Issue: 17  
? Authors: De Giorgi Andrea; Solarna David; Moser Gabriele; Tapete Deodato; Cigna Francesca; Boni Giorgio; Rudari Roberto; Serpico Sebastiano Bruno; Pisani Anna Rita; Montuori Antonio; Zoffoli Simona  
? Keywords: Change detection | Disaster management | High-resolution images | Markov random field (MRF) | Multitemporal supervised classification | Recovery monitoring | Region-based classification  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 12, percentile 94)  
2021:  
? Earth and Planetary Sciences (all) (Q1, rank 17, percentile 91)  
? Source Id: 86430  
? Author Ids: 56195544300;57192703421;7101795745;55221777800;36720533600;7004208139;6507764404;7005306316;36873916500;36816387400;6506174014  
? Authoraffiliationids: 60025153;60025153;60025153;60031612;60031612;60025153;102075139;60025153;60031612;60031612;60031612  
? Corresponding: De Giorgi A.

38.

? Title: Touch Modality Classification Using Recurrent Neural Networks  
? Venue: IEEE Sensors Journal  
? Year: 2021  
? Type: Journal  
? Subtype: Article  
? Citations: 27  
? Doi: 10.1109/Jsen.2021.3055565  
? Scopus ID: 2-s2.0-85100470601  
? Issn: 1530437x  
? eISSN: 15581748  
? Volume: 21  
? Issue: 8  
? Pages: 9983-9993  
? Authors: Alameh Mohamad; Abbass Yahya; Ibrahim Ali; Moser Gabriele; Valle Maurizio  
? Keywords: deep learning | recurrent neural network | tactile data classification | Tactile sensing systems

? Quartile:  
2025:  
? Instrumentation (Q1, rank 27, percentile 85)  
? Electrical and Electronic Engineering (Q1, rank 175, percentile 82)  
2021:  
? Instrumentation (Q1, rank 14, percentile 90)  
? Electrical and Electronic Engineering (Q1, rank 147, percentile 79)  
? Source Id: 15047  
? Author Ids: 57191244155;57211312886;57199654883;7101795745;57197744325  
? Authoraffiliationids: 60025153;60025153;60025153-60112476;60025153;60025153  
? Corresponding: Alameh M.

39.

? Title: Multisensor and multiresolution remote sensing image classification through a causal hierarchical markov framework and decision tree ensembles  
? Venue: Remote Sensing  
? Year: 2021  
? Type: Journal  
? Subtype: Article  
? Citations: 34  
? DOI: 10.3390/rs13050849  
? Scopus ID: 2-s2.0-85102777777  
? eISSN: 20724292  
? Volume: 13  
? Issue: 5  
? Pages: 1-25  
? Authors: Pastorino Martina; Montaldo Alessandro; Fronda Luca; Hedhli Ihsen; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: Causal Markov model | Decision tree ensemble | Hierarchical Markov random field | Markov chain | Markov mesh random field | Multimodal data fusion | Multiresolution and multisensor fusion | Remote sensing | Semantic image segmentation  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 12, percentile 94)  
2021:  
? Earth and Planetary Sciences (all) (Q1, rank 17, percentile 91)  
? Source Id: 86430  
? Author Ids:  
57222463026;57212479880;57212479749;56422415400;7101795745;7005306316;56211628500  
? Authoraffiliationids:  
60025153-60110693;60025153;60025153;60032619;60025153;60025153;60110693  
? Corresponding: Pastorino M.

40.

? Title: Road Extraction And Road Width Estimation Via Fusion Of Aerial Optical Imagery, Geospatial Data, And Street-Level Images  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2021  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Doi: 10.1109/Igarss47720.2021.9554540  
? Scopus ID: 2-s2.0-85129858991  
? Pages: 2413-2416  
? Authors: Grillo Andrea; Krylov Vladimir A.; Moser Gabriele; Serpico Sebastiano B.  
? Keywords: OpenStreetMap | Optical imagery | Road extraction | Road width estimation |

Street-level imagery

? Source Id: 82000

? Author Ids: 57680047100;57202676994;7101795745;7005306316

? Authoraffiliationids: 60025153;60025059;60025153;60025153

? Corresponding: Grillo A.

41.

? Title: Hierarchical Probabilistic Graphical Models and Deep Convolutional Neural Networks for Remote Sensing Image Classification

? Venue: European Signal Processing Conference

? Year: 2021

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Doi: 10.23919/Eusipco54536.2021.9616179

? Scopus ID: 2-s2.0-85123166099

? Issn: 22195491

? Volume: 2021-August

? Pages: 1740-1744

? Authors: Pastorino Martina; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane

? Keywords: CNN | Hierarchical PGM | Multiresolution | Remote sensing | Semantic segmentation

? Quartile:

2025:

? Signal Processing (Q3, rank 109, percentile 44)

? Electrical and Electronic Engineering (Q3, rank 573, percentile 42)

? Source Id: 21100204301

? Author Ids: 57222463026;7101795745;7005306316;56211628500

? Authoraffiliationids: 60025153-60110693;60025153;60025153;60110693

? Corresponding: Pastorino M.

42.

? Title: Semantic Segmentation Of Remote Sensing Images Combining Hierarchical Probabilistic Graphical Models And Deep Convolutional Neural Networks

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2021

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Igarss47720.2021.9553253

? Scopus ID: 2-s2.0-85114557018

? Volume: 2021-July

? Pages: 8672-8675

? Authors: Pastorino Martina; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane

? Keywords: CNN | FCN | Hierarchical Markov models | Multiresolution images | PGM | Semantic segmentation

? Source Id: 82000

? Author Ids: 57222463026;7101795745;7005306316;56211628500

? Authoraffiliationids: 60025153-60110693;60025153;60025153;60110693

? Corresponding: Pastorino M.

43.

? Title: Experimental Comparison Of Registration Methods For Multisensor Sar-Optical Data

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2021

? Type: Conference Proceeding

- ? Subtype: Conference Paper
  - ? Citations: 5
  - ? Doi: 10.1109/Igarss47720.2021.9553640
  - ? Scopus ID: 2-s2.0-85114556028
  - ? Volume: 2021-July
  - ? Pages: 3022-3025
  - ? Authors: Pinel-Puyss<sup>^</sup>gur B<sup>^</sup>atrice; Maggiolo Luca; Roux Michel; Gasnier Nicolas; Solarna David; Moser Gabriele; Serpico Sebastiano B.; Tupin Florence
  - ? Keywords: Multi-modality registration | Optical imagery | SAR
  - ? Source Id: 82000
  - ? Author Ids: 54409184800;57207878137;55519256500;57197745292;57192703421;7101795745;7005306316;6603939644
  - ? Authoraffiliationids: 60007816;60025153;60116488;60116488;60025153;60025153;60025153;60116488
  - ? Corresponding: Pinel-Puyss<sup>^</sup>gur B.
- 44.
- ? Title: Automatic Area-Based Registration of Optical and SAR Images Through Generative Adversarial Networks and a Correlation-Type Metric
  - ? Venue: International Geoscience and Remote Sensing Symposium IGARSS
  - ? Year: 2020
  - ? Type: Conference Proceeding
  - ? Subtype: Conference Paper
  - ? Citations: 9
  - ? Doi: 10.1109/Igarss39084.2020.9323235
  - ? Scopus ID: 2-s2.0-85101981992
  - ? Pages: 2089-2092
  - ? Authors: Maggiolo Luca; Solarna David; Moser Gabriele; Serpico Sebastiano B.
  - ? Keywords: COBYLA | conditional generative adversarial network | Multisensor image registration |  $\ell^2$  similarity
  - ? Source Id: 82000
  - ? Author Ids: 57207878137;57192703421;7101795745;7005306316
  - ? Authoraffiliationids: 60025153;60025153;60025153;60025153
  - ? Corresponding: Maggiolo L.
- 45.
- ? Title: Urban Land-Use and Land-Cover Mapping Based on the Classification of Transport Demand and Remote Sensing Data
  - ? Venue: International Geoscience and Remote Sensing Symposium IGARSS
  - ? Year: 2020
  - ? Type: Conference Proceeding
  - ? Subtype: Conference Paper
  - ? Citations: 2
  - ? Doi: 10.1109/Igarss39084.2020.9323497
  - ? Scopus ID: 2-s2.0-85101974693
  - ? Pages: 4080-4083
  - ? Authors: Tacconi Chiara; Tuscano Maria Pia; Moser Gabriele; Sacco Nicola
  - ? Keywords: data fusion | Markov random fields | transport demand | transport zones | Urban land use mapping
  - ? Source Id: 82000
  - ? Author Ids: 58826391100;57222247373;7101795745;35615294600
  - ? Authoraffiliationids: 60025153;60025153;60025153;60025153
  - ? Corresponding: Tacconi C.
- 46.
- ? Title: Heterogeneous Change Detection with Self-Supervised Deep Canonically Correlated Autoencoders

? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2020  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Doi: 10.1109/Igarss39084.2020.9323483  
? Scopus ID: 2-s2.0-85098575085  
? Pages: 680-683  
? Authors: Tomenotti F. Figari; Luppino L. T.; Hansen M. A.; Moser G.; Anfinsen S. N.  
? Source Id: 82000  
? Author Ids: 57222248197;57194513229;57203180602;7101795745;6504079727  
? Authoraffiliationids: 60025153;60021255;60021255;60025153;60021255  
? Corresponding: Tomenotti F.F.

47.

? Title: Change Detection with Heterogeneous Remote Sensing Data: From Semi-Parametric Regression to Deep Learning  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2020  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 8  
? Doi: 10.1109/Igarss39084.2020.9323831  
? Scopus ID: 2-s2.0-85098557765  
? Pages: 3892-3895  
? Authors: Moser Gabriele; Anfinsen Stian N.; Luppino Luigi T.; Serpico Sebastiano B.  
? Keywords: affinity matrix | deep learning | Heterogeneous change detection | image regression | image-to-image translation | multimodal data fusion  
? Source Id: 82000  
? Author Ids: 7101795745;6504079727;57194513229;7005306316  
? Authoraffiliationids: 60025153;60021255;60021255;60025153  
? Corresponding: Moser G.

48.

? Title: Unsupervised Heterogeneous Change Detection in Radar Images by Cross-domain Affinity Matching  
? Venue: IEEE National Radar Conference Proceedings  
? Year: 2020  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 6  
? DOI: 10.1109/RadarConf2043947.2020.9266452  
? Scopus ID: 2-s2.0-85098598919  
? Issn: 10975659  
? Volume: 2020-September  
? Authors: Anfinsen Stian N.; Luppino Luigi T.; Hansen Mads A.; Moser Gabriele; Serpico Sebastiano B.  
? Quartile:  
2020:  
? Electrical and Electronic Engineering (Q4, rank 674, percentile 2)  
? Source Id: 110583  
? Author Ids: 6504079727;57194513229;57203180602;7101795745;7005306316  
? Authoraffiliationids: 60021255;60021255;60021255;60025153;60025153  
? Corresponding: Anfinsen S.N.

49.

? Title: Crater Detection and Registration of Planetary Images through Marked Point

Processes, Multiscale Decomposition, and Region-Based Analysis

? Venue: IEEE Transactions on Geoscience and Remote Sensing

? Year: 2020

? Type: Journal

? Subtype: Article

? Citations: 19

? Doi: 10.1109/Tgrs.2020.2970908

? Scopus ID: 2-s2.0-85090404702

? Issn: 01962892

? eISSN: 15580644

? Volume: 58

? Issue: 9

? Pages: 6039-6058

? Authors: Solarna David; Gotelli Alberto; Le Moigne Jacqueline; Moser Gabriele; Serpico Sebastiano B.

? Keywords: Crater detection | image registration | marked point process (MPP) | multiple birth and cut (MBC) | multiple birth and death (MBD) | region of interest (ROI) | segmentation | wavelets

? Quartile:

2025:

? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)

? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)

2020:

? Earth and Planetary Sciences (all) (Q1, rank 5, percentile 97)

? Electrical and Electronic Engineering (Q1, rank 47, percentile 93)

? Source Id: 17360

? Author Ids: 57192703421;57191269840;55664867700;7101795745;7005306316

? Authoraffiliationids: 60025153;60025153;60016296;60025153;60025153

? Corresponding: Solarna D.

50.

? Title: A causal hierarchical markov framework for the classification of multiresolution and multisensor remote sensing images

? Venue: ISPRS Annals of the Photogrammetry Remote Sensing and Spatial Information Sciences

? Year: 2020

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? DOI: 10.5194/isprs-Annals-V-3-2020-269-2020

? Scopus ID: 2-s2.0-85090343334

? Issn: 21949042

? eISSN: 21949050

? Volume: 5

? Issue: 3

? Pages: 269-277

? Authors: Montaldo A.; Fronda L.; Hedhli I.; Moser G.; Serpico S. B.; Zerubia J.

? Keywords: Causality | Hierarchical Markov random models | Markov chain | Multiresolution and multisensor fusion | Semantic image segmentation.

? Quartile:

2025:

? Instrumentation (Q3, rank 100, percentile 47)

? Earth and Planetary Sciences (miscellaneous) (Q3, rank 101, percentile 46)

? Environmental Science (miscellaneous) (Q3, rank 165, percentile 42)

2020:



? Environmental Science (miscellaneous) (Q2, rank 44, percentile 58)  
? Earth and Planetary Sciences (miscellaneous) (Q3, rank 59, percentile 44)  
? Instrumentation (Q3, rank 75, percentile 41)  
? Source Id: 21100830113  
? Author Ids: 57212479880;57212479749;56422415400;7101795745;7005306316;56211628500  
? Authoraffiliationids: 60025153;60025153;60032619;60025153;60025153;60110693  
? Corresponding: Montaldo A.

51.

? Title: Unsupervised image regression for heterogeneous change detection  
? Venue: IEEE Transactions on Geoscience and Remote Sensing  
? Year: 2019  
? Type: Journal  
? Subtype: Article  
? Citations: 111  
? Doi: 10.1109/Tgrs.2019.2930348  
? Scopus ID: 2-s2.0-85075675875  
? Issn: 01962892  
? eISSN: 15580644  
? Volume: 57  
? Issue: 12  
? Pages: 9960-9975  
? Authors: Luppino Luigi Tommaso; Bianchi Filippo Maria; Moser Gabriele; Anfinssen Stian Normann  
? Keywords: Affinity matrix | Gaussian process (GP) | heterogeneous data | image regression | kernel smoothing | multimodal image analysis | random forest (RF) | support vector machine (SVM) | unsupervised change detection (CD)  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)  
2019:  
? Earth and Planetary Sciences (all) (Q1, rank 5, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 43, percentile 93)  
? Source Id: 17360  
? Author Ids: 57194513229;56008499700;7101795745;6504079727  
? Authoraffiliationids: 60021255;60021255;60025153;60021255  
? Corresponding: Luppino L.T.

52.

? 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.

53.

? Title: Causal Markov Mesh Hierarchical Modeling for the Contextual Classification of Multiresolution Satellite Images

? Venue: Proceedings International Conference on Image Processing Icip

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? Doi: 10.1109/Icip.2019.8803351

? Scopus ID: 2-s2.0-85076810666

? Issn: 15224880

? Volume: 2019-September

? Pages: 2716-2720

? Authors: Montaldo A.; Fronda L.; Hedhli I.; Moser G.; Serpico S. B.; Zerubia J.

? Keywords: causality | hierarchical Markov random field | Markov mesh random field | Multiresolution images | semantic image segmentation

? 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: 57212479880;57212479749;56422415400;7101795745;7005306316;56211628500

? Authoraffiliationids: 60025153;60025153;60032619;60025153;60025153;60032385

? Corresponding: Montaldo A.

54.

? Title: Recovery Monitoring in Haiti after Hurricane Matthew Through Markov Random Fields and A Region-Based Approach

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Igarss.2019.8899077

? Scopus ID: 2-s2.0-85077708493

? Pages: 9357-9360

? Authors: Giorgi Andrea De; Moser Gabriele; Boni Giorgio; Pisani Anna Rita; Tapete

Deodato; Zoffoli Simona; Serpico Sebastiano B.

? Keywords: Change-detection | disaster management | Markov random field (MRF) | multitemporal supervised classification | recovery monitoring | region- based classification

? Source Id: 82000

? Author Ids:

57213188902;7101795745;7004208139;36873916500;55221777800;6506174014;7005306316

? Authoraffiliationids: 60025153;60025153;60025153;60031612;60031612;60031612;60025153

? Corresponding: Giorgi A.D.

55.

? Title: Joint Classification of Multiresolution and Multisensor Data Using a Multiscale Markov Mesh Model

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Igarss.2019.8898060

? Scopus ID: 2-s2.0-85077704562

? Pages: 2810-2813

? Authors: Montaldo Alessandro; Fronda Luca; Hedhli Ihsen; Moser Gabriele; Zerubia Josiane; Serpico Sebastiano B.

? Keywords: hierarchical MRF | Multiresolution and multisensor fusion | symmetric Markov mesh | tree ensemble

? Source Id: 82000

? Author Ids: 57212479880;57212479749;56422415400;7101795745;56211628500;7005306316

? Authoraffiliationids: 60025153;60025153;60032385;60025153;60032619;60025153

? Corresponding: Montaldo A.

56.

? Title: Multiresolution and Multimodality Sar Data Fusion Based on Markov and Conditional Random Fields for Unsupervised Change Detection

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 5

? Doi: 10.1109/Igarss.2019.8898122

? Scopus ID: 2-s2.0-85077691276

? Pages: 29-32

? Authors: Solarna David; Moser Gabriele; Serpico Sebastiano B.

? Keywords: conditional random fields (CRF) | Markov random fields (MRF) | multimodality fusion | multiresolution fusion | synthetic aperture radar (SAR)

? Source Id: 82000

? Author Ids: 57192703421;7101795745;7005306316

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Solarna D.

57.

? Title: DCNN for Tactile Sensory Data Classification based on Transfer Learning

? Venue: Prime 2019 15th Conference on Ph D Research in Microelectronics and Electronics Proceedings

? Year: 2019

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 24

? Doi: 10.1109/Prime.2019.8787748  
? Scopus ID: 2-s2.0-85071323991  
? Pages: 237-240  
? Authors: Alameh Mohamad; Ibrahim Ali; Valle Maurizio; Moser Gabriele  
? Keywords: convolutional neural network (CNN) | deep learning | prosthetic | signal processing | Tactile sensing  
? Source Id: 21100925780  
? Author Ids: 57191244155;57199654883;57197744325;7101795745  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Alameh M.

58.

? 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.

59.

? Title: A markovian approach to unsupervised change detection with multiresolution and multimodality SAR data  
? Venue: Remote Sensing  
? Year: 2018  
? Type: Journal  
? Subtype: Article  
? Citations: 9  
? DOI: 10.3390/rs10111671  
? Scopus ID: 2-s2.0-85057086878  
? eISSN: 20724292

- ? Volume: 10  
? Issue: 11  
? Authors: Solarna David; Moser Gabriele; Serpico Sebastiano B.  
? Keywords: Generalized Gaussian | Gram-Charlier approximation | Graph cuts | Markov random fields (MRF) | Maximum likelihood (ML) estimation | Minimum mean squared error (MMSE) estimation | Multimodality data fusion | Multiresolution data fusion | Synthetic aperture radar (SAR)  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 12, percentile 94)  
2018:  
? Earth and Planetary Sciences (all) (Q1, rank 16, percentile 91)  
? Source Id: 86430  
? Author Ids: 57192703421;7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Solarna D.
60.  
? Title: Very high resolution optical image classification using watershed segmentation and a region-based kernel  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2018  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? Doi: 10.1109/Igarss.2018.8518526  
? Scopus ID: 2-s2.0-85064230932  
? Volume: 2018-July  
? Pages: 1312-1315  
? Authors: De Giorgi Andrea; Moser Gabriele; Poggi Giovanni; Scarpa Giuseppe; Serpico Sebastiano B.  
? Keywords: Geospatial objectbased image analysis (GEOBIA) | Kernel machines | Region-based classification | Watershed segmentation  
? Source Id: 82000  
? Author Ids: 56195544300;7101795745;7005255639;7004081145;7005306316  
? Authoraffiliationids: 60025153;60025153;60017293;60017293;60025153  
? Corresponding: De Giorgi A.
61.  
? Title: Improving maps from cNNs trained with sparse, scribbled ground truths using fully connected CRFs  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2018  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 18  
? Doi: 10.1109/Igarss.2018.8517947  
? Scopus ID: 2-s2.0-85063154146  
? Volume: 2018-July  
? Pages: 2099-2102  
? Authors: Maggiolo Luca; Marcos Diego; Moser Gabriele; Tuia Devis  
? Keywords: Clustering | Conditional Random Fields | Convolutional Neural Networks | Semantic labeling  
? Source Id: 82000  
? Author Ids: 57207878137;57188665642;7101795745;15766793800  
? Authoraffiliationids: 60025153-60004156;60004156;60025153;60004156

- ? Corresponding: Maggiolo L.
- 62.
- ? Title: Remote sensing image regression for heterogeneous change detection
- ? Venue: IEEE International Workshop on Machine Learning for Signal Processing Mlsp
- ? Year: 2018
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 13
- ? Doi: 10.1109/MLsp.2018.8517033
- ? Scopus ID: 2-s2.0-85057057151
- ? Issn: 21610363
- ? eISSN: 21610371
- ? Volume: 2018-September
- ? Authors: Luppino Luigi T.; Bianchi Filippo M.; Moser Gabriele; Anfinsen Stian N.
- ? Keywords: Change detection | Domain adaptation | Heterogeneous image sources | Regression
- ? Quartile:
- 2025:
- ? Signal Processing (Q3, rank 125, percentile 36)
- ? Human-Computer Interaction (Q4, rank 153, percentile 20)
- ? Source Id: 21100222921
- ? Author Ids: 57194513229;56008499700;7101795745;6504079727
- ? Authoraffiliationids: 60021255;60021255;60025153;60021255
- ? Corresponding: Luppino L.T.
- 63.
- ? Title: New Frontiers in Spectral-Spatial Hyperspectral Image Classification: The Latest Advances Based on Mathematical Morphology, Markov Random Fields, Segmentation, Sparse Representation, and Deep Learning
- ? Venue: IEEE Geoscience and Remote Sensing Magazine
- ? Year: 2018
- ? Type: Trade Journal
- ? Subtype: Article
- ? Citations: 313
- ? Doi: 10.1109/Mgrs.2018.2854840
- ? Scopus ID: 2-s2.0-85054521559
- ? Issn: 24732397
- ? eISSN: 21686831
- ? Volume: 6
- ? Issue: 3
- ? Pages: 10-43
- ? Authors: Ghamisi Pedram; Maggiori Emmanuel; Li Shutao; Souza Roberto; Tarabalka Yuliya; Moser Gabriele; De Giorgi Andrea; Fang Leyuan; Chen Yushi; Chi Mingmin; Serpico Sebastiano B.; Benediktsson Jon Atli
- ? Quartile:
- 2025:
- ? Earth and Planetary Sciences (all) (Q1, rank 1, percentile 99)
- ? Instrumentation (Q1, rank 2, percentile 99)
- ? Electrical and Electronic Engineering (Q1, rank 10, percentile 99)
- ? Computer Science (all) (Q1, rank 3, percentile 98)
- 2018:
- ? Instrumentation (Q1, rank 1, percentile 99)
- ? Computer Science (all) (Q1, rank 4, percentile 98)
- ? Earth and Planetary Sciences (all) (Q1, rank 4, percentile 98)
- ? Electrical and Electronic Engineering (Q1, rank 31, percentile 95)

? Source Id: 21100338322  
? Author Ids: 53663404300;56406411100;7409240361;55259204800;24512498300;7101795745;56195544300;36739090900;15059992600;18933613400;7005306316;7004494483  
? Authoraffiliationids: 60000086;60032385;60032356;100367247;60032385;60025153;60025153;60032356;60019616;60009860;60009860;60071113  
? Corresponding: Ghamisi P.

64.

? Title: Decision Fusion with Multiple Spatial Supports by Conditional Random Fields  
? Venue: IEEE Transactions on Geoscience and Remote Sensing  
? Year: 2018  
? Type: Journal  
? Subtype: Article  
? Citations: 31  
? Doi: 10.1109/Tgrs.2018.2797316  
? Scopus ID: 2-s2.0-85044062779  
? Issn: 01962892  
? Volume: 56  
? Issue: 6  
? Pages: 3277-3289  
? Authors: Tuia Devis; Volpi Michele; Moser Gabriele  
? Keywords: Classification | conditional random fields (CRF) | convolutional neural networks (CNNs) | hierarchical models | region-based analysis | semantic labeling  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)  
2018:  
? Earth and Planetary Sciences (all) (Q1, rank 3, percentile 98)  
? Electrical and Electronic Engineering (Q1, rank 30, percentile 95)  
? Source Id: 17360  
? Author Ids: 15766793800;35796556100;7101795745  
? Authoraffiliationids: 60012614;60004156-60025153;60025858  
? Corresponding: Tuia D.

65.

? Title: Open Data for Global Multimodal Land Use Classification: Outcome of the 2017 IEEE GRSS Data Fusion Contest  
? Venue: IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing  
? Year: 2018  
? Type: Journal  
? Subtype: Article  
? Citations: 125  
? Doi: 10.1109/Jstars.2018.2799698  
? Scopus ID: 2-s2.0-85045645809  
? Issn: 19391404  
? eISSN: 21511535  
? Volume: 11  
? Issue: 5  
? Pages: 1363-1377  
? Authors: Yokoya Naoto; Ghamisi Pedram; Xia Junshi; Sukhanov Sergey; Heremans Roel; Tankoyeu Ivan; Bechtel Benjamin; Le Saux Bertrand; Moser Gabriele; Tuia Devis  
? Keywords: Convolutional neural networks (CNNs) | crowdsourcing | deep learning (DL) | ensemble learning | image analysis and data fusion (IADF) | multimodal | multiresolution | multisource | OpenStreetMap (OSM) | random fields

? Quartile:

2025:

? Atmospheric Science (Q1, rank 19, percentile 87)

? Computers in Earth Sciences (Q1, rank 11, percentile 86)

2018:

? Atmospheric Science (Q1, rank 15, percentile 87)

? Computers in Earth Sciences (Q1, rank 6, percentile 83)

? Source Id: 17700155033

? Author Ids: 36440631200;53663404300;35099662000;57188859804;24467877300;54795956500;3

7088140000;6506307016;7101795745;15766793800

? Authoraffiliationids: 60277287;60007798;60025272;60113002;60113002;60113002;60028229;

60017355;60025153;60004156

? Corresponding: Yokoya N.

66.

? Title: New method in cascade for the multi-temporal or multi-sensor hierarchical classification of high-resolution satellite images

? Venue: Revue Francaise De Photogrammetrie Et De Teledetection

? Year: 2018

? Type: Journal

? Subtype: Article

? Citations: 1

? Scopus ID: 2-s2.0-85046252053

? Issn: 17689791

? Volume: 2018-February

? Issue: 216

? Pages: 3-17

? Authors: Hedhli Ihsen; Moser Gabriele; Zerubia Josiane

? Keywords: Classification | Hierarchical markov random fields | Image time series | MPM | Multi-resolution | Multi-sensor | Quad-Tree | Satellite images

? Quartile:

2025:

? Electrical and Electronic Engineering (Q3, rank 720, percentile 27)

? Computer Science Applications (Q4, rank 767, percentile 21)

2018:

? Electrical and Electronic Engineering (Q4, rank 582, percentile 13)

? Computer Science Applications (Q4, rank 538, percentile 8)

? Source Id: 144988

? Author Ids: 56422415400;7101795745;56211628500

? Authoraffiliationids: 60110693-120621764;120621764;60110693

? Corresponding: Hedhli I.

67.

? Title: Preface

? Venue: Signals and Communication Technology

? Year: 2018

? Type: Book Series

? Subtype: Editorial

? Citations: 0

? Scopus ID: 2-s2.0-85124915594

? Issn: 18604862

? eISSN: 18604870

? Pages: vii-viii

? Authors: Moser Gabriele; Zerubia Josiane

? Quartile:

2025:



? Computer Networks and Communications (Q4, rank 420, percentile 23)  
? Electrical and Electronic Engineering (Q4, rank 766, percentile 23)  
? Signal Processing (Q4, rank 151, percentile 22)  
? Control and Systems Engineering (Q4, rank 316, percentile 17)

2018:

? Electrical and Electronic Engineering (Q4, rank 624, percentile 6)  
? Computer Networks and Communications (Q4, rank 280, percentile 5)  
? Control and Systems Engineering (Q4, rank 229, percentile 4)  
? Signal Processing (Q4, rank 99, percentile 2)

? Source Id: 21100901476

? Author Ids: 7101795745;56211628500

? Authoraffiliationids: 60025153;60110693

? Corresponding: Moser G.

68.

? Title: Remote Sensing Data Fusion: Markov Models and Mathematical Morphology for Multisensor, Multiresolution, and Multiscale Image Classification

? Venue: Signals and Communication Technology

? Year: 2018

? Type: Book Series

? Subtype: Book Chapter

? Citations: 12

? Doi: 10.1007/978-3-319-66330-2\_7

? Scopus ID: 2-s2.0-85054301295

? Issn: 18604862

? eISSN: 18604870

? Pages: 277-323

? Authors: Benediktsson Jon A.; Cavallaro Gabriele; Falco Nicola; Hedhli Ihsen; Krylov Vladimir A.; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane

? Quartile:

2025:

? Computer Networks and Communications (Q4, rank 420, percentile 23)  
? Electrical and Electronic Engineering (Q4, rank 766, percentile 23)  
? Signal Processing (Q4, rank 151, percentile 22)  
? Control and Systems Engineering (Q4, rank 316, percentile 17)

2018:

? Electrical and Electronic Engineering (Q4, rank 624, percentile 6)  
? Computer Networks and Communications (Q4, rank 280, percentile 5)  
? Control and Systems Engineering (Q4, rank 229, percentile 4)  
? Signal Processing (Q4, rank 99, percentile 2)

? Source Id: 21100901476

? Author Ids: 7004494483;55636444100;36659188900;56422415400;57202676994;7101795745;7005306316;56211628500

? Authoraffiliationids: 600711113;600711113;60007174;60025153-60110693;60025153-60110693;60025153;60025153;60110693

? Corresponding: Benediktsson J.A.

69.

? Title: Mathematical models and methods for remote sensing image analysis: An introduction

? Venue: Signals and Communication Technology

? Year: 2018

? Type: Book Series

? Subtype: Book Chapter

? Citations: 5

? Doi: 10.1007/978-3-319-66330-2\_1

? Scopus ID: 2-s2.0-85054090531  
? Issn: 18604862  
? eISSN: 18604870  
? Pages: 1-36  
? Authors: Moser Gabriele; Zerubia Josiane; Serpico Sebastiano B.; Benediktsson Jon A.  
? Quartile:  
2025:  
? Computer Networks and Communications (Q4, rank 420, percentile 23)  
? Electrical and Electronic Engineering (Q4, rank 766, percentile 23)  
? Signal Processing (Q4, rank 151, percentile 22)  
? Control and Systems Engineering (Q4, rank 316, percentile 17)  
2018:  
? Electrical and Electronic Engineering (Q4, rank 624, percentile 6)  
? Computer Networks and Communications (Q4, rank 280, percentile 5)  
? Control and Systems Engineering (Q4, rank 229, percentile 4)  
? Signal Processing (Q4, rank 99, percentile 2)  
? Source Id: 21100901476  
? Author Ids: 7101795745;56211628500;7005306316;7004494483  
? Authoraffiliationids: 60025153;60110693;60025153;60071113  
? Corresponding: Moser G.

70.

? Title: The IEEE GRSS data and algorithm standard evaluation (DASE) website:  
Incrementally building a standardized assessment for algorithm performance  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2017  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Igarss.2017.8127528  
? Scopus ID: 2-s2.0-85041845348  
? Volume: 2017-July  
? Pages: 2601-2608  
? Authors: Dell'Acqua Fabio; Iannelli Gianni Cristian; Kerekes John; Moser Gabriele;  
Pierce Leland; Goldoni Emanuele  
? Source Id: 82000  
? Author Ids: 57196114762;55818212200;7004018960;7101795745;7102976999;35067990900  
? Authoraffiliationids: 60015197;117393798;60001777;60025153;60025778;120203434  
? Corresponding: Dell'Acqua F.

71.

? Title: Planetary crater detection and registration using marked point processes,  
multiple birth and death algorithms, and region-based analysis  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2017  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 8  
? Doi: 10.1109/Igarss.2017.8127459  
? Scopus ID: 2-s2.0-85041829035  
? Volume: 2017-July  
? Pages: 2337-2340  
? Authors: Solarna David; Moser Gabriele; Le Moigne Jacqueline; Serpico Sebastiano B.  
? Keywords: Crater Detection | Hausdorff Distance | Image Registration | Marked Point  
Processes | Region-based Analysis  
? Source Id: 82000

? Author Ids: 57192703421;7101795745;55664867700;7005306316

? Authoraffiliationids: 60025153;60025153;60006337;60025153

? Corresponding: Solarna D.

72.

? Title: Robust change detection from COSMO-SkyMed and RADARSAT-2 multitemporal images

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Igarss.2017.8128186

? Scopus ID: 2-s2.0-85041827398

? Volume: 2017-July

? Pages: 5252-5255

? Authors: Garzelli Andrea; Moser Gabriele; Serpico Sebastiano B.

? Keywords: Change detection | COSMO-SkyMed | Multifrequency SAR | Multisource data fusion | Multitemporal analysis | RADARSAT-2

? Source Id: 82000

? Author Ids: 7004594292;7101795745;7005306316

? Authoraffiliationids: 60002838;60025153;60025153

? Corresponding: Garzelli A.

73.

? Title: Planetary crater detection and registration using marked point processes, graph cut algorithms, and wavelet transforms

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Igarss.2017.8127457

? Scopus ID: 2-s2.0-85041806912

? Volume: 2017-July

? Pages: 2329-2332

? Authors: Gotelli Alberto; Le Moigne Jacqueline; Moser Gabriele; Serpico Sebastiano B.

? Keywords: Area-Based Image Registration | Featured-Based Image Registration | Marked Point Processes | Multiple Birth and Cut | Mutual Information | Planetary Images

? Source Id: 82000

? Author Ids: 57191269840;55664867700;7101795745;7005306316

? Authoraffiliationids: 60025153;60006337;60025153;60025153

? Corresponding: Gotelli A.

74.

? Title: The 2017 IEEE Geoscience and Remote Sensing Society Data Fusion Contest: Open Data for Global Multimodal Land Use Classification

? Venue: IEEE Geoscience and Remote Sensing Magazine

? Year: 2017

? Type: Journal

? Subtype: Article

? Citations: 4

? Doi: 10.1109/Mgrs.2017.2760346

? Scopus ID: 2-s2.0-85040345149

? Issn: 24732397

? eISSN: 21686831

? Volume: 5

? Issue: 4

? Pages: 110-114

? Authors: Tuia Devis; Moser Gabriele; Le Saux Bertrand; Bechtel Benjamin; See Linda

? Quartile:

2025:

? Earth and Planetary Sciences (all) (Q1, rank 1, percentile 99)

? Instrumentation (Q1, rank 2, percentile 99)

? Electrical and Electronic Engineering (Q1, rank 10, percentile 99)

? Computer Science (all) (Q1, rank 3, percentile 98)

2017:

? Instrumentation (Q1, rank 7, percentile 94)

? Earth and Planetary Sciences (all) (Q1, rank 13, percentile 93)

? Computer Science (all) (Q1, rank 16, percentile 92)

? Electrical and Electronic Engineering (Q1, rank 83, percentile 87)

? Source Id: 21100338322

? Author Ids: 15766793800;7101795745;6506307016;37088140000;7006538249

? Authoraffiliationids: 60004156;60017355;60017355;60028229;60019497

? Corresponding: Tuia D.

75.

? Title: Classification of Multisensor and Multiresolution Remote Sensing Images Through Hierarchical Markov Random Fields

? Venue: IEEE Geoscience and Remote Sensing Letters

? Year: 2017

? Type: Journal

? Subtype: Article

? Citations: 17

? Doi: 10.1109/Lgrs.2017.2768398

? Scopus ID: 2-s2.0-85035754902

? Issn: 1545598x

? Volume: 14

? Issue: 12

? Pages: 2448-2452

? Authors: Hedhli Ihsen; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane

? Keywords: Finite mixture models | hierarchical Markov random field (MRF) | marginal posterior mode (MPM) | multifrequency fusion | multiresolution fusion | multisensor fusion | quad-tree

? Quartile:

2025:

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

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

2017:

? Geotechnical Engineering and Engineering Geology (Q1, rank 3, percentile 98)

? Electrical and Electronic Engineering (Q1, rank 79, percentile 88)

? Source Id: 17259

? Author Ids: 56422415400;7101795745;7005306316;56211628500

? Authoraffiliationids: 60110693-60025153;60025153;60025153;60110693

? Corresponding: Hedhli I.

76.

? Title: Multitemporal Very High Resolution from Space: Outcome of the 2016 IEEE GRSS Data Fusion Contest

? Venue: IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing

? Year: 2017

? Type: Journal

? Subtype: Review

? Citations: 68  
? Doi: 10.1109/Jstars.2017.2696823  
? Scopus ID: 2-s2.0-85021836557  
? Issn: 19391404  
? eISSN: 21511535  
? Volume: 10  
? Issue: 8  
? Pages: 3435-3447  
? Authors: Mou L.; Zhu X.; Vakalopoulou M.; Karantzalos K.; Paragios N.; Le Saux B.; Moser G.; Tuia D.  
? Keywords: Change detection | convolutional neural networks (CNN) | deep learning | image analysis and data fusion | multimodal | multiresolution | multisource | random fields | tracking | video from space  
? Quartile:  
2025:  
? Atmospheric Science (Q1, rank 19, percentile 87)  
? Computers in Earth Sciences (Q1, rank 11, percentile 86)  
2017:  
? Computers in Earth Sciences (Q1, rank 5, percentile 87)  
? Atmospheric Science (Q1, rank 16, percentile 85)  
? Source Id: 17700155033  
? Author Ids: 55953611600;55696622200;58038416300;6507214354;22235200200;6506307016;7101795745;15766793800  
? Authoraffiliationids: 60007798-60019722;60007798-60019722;60002947;60002947;60122384;60017355;60025153;60012614-60004156  
? Corresponding: Mou L.

77.

? 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.

78.

? Title: Monitoring of green, open and sealed urban space

? Venue: 2017 Joint Urban Remote Sensing Event Jurse 2017

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Jurse.2017.7924561

? Scopus ID: 2-s2.0-85020224250

? Authors: Jupov<sup>^</sup>i K.; Bartalo<sup>?</sup> T.; Soukup T.; Moser G.; Serpico S. B.; Krylov V.; De Martino M.; Manzke N.; Rochard N.

? Keywords: EO data classification | ESA Programme: Copernicus | Green and open space | Image analysis | Land Cover and Land Use | Soil sealing | Sustainable Development | Urban

? Source Id: 21100817600

? Author Ids: 57194458737;57189685548;36890129300;7101795745;7005306316;57202676994;7102899067;57190172215;57194449588

? Authoraffiliationids:

100466261;100466261;100466261;60025153;60025153;60025153;60025153;60009731;118612532

? Corresponding: Jupov<sup>^</sup>i K.

79.

? Title: Land use modeling in North Rhine-Westphalia with interaction and scaling laws

? Venue: 2017 Joint Urban Remote Sensing Event Jurse 2017

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 9

? Doi: 10.1109/Jurse.2017.7924542

? Scopus ID: 2-s2.0-85020207788

? Authors: Tuia Devis; Moser Gabriele; Wurm Michael; Taubenbock Hannes

? Source Id: 21100817600

? Author Ids: 15766793800;7101795745;23494150600;8698790500

? Authoraffiliationids: 60012614;60025153;60007798;60007798

? Corresponding: Tuia D.

80.

? Title: Multi-resolution classification of urban areas using hierarchical symmetric Markov mesh models

? Venue: 2017 Joint Urban Remote Sensing Event Jurse 2017

? Year: 2017

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Doi: 10.1109/Jurse.2017.7924567

? Scopus ID: 2-s2.0-85020204673

? Authors: Hedhli Ihsen; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane

? Source Id: 21100817600

? Author Ids: 56422415400;7101795745;7005306316;56211628500

? Authoraffiliationids: 112072378;60025153;60025153;60032385

? Corresponding: Hedhli I.

81.

? Title: 2017 IEEE GRSS Data Fusion Contest: Open Data for Global Multimodal Land Use Classification [Technical Committees]

? Venue: IEEE Geoscience and Remote Sensing Magazine  
? Year: 2017  
? Type: Journal  
? Subtype: Article  
? Citations: 27  
? Doi: 10.1109/Mgrs.2016.2645380  
? Scopus ID: 2-s2.0-85016186733  
? Issn: 24732397  
? eISSN: 21686831  
? Volume: 5  
? Issue: 1  
? Pages: 70-73  
? Authors: Tuia Devis; Moser Gabriele; Le Saux Bertrand; Bechtel Benjamin; See Linda  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 1, percentile 99)  
? Instrumentation (Q1, rank 2, percentile 99)  
? Electrical and Electronic Engineering (Q1, rank 10, percentile 99)  
? Computer Science (all) (Q1, rank 3, percentile 98)  
2017:  
? Instrumentation (Q1, rank 7, percentile 94)  
? Earth and Planetary Sciences (all) (Q1, rank 13, percentile 93)  
? Computer Science (all) (Q1, rank 16, percentile 92)  
? Electrical and Electronic Engineering (Q1, rank 83, percentile 87)  
? Source Id: 21100338322  
? Author Ids: 15766793800;7101795745;6506307016;37088140000;7006538249  
? Authoraffiliationids: 60012614;60025153;60017355;60028229;60019497  
? Corresponding: Tuia D.

82.

? Title: 2016 IEEE GRSS Data Fusion Contest: Multitemporal Very High Resolution from Space [Technical Committees]  
? Venue: IEEE Geoscience and Remote Sensing Magazine  
? Year: 2017  
? Type: Journal  
? Subtype: Article  
? Citations: 1  
? Doi: 10.1109/Mgrs.2016.2620183  
? Scopus ID: 2-s2.0-85016176430  
? Issn: 24732397  
? eISSN: 21686831  
? Volume: 5  
? Issue: 1  
? Pages: 66-70  
? Authors: Tuia Devis; Moser Gabriele; Le Saux Bertrand  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 1, percentile 99)  
? Instrumentation (Q1, rank 2, percentile 99)  
? Electrical and Electronic Engineering (Q1, rank 10, percentile 99)  
? Computer Science (all) (Q1, rank 3, percentile 98)  
2017:  
? Instrumentation (Q1, rank 7, percentile 94)  
? Earth and Planetary Sciences (all) (Q1, rank 13, percentile 93)  
? Computer Science (all) (Q1, rank 16, percentile 92)

? Electrical and Electronic Engineering (Q1, rank 83, percentile 87)

? Source Id: 21100338322

? Author Ids: 15766793800;7101795745;6506307016

? Authoraffiliationids: 60012614;60025153;60017355

? Corresponding: Tuia D.

83.

? Title: Contributions of machine learning to remote sensing data analysis

? Venue: Comprehensive Remote Sensing

? Year: 2017

? Type: Book

? Subtype: Book Chapter

? Citations: 17

? Doi: 10.1016/B978-0-12-409548-9.10343-4

? Scopus ID: 2-s2.0-85077797392

? Volume: 1-9

? Pages: 199-243

? Authors: Scheunders P.; Tuia D.; Moser G.

? Keywords: Ensemble learning | Hyperspectral image classification | Kernel methods | Machine learning | Manifold learning | Neural networks | Sparse learning | Structured output

? Source Id: 21100958083

? Author Ids: 7003845862;15766793800;7101795745

? Authoraffiliationids: 60012937;60012614;60025153

? Corresponding: Scheunders P.

84.

? Title: A clustering approach to heterogeneous change detection

? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics

? Year: 2017

? Type: Book Series

? Subtype: Conference Paper

? Citations: 28

? Doi: 10.1007/978-3-319-59129-2\_16

? Scopus ID: 2-s2.0-85020434401

? Issn: 03029743

? eISSN: 16113349

? Volume: 10270 Lncs

? Pages: 181-192

? Authors: Luppino Luigi Tommaso; Anfinssen Stian Normann; Moser Gabriele; Jenssen Robert; Bianchi Filippo Maria; Serpico Sebastiano; Mercier Gregoire

? Keywords: Change detection | Clustering | Domain adaptation | Heterogeneous image sources

? Quartile:

2025:

? Theoretical Computer Science (Q3, rank 70, percentile 48)

? Computer Science (all) (Q3, rank 129, percentile 46)

2017:

? Computer Science (all) (Q2, rank 84, percentile 59)

? Theoretical Computer Science (Q3, rank 76, percentile 34)

? Source Id: 25674

? Author Ids:

57194513229;6504079727;7101795745;6602110548;56008499700;7005306316;59631024000

? Authoraffiliationids: 60021255;60021255;60025153;60021255;60021255;60025153;60110235

? Corresponding: Luppino L.T.



85.

? Title: Processing of Extremely High Resolution LiDAR and RGB Data: Outcome of the 2015 IEEE GRSS Data Fusion Contest-Part B: 3-D Contest  
? Venue: IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing  
? Year: 2016  
? Type: Journal  
? Subtype: Article  
? Citations: 43  
? Doi: 10.1109/Jstars.2016.2581843  
? Scopus ID: 2-s2.0-85027417634  
? Issn: 19391404  
? eISSN: 21511535  
? Volume: 9  
? Issue: 12  
? Pages: 5560-5575  
? Authors: Vo A. V.; Truong-Hong L.; Laefer D. F.; Tiede D.; Doleire-Oltmanns S.; Baraldi A.; Shimoni M.; Moser G.; Tuia D.  
? Keywords: Image analysis and data fusion (IADF) | light detection and ranging (LiDAR) | multimodal-data fusion | multiresolution-data fusion | multisource-data fusion | object identification | road detection | very high resolution (VHR) data  
? Quartile:  
2025:  
? Atmospheric Science (Q1, rank 19, percentile 87)  
? Computers in Earth Sciences (Q1, rank 11, percentile 86)  
2016:  
? Computers in Earth Sciences (Q1, rank 6, percentile 82)  
? Atmospheric Science (Q1, rank 20, percentile 81)  
? Source Id: 17700155033  
? Author Ids: 56566276600;36988356600;6507663359;21935206500;57195354925;56729223800;55961333800;7101795745;15766793800  
? Authoraffiliationids: 60005141;60005141;60005141;60002963;60002963;60002963-60017293;60004280;60025153;60012614  
? Corresponding: Vo A.V.

86.

? Title: Processing of Extremely High-Resolution LiDAR and RGB Data: Outcome of the 2015 IEEE GRSS Data Fusion Contest-Part A: 2-D Contest  
? Venue: IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing  
? Year: 2016  
? Type: Journal  
? Subtype: Article  
? Citations: 103  
? Doi: 10.1109/Jstars.2016.2569162  
? Scopus ID: 2-s2.0-85026995922  
? Issn: 19391404  
? eISSN: 21511535  
? Volume: 9  
? Issue: 12  
? Pages: 5547-5559  
? Authors: Campos-Taberner Manuel; Romero-Soriano Adriana; Gatta Carlo; Camps-Valls Gustau; Lagrange Adrien; Le Saux Bertrand; Beaupere Anne; Boulch Alexandre; Chan-Hon-Tong Adrien; Herbin Stephane; Randrianarivo Hicham; Ferecatu Marin; Shimoni Michal; Moser Gabriele; Tuia Devis

? Keywords: Deep neural networks | extremely high spatial resolution | image analysis and data fusion (IADF) | landcover classification | LiDAR | multimodal-data fusion | multiresolution- | multisource-

? Quartile:

2025:

? Atmospheric Science (Q1, rank 19, percentile 87)

? Computers in Earth Sciences (Q1, rank 11, percentile 86)

2016:

? Computers in Earth Sciences (Q1, rank 6, percentile 82)

? Atmospheric Science (Q1, rank 20, percentile 81)

? Source Id: 17700155033

? Author Ids: 56451201000;55437167800;34769929400;6603888005;57188727289;6506307016;57188718563;55443353600;55748524700;6507794033;56040782200;8310902400;55961333800;7101795745;15766793800

? Authoraffiliationids: 60002644;60001576;60023020;60002644;60017355;60017355;60017355;60017355;60017355;60017355;60014541;60004280;60025153;60012614

? Corresponding: Campos-Taberner M.

87.

? Title: Large urban zone classification on SPOT-5 imagery with convolutional neural networks

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 8

? Doi: 10.1109/Igarss.2016.7729461

? Scopus ID: 2-s2.0-85007481179

? Volume: 2016-November

? Pages: 1796-1799

? Authors: Krylov Vladimir A.; De Martino Michaela; Moser Gabriele; Serpico Sebastiano B.

? Keywords: classification | Convolutional neural networks | large urban zones | optical imagery

? Source Id: 82000

? Author Ids: 57202676994;7102899067;7101795745;7005306316

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Krylov V.

88.

? Title: Getting pixels and regions to agree with conditional random fields

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 6

? Doi: 10.1109/Igarss.2016.7729851

? Scopus ID: 2-s2.0-85007476993

? Volume: 2016-November

? Pages: 3290-3293

? Authors: Tuia Devis; Volpi Michele; Moser Gabriele

? Keywords: Conditional random fields | Markov random fields | random forests | structured prediction | urban remote sensing | very high resolution

? Source Id: 82000

? Author Ids: 15766793800;35796556100;7101795745

? Authoraffiliationids: 60012614;60012614;60025153

? Corresponding: Tuia D.

89.

? Title: Unsupervised change detection on synthetic aperture radar images with generalized gamma distribution

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.1109/Igarss.2016.7729866

? Scopus ID: 2-s2.0-85007422366

? Volume: 2016-November

? Pages: 3350-3353

? Authors: Crismer Fabrizio; Moser Gabriele; Krylov Vladimir A.; Serpico Sebastiano B.

? Keywords: consistent estimator | method of log-cumulants | SAR | Unsupervised change detection

? Source Id: 82000

? Author Ids: 57192699276;7101795745;57202676994;7005306316

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Crismer F.

90.

? Title: Supervised classification of thermal infrared hyperspectral images through Bayesian, Markovian, and region-based approaches

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2016

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? Doi: 10.1109/Igarss.2016.7729237

? Scopus ID: 2-s2.0-85007420674

? Volume: 2016-November

? Pages: 937-940

? Authors: Barisone Francesco; Solarna David; De Giorgi Andrea; Moser Gabriele; Serpico Sebastiano B.

? Keywords: Markov random fields | region-based classification | Thermal infrared hyperspectral

? Source Id: 82000

? Author Ids: 57192701027;57192703421;56195544300;7101795745;7005306316

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

? Corresponding: Barisone F.

91.

? Title: A New Cascade Model for the Hierarchical Joint Classification of Multitemporal and Multiresolution Remote Sensing Data

? Venue: IEEE Transactions on Geoscience and Remote Sensing

? Year: 2016

? Type: Journal

? Subtype: Article

? Citations: 27

? Doi: 10.1109/Tgrs.2016.2580321

? Scopus ID: 2-s2.0-84983060394

? Issn: 01962892

? Volume: 54

? Issue: 11

? Pages: 6333-6348

? Authors: Hedhli Ihsen; Moser Gabriele; Zerubia Josiane; Serpico Sebastiano Bruno  
? Keywords: Hierarchical multiresolution Markov random fields | multitemporal classification | satellite image time series  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)  
2016:  
? Earth and Planetary Sciences (all) (Q1, rank 5, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 31, percentile 95)  
? Source Id: 17360  
? Author Ids: 56422415400;7101795745;56211628500;7005306316  
? Authoraffiliationids: 60025153;60025153;60032385;60025153  
? Corresponding: Hedhli I.

92.

? Title: False Discovery Rate Approach to Unsupervised Image Change Detection  
? Venue: IEEE Transactions on Image Processing  
? Year: 2016  
? Type: Journal  
? Subtype: Article  
? Citations: 12  
? Doi: 10.1109/Tip.2016.2593340  
? Scopus ID: 2-s2.0-84985952139  
? Issn: 10577149  
? Volume: 25  
? Issue: 10  
? Pages: 4704-4718  
? Authors: Krylov Vladimir A.; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: Change detection | dermatological images | false discovery rate | statistical hypothesis testing | still camera images | synthetic aperture radar images  
? Quartile:  
2025:  
? Computer Graphics and Computer-Aided Design (Q1, rank 3, percentile 98)  
? Software (Q1, rank 15, percentile 97)  
2016:  
? Computer Graphics and Computer-Aided Design (Q1, rank 2, percentile 97)  
? Software (Q1, rank 15, percentile 96)  
? Source Id: 25534  
? Author Ids: 57202676994;7101795745;7005306316;56211628500  
? Authoraffiliationids: 60025153;60025153;60025153;60032385  
? Corresponding: Krylov V.

93.

? Title: Multiresolution Supervised Classification of Panchromatic and Multispectral Images by Markov Random Fields and Graph Cuts  
? Venue: IEEE Transactions on Geoscience and Remote Sensing  
? Year: 2016  
? Type: Journal  
? Subtype: Article  
? Citations: 27  
? Doi: 10.1109/Tgrs.2016.2547027  
? Scopus ID: 2-s2.0-84973542324  
? Issn: 01962892  
? Volume: 54  
? Issue: 9

? Pages: 5054-5070

? Authors: Moser Gabriele; De Giorgi Andrea; Serpico Sebastiano Bruno

? Keywords: Bayesian estimation | expectation-maximization (EM) | graph cuts | Markov random fields (MRF) | Multiresolution image classification

? Quartile:

2025:

? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)

? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)

2016:

? Earth and Planetary Sciences (all) (Q1, rank 5, percentile 97)

? Electrical and Electronic Engineering (Q1, rank 31, percentile 95)

? Source Id: 17360

? Author Ids: 7101795745;56195544300;7005306316

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Moser G.

94.

? 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; Sciacaluga 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.

95.

? Title: Contextual multi-scale image classification on quadtree

? Venue: Proceedings International Conference on Image Processing Icip  
? Year: 2016  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? Doi: 10.1109/Icip.2016.7532578  
? Scopus ID: 2-s2.0-85006747301  
? Issn: 15224880  
? Volume: 2016-August  
? Pages: 1349-1353  
? Authors: Hedhli Ihsen; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: Causal model | Hierarchical MRF | Markov mesh | MPM | Multi-scale classification  
? 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: 56422415400;7101795745;7005306316;56211628500  
? Authoraffiliationids: 60032385-60025153;60025153;60025153;60032385  
? Corresponding: Hedhli I.

96.

? Title: The IEEE GRSS standardized remote sensing data website: A step towards "science 2.0" in remote sensing  
? Venue: European Space Agency Special Publication ESA SP  
? Year: 2016  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Scopus ID: 2-s2.0-84988487450  
? Issn: 03796566  
? Volume: SP-740  
? Authors: Dell'Acqua Fabio; Iannelli Gianni Cristian; Kerekes John; Lisini Gianni; Moser Gabriele; Ricardi Niccolò†; Pierce Leland  
? Quartile:  
2016:  
? Aerospace Engineering (Q4, rank 107, percentile 3)  
? Space and Planetary Science (Q4, rank 79, percentile 1)  
? Source Id: 27179  
? Author Ids:  
57196114762;55818212200;7004018960;6602456693;7101795745;57203544904;7102976999  
? Authoraffiliationids:  
60015197;117393798;60001777;117393798;60025153;117393798;60025778  
? Corresponding: Dell'Acqua F.

97.

? Title: Polarimetric SAR change detection with the complex hotelling-lawley trace statistic  
? Venue: IEEE Transactions on Geoscience and Remote Sensing  
? Year: 2016  
? Type: Journal  
? Subtype: Article  
? Citations: 96  
? Doi: 10.1109/Tgrs.2016.2532320

? Scopus ID: 2-s2.0-84977938213  
? Issn: 01962892  
? Volume: 54  
? Issue: 7  
? Pages: 3953-3966  
? Authors: Akbari Vahid; Anfinssen Stian N.; Doulgeris Anthony P.; Eltoft Torbjorn; Moser Gabriele; Serpico Sebastiano B.  
? Keywords: Change detection | complex Wishart distribution | Fisher-Snedecor (FS) distribution | Hotelling-Lawley trace (HLT) statistic | likelihood ratio test (LRT) statistic | polarimetry | synthetic aperture radar (SAR)  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)  
2016:  
? Earth and Planetary Sciences (all) (Q1, rank 5, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 31, percentile 95)  
? Source Id: 17360  
? Author Ids: 57073546600;6504079727;23011573300;35585249500;7101795745;7005306316  
? Authoraffiliationids: 60021255;60021255;60021255;60021255;60025153;60025153  
? Corresponding: Akbari V.

98.

? 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;60025153-60102151  
? Corresponding: Costamagna P.

99.

? Title: 2016 IEEE GRSS Data Fusion Contest: Very high temporal resolution from space  
Technical Committees

? Venue: IEEE Geoscience and Remote Sensing Magazine  
? Year: 2016  
? Type: Journal  
? Subtype: Article  
? Citations: 4  
? Doi: 10.1109/Mgrs.2016.2515107  
? Scopus ID: 2-s2.0-84964659855  
? Issn: 24732397  
? eISSN: 21686831  
? Volume: 4  
? Issue: 1  
? Pages: 46-48  
? Authors: Tuia Devis; Moser Gabriele; Saux Bertrand Le  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 1, percentile 99)  
? Instrumentation (Q1, rank 2, percentile 99)  
? Electrical and Electronic Engineering (Q1, rank 10, percentile 99)  
? Computer Science (all) (Q1, rank 3, percentile 98)  
2016:  
? Instrumentation (Q1, rank 3, percentile 97)  
? Computer Science (all) (Q1, rank 12, percentile 94)  
? Earth and Planetary Sciences (all) (Q1, rank 12, percentile 93)  
? Electrical and Electronic Engineering (Q1, rank 55, percentile 91)  
? Source Id: 21100338322  
? Author Ids: 15766793800;7101795745;6506307016  
? Authoraffiliationids: 60012614;60025153;60017355  
? Corresponding: Tuia D.

100.

? Title: New hierarchical joint classification method for SAR-optical multiresolution remote sensing data  
? Venue: 2015 23rd European Signal Processing Conference Eusipco 2015  
? Year: 2015  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 7  
? Doi: 10.1109/Eusipco.2015.7362485  
? Scopus ID: 2-s2.0-84963957923  
? Pages: 759-763  
? Authors: Hedhli Ihsen; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: hierarchical Markov random fields | multiresolution remote sensing images | Multisensor | supervised classification  
? Source Id: 21100455902  
? Author Ids: 56422415400;7101795745;7005306316;56211628500  
? Authoraffiliationids: 60013373-60025153;60025153;60025153;60013373  
? Corresponding: Hedhli I.

101.

? 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.

102.

? Title: New cascade model for hierarchical joint classification of multisensor and multiresolution remote sensing data  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2015  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Igarss.2015.7326075  
? Scopus ID: 2-s2.0-84962549651  
? Volume: 2015-November  
? Pages: 1543-1546  
? Authors: Hedhli Ihsen; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: hierarchical Markov random fields | multiresolution remote sensing images | Multisensor | supervised classification  
? Source Id: 82000  
? Author Ids: 56422415400;7101795745;7005306316;56211628500  
? Authoraffiliationids: 60013373-60025153;60025153;60025153;60013373  
? Corresponding: Hedhli I.

103.

? Title: An active learning heuristic using spectral and spatial information for MRF-based classification  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2015  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Igarss.2015.7326791  
? Scopus ID: 2-s2.0-84962542079  
? Volume: 2015-November  
? Pages: 4356-4359  
? Authors: Hu Bo; Moser Gabriele; Serpico Sebastiano B.; Li Peijun  
? Keywords: active learning | Image classification | Markov random field | potential parameter estimation | spatial information  
? Source Id: 82000  
? Author Ids: 56421029200;7101795745;7005306316;56040925600  
? Authoraffiliationids: 60014966;60025153;60025153;60014966  
? Corresponding: Hu B.

104.

? Title: Parameter optimization for Markov random field models for remote sensing image classification through sequential minimal optimization  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2015  
? Type: Conference Proceeding  
? Subtype: Conference Paper

? Citations: 4  
? Doi: 10.1109/lgarss.2015.7326279  
? Scopus ID: 2-s2.0-84962541873  
? Volume: 2015-November  
? Pages: 2346-2349  
? Authors: De Giorgi Andrea; Moser Gabriele; Serpico Sebastiano B.  
? Keywords: Markov random field | Parameter optimization | sequential minimal optimization  
? Source Id: 82000  
? Author Ids: 56195544300;7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: De Giorgi A.

105.

? Title: Multimodal Classification of Remote Sensing Images: A Review and Future Directions  
? Venue: Proceedings of the IEEE  
? Year: 2015  
? Type: Journal  
? Subtype: Article  
? Citations: 411  
? Doi: 10.1109/Jproc.2015.2449668  
? Scopus ID: 2-s2.0-85027940869  
? Issn: 00189219  
? Volume: 103  
? Issue: 9  
? Pages: 1560-1584  
? Authors: Gomez-Chova Luis; Tuia Devis; Moser Gabriele; Camps-Valls Gustau  
? Keywords: Classification | fusion | multiangular | multimodal image analysis | multisource | multitemporal | remote sensing  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 3, percentile 99)  
? Computer Science (all) (Q1, rank 2, percentile 99)  
2015:  
? Electrical and Electronic Engineering (Q1, rank 7, percentile 99)  
? Source Id: 17915  
? Author Ids: 6603354695;15766793800;7101795745;6603888005  
? Authoraffiliationids: 60002644;60012614;60025153;60002644  
? Corresponding: Gomez-Chova L.

106.

? Title: Foreword to the Special Issue on Data Fusion in Remote Sensing [From the Guest Editors]  
? Venue: IEEE Geoscience and Remote Sensing Magazine  
? Year: 2015  
? Type: Journal  
? Subtype: Review  
? Citations: 2  
? Doi: 10.1109/Mgrs.2015.2467178  
? Scopus ID: 2-s2.0-84959519735  
? Issn: 24732397  
? eISSN: 21686831  
? Volume: 3  
? Issue: 3  
? Pages: 6-7

? Authors: Tuia Devis; Moser Gabriele  
? Keywords: Data fusion | Remote sensing | Special issues and sections  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 1, percentile 99)  
? Instrumentation (Q1, rank 2, percentile 99)  
? Electrical and Electronic Engineering (Q1, rank 10, percentile 99)  
? Computer Science (all) (Q1, rank 3, percentile 98)  
2015:  
? Computer Science (all) (Q1, rank 46, percentile 77)  
? Earth and Planetary Sciences (all) (Q1, rank 41, percentile 76)  
? Instrumentation (Q2, rank 27, percentile 74)  
? Electrical and Electronic Engineering (Q2, rank 198, percentile 70)  
? Source Id: 21100338322  
? Author Ids: 15766793800;7101795745  
? Authoraffiliationids: 60012614;60025153  
? Corresponding: Tuia D.

107.

? Title: Report on the IEEE GRSS/ISPRS Workshop EarthVision @ CVPR 2015 (Boston, MA)  
[Technical Committees]  
? Venue: IEEE Geoscience and Remote Sensing Magazine  
? Year: 2015  
? Type: Journal  
? Subtype: Article  
? Citations: 0  
? Doi: 10.1109/Mgrs.2015.2459723  
? Scopus ID: 2-s2.0-84943789548  
? Issn: 24732397  
? eISSN: 21686831  
? Volume: 3  
? Issue: 3  
? Pages: 121-129  
? Authors: Tuia Devis; Wegner Jan Dirk; Schindler Konrad; Zerubia Josiane; Moser Gabriele  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 1, percentile 99)  
? Instrumentation (Q1, rank 2, percentile 99)  
? Electrical and Electronic Engineering (Q1, rank 10, percentile 99)  
? Computer Science (all) (Q1, rank 3, percentile 98)  
2015:  
? Computer Science (all) (Q1, rank 46, percentile 77)  
? Earth and Planetary Sciences (all) (Q1, rank 41, percentile 76)  
? Instrumentation (Q2, rank 27, percentile 74)  
? Electrical and Electronic Engineering (Q2, rank 198, percentile 70)  
? Source Id: 21100338322  
? Author Ids: 15766793800;35099690000;8557497200;56211628500;7101795745  
? Authoraffiliationids: 60012614;60025858;60025858;60032385;60025153  
? Corresponding: Tuia D.

108.

? Title: Report on the 2015 IEEE GRSS Data Fusion Contest-Extremely High Resolution  
LiDAR and Optical Data: A Data Fusion Challenge [Technical Committees]  
? Venue: IEEE Geoscience and Remote Sensing Magazine  
? Year: 2015

? Type: Journal  
 ? Subtype: Article  
 ? Citations: 2  
 ? Doi: 10.1109/Mgrs.2015.2468071  
 ? Scopus ID: 2-s2.0-84943748263  
 ? Issn: 24732397  
 ? eISSN: 21686831  
 ? Volume: 3  
 ? Issue: 3  
 ? Pages: 118-121  
 ? Authors: Moser Gabriele; Tuia Devis; Shimoni Michal  
 ? Quartile:  
 2025:  
 ? Earth and Planetary Sciences (all) (Q1, rank 1, percentile 99)  
 ? Instrumentation (Q1, rank 2, percentile 99)  
 ? Electrical and Electronic Engineering (Q1, rank 10, percentile 99)  
 ? Computer Science (all) (Q1, rank 3, percentile 98)  
 2015:  
 ? Computer Science (all) (Q1, rank 46, percentile 77)  
 ? Earth and Planetary Sciences (all) (Q1, rank 41, percentile 76)  
 ? Instrumentation (Q2, rank 27, percentile 74)  
 ? Electrical and Electronic Engineering (Q2, rank 198, percentile 70)  
 ? Source Id: 21100338322  
 ? Author Ids: 7101795745;15766793800;55961333800  
 ? Authoraffiliationids: 60025153;60012614;60004280  
 ? Corresponding: Moser G.

109.

? Title: The URBIS project: Vacant urban area classification and detection of changes  
 ? Venue: 2015 Joint Urban Remote Sensing Event Jurse 2015  
 ? Year: 2015  
 ? Type: Conference Proceeding  
 ? Subtype: Conference Paper  
 ? Citations: 5  
 ? Doi: 10.1109/Jurse.2015.7120532  
 ? Scopus ID: 2-s2.0-84938839306  
 ? Authors: Moser Gabriele; Krylov Vladimir; De Martino Michaela; Serpico Sebastiano  
 ? Source Id: 21100403414  
 ? Author Ids: 7101795745;57202676994;7102899067;7005306316  
 ? Authoraffiliationids: 60025153;60025153;60025153;60025153  
 ? Corresponding: Moser G.

110.

? Title: Classification of urban structural types with multisource data and structured models  
 ? Venue: 2015 Joint Urban Remote Sensing Event Jurse 2015  
 ? Year: 2015  
 ? Type: Conference Proceeding  
 ? Subtype: Conference Paper  
 ? Citations: 29  
 ? Doi: 10.1109/Jurse.2015.7120489  
 ? Scopus ID: 2-s2.0-84938826532  
 ? Authors: Montanges Arnaud Poncet; Moser Gabriele; Taubenböck Hannes; Wurm Michael; Tuia Devis  
 ? Source Id: 21100403414  
 ? Author Ids: 56770009900;7101795745;8698790500;23494150600;15766793800

? Authoraffiliationids: 60028186;60025153;60007798;60007798;60012614

? Corresponding: Montanges A.P.

111.

? Title: Processing of Multiresolution Thermal Hyperspectral and Digital Color Data: Outcome of the 2014 IEEE GRSS Data Fusion Contest

? Venue: IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 217

? Doi: 10.1109/Jstars.2015.2420582

? Scopus ID: 2-s2.0-85027940813

? Issn: 19391404

? eISSN: 21511535

? Volume: 8

? Issue: 6

? Pages: 2984-2996

? Authors: Liao Wenzhi; Huang Xin; Van Coillie Fieke; Gautama Sidharta; Piurica Aleksandra; Philips Wilfried; Liu Hui; Zhu Tingting; Shimoni Michal; Moser Gabriele; Tuia Devis

? Keywords: Hyperspectral | image analysis and data fusion (IADF) | landcover classification | multimodal- | multiresolution- | multisource-data fusion | thermal imaging

? Quartile:

2025:

? Atmospheric Science (Q1, rank 19, percentile 87)

? Computers in Earth Sciences (Q1, rank 11, percentile 86)

2015:

? Atmospheric Science (Q1, rank 17, percentile 83)

? Computers in Earth Sciences (Q1, rank 5, percentile 83)

? Source Id: 17700155033

? Author Ids: 24830628200;35203557800;7801421591;6507928058;6602736198;7005218159;59058056200;56937618300;55961333800;7101795745;15766793800

? Authoraffiliationids: 60033316;60029306;60033316;60033316;60033316;60033316;60029306;60029306;60004280;60025153;60012614

? Corresponding: Liao W.

112.

? Title: 2015 IEEE GRSS data fusion contest: Extremely high resolution LiDAR and optical data [Technical committees]

? Venue: IEEE Geoscience and Remote Sensing Magazine

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 13

? Doi: 10.1109/Mgrs.2015.2397448

? Scopus ID: 2-s2.0-84926442791

? Issn: 24732397

? eISSN: 21686831

? Volume: 3

? Issue: 1

? Pages: 40-41

? Authors: Moser Gabriele; Tuia Devis; Shimoni Michal

? Quartile:

2025:

- ? Earth and Planetary Sciences (all) (Q1, rank 1, percentile 99)
- ? Instrumentation (Q1, rank 2, percentile 99)
- ? Electrical and Electronic Engineering (Q1, rank 10, percentile 99)
- ? Computer Science (all) (Q1, rank 3, percentile 98)

2015:

- ? Computer Science (all) (Q1, rank 46, percentile 77)
- ? Earth and Planetary Sciences (all) (Q1, rank 41, percentile 76)
- ? Instrumentation (Q2, rank 27, percentile 74)
- ? Electrical and Electronic Engineering (Q2, rank 198, percentile 70)

? Source Id: 21100338322

? Author Ids: 7101795745;15766793800;55961333800

? Authoraffiliationids: 60025153;60012614;60004280

? Corresponding: Moser G.

113.

? 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;60025153-60102151

? Corresponding: Moser G.

114.

? Title: Estimation of air surface temperature from remote sensing images and pixelwise modeling of the estimation uncertainty through support vector machines

? Venue: IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 15

? Doi: 10.1109/Jstars.2014.2361862

? Scopus ID: 2-s2.0-84929470782

? Issn: 19391404

? eISSN: 21511535

? Volume: 8

? Issue: 1

? Pages: 332-349

? Authors: Moser Gabriele; De Martino Michaela; Serpico Sebastiano B.

? Keywords: Air temperature estimation | Clark's approximation | expectation-maximization | nonstationary parameter estimation | Powell's algorithm | span bound | support vector machine (SVM)

? Quartile:

2025:

? Atmospheric Science (Q1, rank 19, percentile 87)

? Computers in Earth Sciences (Q1, rank 11, percentile 86)

2015:

? Atmospheric Science (Q1, rank 17, percentile 83)

? Computers in Earth Sciences (Q1, rank 5, percentile 83)

? Source Id: 17700155033

? Author Ids: 7101795745;7102899067;7005306316

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Moser G.

115.

? Title: An automated flood detection framework for very high spatial resolution imagery

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 11

? Doi: 10.1109/Igarss.2014.6947607

? Scopus ID: 2-s2.0-84911452124

? Pages: 4954-4957

? Authors: Scarsi Andrea; Emery William J.; Moser Gabriele; Pacifici Fabio; Serpico Sebastiano B.

? Keywords: flood damage | mean shift | normalized difference index | surface reflectance | Unsupervised change detection

? Source Id: 82000

? Author Ids: 56422150500;35598959400;7101795745;21934918000;7005306316

? Authoraffiliationids: 60025153;60000221;60025153;;60025153

? Corresponding: Scarsi A.

116.

? Title: The SEAGOSS project: Monitoring coastal seawater in Italy by remote sensing data

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Doi: 10.1109/Igarss.2014.6947480

? Scopus ID: 2-s2.0-84911446521

? Pages: 4454-4457

? Authors: De Martino Michaela; Dellepiane Silvana; Gemme Laura; Moser Gabriele; Serpico Sebastiano B.; Toma Matteo; Degano Cristiana; Loiaconi Aldo; Mainenti Ilaria; Cusati Luis Alberto; Pedroncini Andrea

? Keywords: Coastal monitoring | marine circulation model | oil slicks | satellite data | Support Vector Machines

? Source Id: 82000

? Author Ids: 7102899067;7004291247;56422411700;7101795745;7005306316;56041324800;6602277633;56422493200;56422305300;56362914400;56363169900

? Authoraffiliationids: 60025153;60025153;60025153;60025153;60025153;60025153;101838253;101838253;101838253;115905199;115905199

? Corresponding: De Martino M.

117.

? Title: Contextual remote-sensing image classification through support vector machines, Markov random fields and graph cuts

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 6

? Doi: 10.1109/Igarss.2014.6947292

? Scopus ID: 2-s2.0-84911435752

? Pages: 3722-3725

? Authors: De Giorgi Andrea; Moser Gabriele; Serpico Sebastiano B.

? Keywords: graph cuts | Markov random fields | Support vector machines

? Source Id: 82000

? Author Ids: 56195544300;7101795745;7005306316

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: De Giorgi A.

118.

? Title: Fusion of multitemporal and multiresolution remote sensing data and application to natural disasters

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 3

? Doi: 10.1109/Igarss.2014.6946393

? Scopus ID: 2-s2.0-84911404394

? Pages: 207-210

? Authors: Hedhli Ihsen; Moser Gabriele; Zerubia Josiane; Serpico Sebastiano B.

? Keywords: hierarchical Markov random fields | maximizer of posterior marginals | multiresolution data | Natural disasters | supervised classification

? Source Id: 82000

? Author Ids: 56422415400;7101795745;56211628500;7005306316

? Authoraffiliationids: 60032385-60025153;60025153;60032385;60025153

? Corresponding: Hedhli I.

119.

? Title: Air surface temperature estimation from satellite thermal infrared time series and pixelwise modeling of the estimation uncertainty through support vector machines

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Doi: 10.1109/Igarss.2014.6947605

? Scopus ID: 2-s2.0-84911397610

? Pages: 4946-4949

? Authors: Moser Gabriele; De Martino Michaela; Serpico Sebastiano B.

? Keywords: Air temperature estimation | Clark's approximation | expectation-maximization | nonstationary parameter estimation | span bound | support vector machine

? Source Id: 82000

? Author Ids: 7101795745;7102899067;7005306316



? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Moser G.

120.

? Title: Kernel-based classification in complex-valued feature spaces for polarimetric SAR data

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 8

? Doi: 10.1109/Igarss.2014.6946661

? Scopus ID: 2-s2.0-84911360893

? Pages: 1257-1260

? Authors: Moser Gabriele; Serpico Sebastiano B.

? Keywords: Markov random field (MRF) | Polarimetric SAR | reproducing kernel Hilbert space (RKHS) | support vector machine (SVM)

? Source Id: 82000

? Author Ids: 7101795745;7005306316

? Authoraffiliationids: 60025153;60025153

? Corresponding: Moser G.

121.

? Title: Report on the 2014 IEEE GRSS data fusion contest: Multiresolution fusion of thermal hyperspectral and VIS data [technical committees]

? Venue: IEEE Geoscience and Remote Sensing Magazine

? Year: 2014

? Type: Journal

? Subtype: Review

? Citations: 2

? Doi: 10.1109/Mgrs.2014.2346236

? Scopus ID: 2-s2.0-84908281430

? Issn: 24732397

? eISSN: 21686831

? Volume: 2

? Issue: 3

? Pages: 37-39

? Authors: Moser Gabriele; Tuia Devis; Shimoni Michal

? Quartile:

2025:

? Earth and Planetary Sciences (all) (Q1, rank 1, percentile 99)

? Instrumentation (Q1, rank 2, percentile 99)

? Electrical and Electronic Engineering (Q1, rank 10, percentile 99)

? Computer Science (all) (Q1, rank 3, percentile 98)

2014:

? Earth and Planetary Sciences (all) (Q1, rank 42, percentile 75)

? Computer Science (all) (Q2, rank 53, percentile 73)

? Electrical and Electronic Engineering (Q2, rank 211, percentile 67)

? Instrumentation (Q2, rank 33, percentile 67)

? Source Id: 21100338322

? Author Ids: 7101795745;15766793800;55961333800

? Authoraffiliationids: 60025153;60028186;60004280

? Corresponding: Moser G.

122.

? 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;60025153-60102151  
 ? Corresponding: Pellaco L.

123.

? Title: 2014 IEEE GRSS data fusion contest: Multiresolution fusion of thermal hyperspectral and VIS data  
 ? Venue: IEEE Geoscience and Remote Sensing Magazine  
 ? Year: 2014  
 ? Type: Journal  
 ? Subtype: Article  
 ? Citations: 2  
 ? Doi: 10.1109/Mgrs.2014.2303201  
 ? Scopus ID: 2-s2.0-84930346254  
 ? Issn: 24732397  
 ? eISSN: 21686831  
 ? Volume: 2  
 ? Issue: 1  
 ? Pages: 21-22  
 ? Authors: Moser Gabriele; Tuia Devis; Shimoni Michal  
 ? Quartile:  
 2025:  
 ? Earth and Planetary Sciences (all) (Q1, rank 1, percentile 99)  
 ? Instrumentation (Q1, rank 2, percentile 99)  
 ? Electrical and Electronic Engineering (Q1, rank 10, percentile 99)  
 ? Computer Science (all) (Q1, rank 3, percentile 98)  
 2014:  
 ? Earth and Planetary Sciences (all) (Q1, rank 42, percentile 75)  
 ? Computer Science (all) (Q2, rank 53, percentile 73)  
 ? Electrical and Electronic Engineering (Q2, rank 211, percentile 67)  
 ? Instrumentation (Q2, rank 33, percentile 67)  
 ? Source Id: 21100338322  
 ? Author Ids: 7101795745;15766793800;55961333800  
 ? Authoraffiliationids: 60025153;60028186;60004280

? Corresponding: Moser G.

124.

? Title: New cascade model for hierarchical joint classification of multitemporal, multiresolution and multisensor remote sensing data

? Venue: 2014 IEEE International Conference on Image Processing Icip 2014

? Year: 2014

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 12

? Doi: 10.1109/Icip.2014.7026062

? Scopus ID: 2-s2.0-84949926414

? Pages: 5247-5251

? Authors: Hedhli Ihsen; Moser Gabriele; Zerubia Josiane; Serpico Sebastiano B.

? Keywords: hierarchical multiresolution Markov random fields | Image time series | Multitemporal classification

? Source Id: 21100395901

? Author Ids: 56422415400;7101795745;56211628500;7005306316

? Authoraffiliationids: 60032385-60025153;60025153;60032385;60025153

? Corresponding: Hedhli I.

125.

? Title: Supervised classification of multisensor and multiresolution remote sensing images with a hierarchical copula-based approach

? Venue: IEEE Transactions on Geoscience and Remote Sensing

? Year: 2014

? Type: Journal

? Subtype: Article

? Citations: 60

? Doi: 10.1109/Tgrs.2013.2272581

? Scopus ID: 2-s2.0-84896405772

? Issn: 01962892

? Volume: 52

? Issue: 6

? Pages: 3346-3358

? Authors: Voisin Aurelie; Krylov Vladimir A.; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane

? Keywords: Hierarchical Markov random fields (MRFs) | multiresolution data | multisensor remote sensing images | Supervised classification

? Quartile:

2025:

? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)

? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)

2014:

? Earth and Planetary Sciences (all) (Q1, rank 3, percentile 98)

? Electrical and Electronic Engineering (Q1, rank 36, percentile 94)

? Source Id: 17360

? Author Ids: 36659910500;57202676994;7101795745;7005306316;56211628500

? Authoraffiliationids: 60032385;60022148;60025153;60025153;60032385

? Corresponding: Voisin A.

126.

? Title: A multiscale contextual approach to change detection in multisensor VHR remote sensing images

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2013

? Type: Conference Proceeding

? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1109/Igarss.2013.6723567  
? Scopus ID: 2-s2.0-84894261858  
? Pages: 3435-3438  
? Authors: Moser Gabriele; De Martino Michaela; Serpico Sebastiano B.  
? Keywords: Graph cuts | Markov random fields | Multiscale segmentation | Multisensor data fusion | Region-based analysis | Unsupervised change detection  
? Source Id: 82000  
? Author Ids: 7101795745;7102899067;7005306316  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Moser G.

127.

? Title: Multiresolution SAR data fusion for unsupervised change detection  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2013  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? Doi: 10.1109/Igarss.2013.6723003  
? Scopus ID: 2-s2.0-84894251934  
? Pages: 1234-1237  
? Authors: Moser Gabriele; Serpico Sebastiano B.; Vernazza Gianni  
? Keywords: generalized Gaussians | graph cuts | iterated conditional expectation | Markov random fields | Multiresolution fusion | unsupervised change detection  
? Source Id: 82000  
? Author Ids: 7101795745;7005306316;7005048304  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Moser G.

128.

? Title: On the method of logarithmic cumulants for parametric probability density function estimation  
? Venue: IEEE Transactions on Image Processing  
? Year: 2013  
? Type: Journal  
? Subtype: Article  
? Citations: 97  
? Doi: 10.1109/Tip.2013.2262285  
? Scopus ID: 2-s2.0-84883337089  
? Issn: 10577149  
? Volume: 22  
? Issue: 10  
? Pages: 3791-3806  
? Authors: Krylov Vladimir A.; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: generalized gamma distribution | image classification | K-distribution | parameter estimation | Probability density function | strong consistency  
? Quartile:  
2025:  
? Computer Graphics and Computer-Aided Design (Q1, rank 3, percentile 98)  
? Software (Q1, rank 15, percentile 97)  
2013:  
? Computer Graphics and Computer-Aided Design (Q1, rank 2, percentile 97)  
? Software (Q1, rank 14, percentile 96)  
? Subject (Q1, rank 312, percentile 90)

? Source Id: 25534  
? Author Ids: 57202676994;7101795745;7005306316;56211628500  
? Authoraffiliationids: 60022148;60025153;60025153;60032385  
? Corresponding: Krylov V.A.

129.

? Title: Land-cover mapping by markov modeling of spatial-contextual information in very-high-resolution remote sensing images  
? Venue: Proceedings of the IEEE  
? Year: 2013  
? Type: Journal  
? Subtype: Article  
? Citations: 225  
? Doi: 10.1109/Jproc.2012.2211551  
? Scopus ID: 2-s2.0-84947648698  
? Issn: 00189219  
? Volume: 101  
? Issue: 3  
? Pages: 631-651  
? Authors: Moser Gabriele; Serpico Sebastiano B.; Benediktsson Jón Atli  
? Keywords: Data fusion | land-cover mapping | Markov models | Markov random fields | remote sensing image classification  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q1, rank 3, percentile 99)  
? Computer Science (all) (Q1, rank 2, percentile 99)  
2013:  
? Electrical and Electronic Engineering (Q1, rank 7, percentile 98)  
? Source Id: 17915  
? Author Ids: 7101795745;7005306316;7004494483  
? Authoraffiliationids: 60025153;60025153;60071113  
? Corresponding: Moser G.

130.

? Title: False discovery rate approach to image change detection  
? Venue: 2013 IEEE International Conference on Image Processing Icip 2013 Proceedings  
? Year: 2013  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Icip.2013.6738787  
? Scopus ID: 2-s2.0-84897811359  
? Pages: 3820-3824  
? Authors: Krylov Vladimir A.; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: Change detection | false discovery rate | statistical hypothesis testing | still camera  
? Source Id: 21100293204  
? Author Ids: 57202676994;7101795745;7005306316;56211628500  
? Authoraffiliationids: 60032385-60022148;60025153;60025153;60032385  
? Corresponding: Krylov V.A.

131.

? Title: Classification of very high resolution SAR images of urban areas using copulas and texture in a hierarchical Markov random field model  
? Venue: IEEE Geoscience and Remote Sensing Letters  
? Year: 2013  
? Type: Journal

? Subtype: Article  
? Citations: 67  
? Doi: 10.1109/Lgrs.2012.2193869  
? Scopus ID: 2-s2.0-84887622644  
? Issn: 1545598x  
? Volume: 10  
? Issue: 1  
? Pages: 96-100  
? Authors: Voisin Aur<sup>^</sup>lie; Krylov Vladimir A.; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: Hierarchical Markov random fields (MRFs) | Supervised classification | Synthetic aperture radar (SAR) | Textural features | Urban areas | Wavelets  
? Quartile:  
2025:  
? Geotechnical Engineering and Engineering Geology (Q1, rank 22, percentile 91)  
? Electrical and Electronic Engineering (Q1, rank 90, percentile 91)  
2013:  
? Geotechnical Engineering and Engineering Geology (Q1, rank 6, percentile 96)  
? Electrical and Electronic Engineering (Q1, rank 102, percentile 83)  
? Source Id: 17259  
? Author Ids: 36659910500;57202676994;7101795745;7005306316;56211628500  
? Authoraffiliationids: 60013373;60013373;60025153;60025153;60013373  
? Corresponding: Voisin A.

132.

? Title: Combining support vector machines and Markov random fields in an integrated framework for contextual image classification  
? Venue: IEEE Transactions on Geoscience and Remote Sensing  
? Year: 2013  
? Type: Journal  
? Subtype: Article  
? Citations: 164  
? Doi: 10.1109/Tgrs.2012.2211882  
? Scopus ID: 2-s2.0-84885019653  
? Issn: 01962892  
? Volume: 51  
? Issue: 5  
? Pages: 2734-2752  
? Authors: Moser Gabriele; Serpico Sebastiano B.  
? Keywords: Contextual image classification | Ho-Kashyap algorithm | Markov random fields | Powell algorithm | Span bound | Support vector machines (SVMs)  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)  
2013:  
? Earth and Planetary Sciences (all) (Q1, rank 3, percentile 98)  
? Electrical and Electronic Engineering (Q1, rank 34, percentile 94)  
? Source Id: 17360  
? Author Ids: 7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Moser G.

133.

? Title: Mapping natural and urban environments using airborne multi-sensor ADS40-MIVIS-LiDAR synergies

? Venue: International Journal of Applied Earth Observation and Geoinformation  
? Year: 2013  
? Type: Journal  
? Subtype: Article  
? Citations: 32  
? DOI: 10.1016/j.jag.2012.10.004  
? Scopus ID: 2-s2.0-84880251530  
? Issn: 15698432  
? eISSN: 1872826X  
? Volume: 23  
? Issue: 1  
? Pages: 313-323  
? Authors: Forzieri Giovanni; Tanteri Luca; Moser Gabriele; Catani Filippo  
? Keywords: ADS40 | Data fusion | Land use/cover classification | LiDAR | MIVIS | Urban/rural landscapes  
? Quartile:  
2025:  
? Earth-Surface Processes (Q1, rank 3, percentile 98)  
? Computers in Earth Sciences (Q1, rank 3, percentile 96)  
? Global and Planetary Change (Q1, rank 7, percentile 94)  
? Management, Monitoring, Policy and Law (Q1, rank 22, percentile 94)  
2013:  
? Management, Monitoring, Policy and Law (Q1, rank 25, percentile 88)  
? Earth-Surface Processes (Q1, rank 20, percentile 84)  
? Computers in Earth Sciences (Q1, rank 4, percentile 84)  
? Global and Planetary Change (Q2, rank 15, percentile 70)  
? Source Id: 39563  
? Author Ids: 23488498600;55373096300;7101795745;7003483555  
? Authoraffiliationids: 60103695-60021859;60021859;60025153;60021859  
? Corresponding: Forzieri G.

134.

? Title: A textural-contextual model for unsupervised segmentation of multipolarization synthetic aperture radar images  
? Venue: IEEE Transactions on Geoscience and Remote Sensing  
? Year: 2013  
? Type: Journal  
? Subtype: Article  
? Citations: 46  
? Doi: 10.1109/Tgrs.2012.2211367  
? Scopus ID: 2-s2.0-84875698943  
? Issn: 01962892  
? Volume: 51  
? Issue: 4  
? Pages: 2442-2453  
? Authors: Akbari Vahid; Doulgeris Anthony P.; Moser Gabriele; Eltoft Torbjorn; Anfinssen Stian N.; Serpico Sebastiano B.  
? Keywords: K-Wishart distribution | Markov random field (MRF) | polarimetric synthetic aperture radar (PolSAR) | stochastic expectation maximization (SEM) | unsupervised segmentation  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)  
2013:

? Earth and Planetary Sciences (all) (Q1, rank 3, percentile 98)  
? Electrical and Electronic Engineering (Q1, rank 34, percentile 94)  
? Source Id: 17360  
? Author Ids: 57073546600;23011573300;7101795745;35585249500;6504079727;7005306316  
? Authoraffiliationids: 60021255;60021255;60025153;60021255;60021255;60025153  
? Corresponding: Akbari V.

135.

? Title: Change detection with synthetic aperture radar images by Wilcoxon statistic likelihood ratio test  
? Venue: Proceedings International Conference on Image Processing Icip  
? Year: 2012  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 12  
? Doi: 10.1109/Icip.2012.6467304  
? Scopus ID: 2-s2.0-84875854142  
? Issn: 15224880  
? Pages: 2093-2096  
? Authors: Krylov Vladimir A.; Moser Gabriele; Voisin Aurélie; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: Change detection | hypothesis test | likelihood ratio test | synthetic aperture radar | Wilcoxon statistic  
? 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: 57202676994;7101795745;36659910500;7005306316;56211628500  
? Authoraffiliationids: 60032385;60025153;60032385;60025153;60032385  
? Corresponding: Krylov V.

136.

? Title: Development and validation of multitemporal image analysis methodologies for multirisk monitoring of critical structures and infrastructures  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2012  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Igarss.2012.6352359  
? Scopus ID: 2-s2.0-84873207889  
? Pages: 5506-5509  
? Authors: Serpico Sebastiano B.; Bruzzone Lorenzo; Corsini Giovanni; Emery William J.; Gamba Paolo; Garzelli Andrea; Mercier Gregoire; Zerubia Josiane; Acito Nicola; Aiazzi Bruno; Bovolo Francesca; Dell'Acqua Fabio; De Martino Michaela; Diani Marco; Krylov Vladimir; Lisini Gianni; Marin Carlo; Moser Gabriele; Voisin Aurelie; Zoppetti Claudia  
? Keywords: change detection | data fusion | feature extraction | infrastructures | Multirisk monitoring | urban areas  
? Source Id: 82000  
? Author Ids: 7005306316;7006892410;7103074007;35598959400;7007165803;7004594292;59631024000;56211628500;8390872300;7004905120;9943212600;57196114762;7102899067;7003735775;57202676994;6602456693;52663910700;7101795745;36659910500;52664578200  
? Authoraffiliationids: 60025153;60015986;60028868;60000221;60015197;60002838-60002324;60104222;60032385;60028868;60002838-



60002324;60015986;60015197;60025153;60028868;60032385;60015197;60015986;60025153;60032385;60002838-60002324

? Corresponding: Serpico S.B.

137.

? Title: Unsupervised change detection with high-resolution SAR images by edge-preserving Markov random fields and graph-cuts

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2012

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 10

? Doi: 10.1109/Igarss.2012.6351112

? Scopus ID: 2-s2.0-84873158680

? Pages: 1984-1987

? Authors: Moser Gabriele; Serpico Sebastiano B.

? Keywords: expectation-maximization | graph cuts | line processes | Markov random fields | method of log-cumulants | Unsupervised change detection

? Source Id: 82000

? Author Ids: 7101795745;7005306316

? Authoraffiliationids: 60025153;60025153

? Corresponding: Moser G.

138.

? Title: Extracting information from remote sensing data for applications to flood monitoring and damage evaluation

? Venue: Proceedings of the 2012 Tyrrhenian Workshop on Advances in Radar and Remote Sensing from Earth Observation to Homeland Security Tywrrs 2012

? Year: 2012

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? DOI: 10.1109/TyWRRS.2012.6381142

? Scopus ID: 2-s2.0-84872038244

? Pages: 275-282

? Authors: Serpico Sebastiano B.; Dellepiane Silvana; Moser Gabriele; Angiati Elena; Boni Giorgio; Rudari Roberto; Candela Laura

? Source Id: 21100225602

? Author Ids:

7005306316;7004291247;7101795745;24075443000;7004208139;6507764404;8569203700

? Authoraffiliationids:

60025153;60025153;60025153;60025153;112224719;112224719;60031612

? Corresponding: Serpico S.B.

139.

? Title: Markov random field models for supervised land cover classification from very high resolution multispectral remote sensing images

? Venue: Proceedings of the 2012 Tyrrhenian Workshop on Advances in Radar and Remote Sensing from Earth Observation to Homeland Security Tywrrs 2012

? Year: 2012

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 7

? DOI: 10.1109/TyWRRS.2012.6381135

? Scopus ID: 2-s2.0-84872029486

? Pages: 235-242

? Authors: Moser Gabriele; Serpico Sebastiano B.; Benediktsson Jon Atli

? Source Id: 21100225602  
? Author Ids: 7101795745;7005306316;7004494483  
? Authoraffiliationids: 60025153;60025153;60071113  
? Corresponding: Moser G.

140.

? Title: Classification of multi-sensor remote sensing images using an adaptive hierarchical Markovian model  
? Venue: European Signal Processing Conference  
? Year: 2012  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Scopus ID: 2-s2.0-84869756266  
? Issn: 22195491  
? Pages: 2511-2515  
? Authors: Voisin Aur<sup>^</sup>lie; Krylov Vladimir A.; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: copulas | discrete wavelet transform | hierarchical Markov random fields | multi-sensor data | Supervised classification  
? Quartile:  
2025:  
? Signal Processing (Q3, rank 109, percentile 44)  
? Electrical and Electronic Engineering (Q3, rank 573, percentile 42)  
? Source Id: 21100204301  
? Author Ids: 36659910500;57202676994;7101795745;7005306316;56211628500  
? Authoraffiliationids: 60032385;60032385;60025153;60025153;60032385  
? Corresponding: Voisin A.

141.

? Title: Assessment of hyperspectral MIVIS sensor capability for heterogeneous landscape classification  
? Venue: ISPRS Journal of Photogrammetry and Remote Sensing  
? Year: 2012  
? Type: Journal  
? Subtype: Article  
? Citations: 18  
? DOI: 10.1016/j.isprsjprs.2012.09.011  
? Scopus ID: 2-s2.0-84868228204  
? Issn: 09242716  
? Volume: 74  
? Pages: 175-184  
? Authors: Forzieri Giovanni; Moser Gabriele; Catani Filippo  
? Keywords: Classification | Complex land covers/uses | Feature reduction | Hyperspectral | MIVIS  
? Quartile:  
2025:  
? Computers in Earth Sciences (Q1, rank 2, percentile 98)  
? Engineering (miscellaneous) (Q1, rank 8, percentile 97)  
? Computer Science Applications (Q1, rank 28, percentile 97)  
? Atomic and Molecular Physics, and Optics (Q1, rank 11, percentile 95)  
2012:  
? Subject (Q1, rank 12, percentile 97)  
? Engineering (miscellaneous) (Q1, rank 3, percentile 92)  
? Computers in Earth Sciences (Q1, rank 2, percentile 92)  
? Atomic and Molecular Physics, and Optics (Q1, rank 12, percentile 92)

- ? Computer Science Applications (Q1, rank 50, percentile 89)  
 ? Source Id: 29161  
 ? Author Ids: 23488498600;7101795745;7003483555  
 ? Authoraffiliationids: 60103695-60021859;60025153;60021859  
 ? Corresponding: Forzieri G.
- 142.
- ? Title: Multichannel hierarchical image classification using multivariate copulas  
 ? Venue: Proceedings of SPIE the International Society for Optical Engineering  
 ? Year: 2012  
 ? Type: Conference Proceeding  
 ? Subtype: Conference Paper  
 ? Citations: 7  
 ? Doi: 10.1117/12.917298  
 ? Scopus ID: 2-s2.0-84857942719  
 ? Issn: 0277786x  
 ? Volume: 8296  
 ? Authors: Voisin Aur<sup>^</sup>lie; Krylov Vladimir A.; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane  
 ? Keywords: hierarchical Markov random fields | histological images | marginal posterior mode (MPM) | mixture models | multichannel data | multivariate copulas | supervised classification | synthetic aperture radar (SAR) | wavelet transform  
 ? 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)  
 2012:  
 ? Electrical and Electronic Engineering (Q3, rank 387, percentile 37)  
 ? Condensed Matter Physics (Q3, rank 274, percentile 29)  
 ? Computer Science Applications (Q3, rank 343, percentile 26)  
 ? Electronic, Optical and Magnetic Materials (Q3, rank 143, percentile 25)  
 ? Applied Mathematics (Q3, rank 296, percentile 25)  
 ? Source Id: 40067  
 ? Author Ids: 36659910500;57202676994;7101795745;7005306316;56211628500  
 ? Authoraffiliationids: 60032385;60032385;60025153;60025153;60032385  
 ? Corresponding: Voisin A.
- 143.
- ? Title: Information extraction from remote sensing images for flood monitoring and damage evaluation  
 ? Venue: Proceedings of the IEEE  
 ? Year: 2012  
 ? Type: Journal  
 ? Subtype: Article  
 ? Citations: 66  
 ? Doi: 10.1109/Jproc.2012.2198030  
 ? Scopus ID: 2-s2.0-84866550700  
 ? Issn: 00189219  
 ? Volume: 100  
 ? Issue: 10  
 ? Pages: 2946-2970  
 ? Authors: Serpico Sebastiano B.; Dellepiane Silvana; Boni Giorgio; Moser Gabriele;

Angiati Elena; Rudari Roberto

? Keywords: Damage evaluation | flood modeling | flood monitoring | image processing | pattern recognition | rapid mapping | remote sensing

? Quartile:

2025:

? Electrical and Electronic Engineering (Q1, rank 3, percentile 99)

? Computer Science (all) (Q1, rank 2, percentile 99)

2012:

? Electrical and Electronic Engineering (Q1, rank 3, percentile 99)

? Source Id: 17915

? Author Ids: 7005306316;7004291247;7004208139;7101795745;24075443000;6507764404

? Authoraffiliationids:

60025153;60025153;60025153-113086164;60025153;60025153;60025153-113086164

? Corresponding: Serpico S.B.

144.

? Title: Automatic extraction of ellipsoidal features for planetary image registration

? Venue: IEEE Geoscience and Remote Sensing Letters

? Year: 2012

? Type: Journal

? Subtype: Article

? Citations: 42

? Doi: 10.1109/Lgrs.2011.2161263

? Scopus ID: 2-s2.0-84655167239

? Issn: 1545598x

? Volume: 9

? Issue: 1

? Pages: 95-99

? Authors: Troglio Giulia; Le Moigne Jacqueline; Benediktsson Jn Atli; Moser Gabriele; Serpico Sebastiano B.

? Keywords: Crater detection | feature extraction | Hough transform | watershed segmentation

? Quartile:

2025:

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

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

2012:

? Geotechnical Engineering and Engineering Geology (Q1, rank 5, percentile 97)

? Electrical and Electronic Engineering (Q1, rank 89, percentile 85)

? Source Id: 17259

? Author Ids: 26322168600;55664867700;7004494483;7101795745;7005306316

? Authoraffiliationids: 60071113-60025153;60006337;60071113;60025153;60071113

? Corresponding: Troglio G.

145.

? Title: Multitemporal region-based classification of high-resolution images by Markov random fields and multiscale segmentation

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2011

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 8

? Doi: 10.1109/Igarss.2011.6048908

? Scopus ID: 2-s2.0-80955172246

? Pages: 102-105

? Authors: Moser Gabriele; Serpico Sebastiano B.

? Keywords: high-resolution images | Markov random fields | multiscale segmentation | Multitemporal image classification | region-based classification  
? Source Id: 82000  
? Author Ids: 7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Moser G.

146.

? Title: A K-Wishart Markov random field model for clustering of polarimetric SAR imagery  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2011  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 6  
? Doi: 10.1109/Igarss.2011.6049317  
? Scopus ID: 2-s2.0-80955151174  
? Pages: 1357-1360  
? Authors: Akbari V.; Moser G.; Doulgeris A. P.; Anfinson S. N.; Eltoft T.; Serpico S. B.  
? Keywords: expectation-maximization (EM) | K-Wishart | Markov Random Field (MRF) | Polarimetric synthetic aperture radar (PolSAR) | statistical modeling  
? Source Id: 82000  
? Author Ids: 57073546600;7101795745;23011573300;6504079727;35585249500;7005306316  
? Authoraffiliationids: 60021255;60025153;60021255;60021255;60021255;60025153  
? Corresponding: Akbari V.

147.

? Title: Contextual high-resolution image classification by Markovian data fusion, adaptive texture extraction, and multiscale segmentation  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2011  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 7  
? Doi: 10.1109/Igarss.2011.6049402  
? Scopus ID: 2-s2.0-80955131974  
? Pages: 1155-1158  
? Authors: Moser Gabriele; Serpico Sebastiano B.  
? Keywords: adaptive texture extraction | High resolution image classification | Markov random fields | multiscale segmentation | multivariate semivariogram.  
? Source Id: 82000  
? Author Ids: 7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Moser G.

148.

? Title: Joint classification of panchromatic and multispectral images by multiresolution fusion through Markov random fields and graph cuts  
? Venue: 17th DSP 2011 International Conference on Digital Signal Processing Proceedings  
? Year: 2011  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 11  
? Doi: 10.1109/Icdsp.2011.6005014  
? Scopus ID: 2-s2.0-80053149706

? Authors: Moser Gabriele; Serpico Sebastiano B.  
? Keywords: expectation-maximization | graph cuts | Ho-Kashyap's algorithm | Markov random fields | Multiresolution image classification  
? Source Id: 19900194917  
? Author Ids: 7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Moser G.

149.

? Title: Multiscale unsupervised change detection on optical images by Markov random fields and Wavelets  
? Venue: IEEE Geoscience and Remote Sensing Letters  
? Year: 2011  
? Type: Journal  
? Subtype: Article  
? Citations: 64  
? Doi: 10.1109/Lgrs.2010.2102333  
? Scopus ID: 2-s2.0-79959748493  
? Issn: 1545598x  
? Volume: 8  
? Issue: 4  
? Pages: 725-729  
? Authors: Moser Gabriele; Angiati Elena; Serpico Sebastiano B.  
? Keywords: Besag's algorithm | discrete wavelet transforms | expectationmaximization (EM) | Markov random fields (MRFs) | multiscale change detection | unsupervised change detection  
? Quartile:  
2025:  
? Geotechnical Engineering and Engineering Geology (Q1, rank 22, percentile 91)  
? Electrical and Electronic Engineering (Q1, rank 90, percentile 91)  
2011:  
? Geotechnical Engineering and Engineering Geology (Q1, rank 4, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 103, percentile 82)  
? Source Id: 17259  
? Author Ids: 7101795745;24075443000;7005306316  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Moser G.

150.

? Title: Supervised high-resolution dual-polarization SAR image classification by finite mixtures and copulas  
? Venue: IEEE Journal on Selected Topics in Signal Processing  
? Year: 2011  
? Type: Journal  
? Subtype: Article  
? Citations: 67  
? Doi: 10.1109/Jstsp.2010.2103925  
? Scopus ID: 2-s2.0-79957440319  
? Issn: 19324553  
? Volume: 5  
? Issue: 3  
? Pages: 554-566  
? Authors: Krylov Vladimir A.; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: Copula | dictionary-based pdf estimation | Markov random field | polarimetric synthetic aperture radar | probability density function (pdf) | supervised classification

? Quartile:

2025:

? Signal Processing (Q1, rank 1, percentile 99)

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

2011:

? Signal Processing (Q1, rank 1, percentile 99)

? Electrical and Electronic Engineering (Q1, rank 16, percentile 97)

? Source Id: 5900153311

? Author Ids: 57202676994;7101795745;7005306316;56211628500

? Authoraffiliationids: 60007457-60110719;60025153;60025153;60110719

? Corresponding: Krylov V.

151.

? Title: Enhanced dictionary-based SAR amplitude distribution estimation and its validation with very high-resolution data

? Venue: IEEE Geoscience and Remote Sensing Letters

? Year: 2011

? Type: Journal

? Subtype: Article

? Citations: 42

? Doi: 10.1109/Lgrs.2010.2053517

? Scopus ID: 2-s2.0-78650964359

? Issn: 1545598x

? Volume: 8

? Issue: 1

? Pages: 148-152

? Authors: Krylov Vladimir A.; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane

? Keywords: Finite mixture models | parametric estimation | probability density function estimation | stochastic expectation maximization (SEM) | synthetic aperture radar (SAR) images

? Quartile:

2025:

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

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

2011:

? Geotechnical Engineering and Engineering Geology (Q1, rank 4, percentile 97)

? Electrical and Electronic Engineering (Q1, rank 103, percentile 82)

? Source Id: 17259

? Author Ids: 57202676994;7101795745;7005306316;56211628500

? Authoraffiliationids: 60007457;60025153;60025153;60110719

? Corresponding: Krylov V.

152.

? Title: Classification of very high resolution SAR images of urban areas by dictionary-based mixture models, copulas and Markov random fields using textural features

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

? Year: 2010

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 10

? Doi: 10.1117/12.865023

? Scopus ID: 2-s2.0-78649752714

? Issn: 0277786x

? Volume: 7830

? Authors: Voisin Aur<sup>^</sup>lie; Moser Gabriele; Krylov Vladimir A.; Serpico Sebastiano B.;

Zerubia Josiane

? Keywords: Copulas | Markov Random Fields | Supervised classification | Synthetic Aperture Radar (SAR) | Textural features | Urban areas

? 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: 36659910500;7101795745;57202676994;7005306316;56211628500

? Authoraffiliationids: 60032385;60025153;60032385-60007457;60025153;60032385

? Corresponding: Voisin A.

153.

? Title: Multichannel SAR image classification by finite mixtures, copula theory and Markov random fields

? Venue: Aip Conference Proceedings

? Year: 2010

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1063/1.3573633

? Scopus ID: 2-s2.0-79954566783

? Issn: 0094243x

? eISSN: 15517616

? Volume: 1305

? Pages: 319-326

? Authors: Krylov Vladimir A.; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane

? Keywords: amplitude | classification | copula | dictionary | Markov random field | multichannel SAR | probability density function estimation

? Quartile:

2025:

? Physics and Astronomy (all) (Q4, rank 221, percentile 11)

? Source Id: 26916

? Author Ids: 57202676994;7101795745;7005306316;56211628500

? Authoraffiliationids: 60007457-60032385;60025153;60025153;60032385

? Corresponding: Krylov V.A.

154.

? Title: A Markovian generalization of support vector machines for contextual supervised classification of hyperspectral images

? Venue: 2nd Workshop on Hyperspectral Image and Signal Processing Evolution in Remote Sensing Whispers 2010 Workshop Program

? Year: 2010

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? Doi: 10.1109/Whispers.2010.5594967

? Scopus ID: 2-s2.0-78649295409

? Authors: Moser Gabriele; Serpico Sebastiano B.

? Keywords: Band extraction | Hyperspectral image classification | Markov random fields | Support vector machines

? Source Id: 19700182426



? Author Ids: 7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Moser G.

155.

? Title: High resolution SAR-image classification by Markov random fields and finite mixtures  
? Venue: Proceedings of SPIE the International Society for Optical Engineering  
? Year: 2010  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 10  
? Doi: 10.1117/12.838594  
? Scopus ID: 2-s2.0-77952035665  
? Issn: 0277786x  
? Volume: 7533  
? Authors: Moser Gabriele; Krylov Vladimir; Serpico Sebastiano B.; Zerubia Josiane  
? Keywords: Amplitude probability density | Copula | Dictionary | Markov random field | SAR image classification | Stochastic expectation maximization  
? 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: 7101795745;57202676994;7005306316;56211628500  
? Authoraffiliationids: 60025153;60007457-60032385;60025153;60032385  
? Corresponding: Moser G.

156.

? Title: Riparian vegetation mapping for hydraulic roughness estimation using very high resolution remote sensing data fusion  
? Venue: Journal of Hydraulic Engineering  
? Year: 2010  
? Type: Journal  
? Subtype: Article  
? Citations: 53  
? Doi: 10.1061/(Asce)Hy.1943-7900.0000254  
? Scopus ID: 2-s2.0-77957936177  
? Issn: 07339429  
? Volume: 136  
? Issue: 11  
? Pages: 855-867  
? Authors: Forzieri Giovanni; Moser Gabriele; Vivoni Enrique R.; Castelli Fabio; Canovaro Francesco  
? Keywords: Flow resistance | Hydraulic roughness | Hydrodynamics | Hydrologic models | Remote sensing | Vegetation  
? Quartile:  
2025:  
? Mechanical Engineering (Q2, rank 285, percentile 61)  
? Civil and Structural Engineering (Q2, rank 165, percentile 60)  
? Water Science and Technology (Q2, rank 120, percentile 57)  
? Source Id: 16283

? Author Ids: 23488498600;7101795745;6603256951;7102139089;23026989700  
? Authoraffiliationids: 60021859-60028844;60025153;60139200-60028844;60021859;101141678  
? Corresponding: Forzieri G.

157.

? Title: Assimilation of SVM-based estimates of land surface temperature for the retrieval of surface energy balance components  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2010  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1109/Igarss.2010.5654392  
? Scopus ID: 2-s2.0-78650917927  
? Pages: 3668-3671  
? Authors: Boni Giorgio; Martina Federica; Moser Gabriele; Serpico Sebastiano B.  
? Source Id: 82000  
? Author Ids: 7004208139;57521609300;7101795745;7005306316  
? Authoraffiliationids: 126813332;126813332;60025153;60025153  
? Corresponding: Boni G.

158.

? Title: Crater detection based on marked point processes  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2010  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 6  
? Doi: 10.1109/Igarss.2010.5651044  
? Scopus ID: 2-s2.0-78650912729  
? Pages: 1378-1381  
? Authors: Troglio Giulia; Benediktsson Jon A.; Moser Gabriele; Serpico Sebastiano B.  
? Source Id: 82000  
? Author Ids: 26322168600;7004494483;7101795745;7005306316  
? Authoraffiliationids: 60025153-60071113;60071113;60025153;60025153  
? Corresponding: Troglio G.

159.

? Title: Unsupervised change detection with very high-resolution SAR images by multiscale analysis and Markov random fields  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2010  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 6  
? Doi: 10.1109/Igarss.2010.5652435  
? Scopus ID: 2-s2.0-78650903027  
? Pages: 3082-3085  
? Authors: Moser Gabriele; Serpico Sebastiano B.  
? Keywords: Generalized Gaussian distribution | Markov random fields | Unsupervised change detection | Very-high resolution synthetic aperture radar | Wavelets  
? Source Id: 82000  
? Author Ids: 7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Moser G.

160.

? Title: Contextual remote-sensing image classification by support vector machines and

Markov random fields

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2010

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 10

? Doi: 10.1109/Igarss.2010.5651182

? Scopus ID: 2-s2.0-78650861785

? Pages: 3728-3731

? Authors: Moser Gabriele; Serpico Sebastiano B.

? Keywords: Hierarchical clustering | Markov random fields | Parameter optimization |

Support vector machines

? Source Id: 82000

? Author Ids: 7101795745;7005306316

? Authoraffiliationids: 60025153;60025153

? Corresponding: Moser G.

161.

? Title: Unsupervised change-detection in retinal images by a multiple-classifier approach

? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics

? Year: 2010

? Type: Book Series

? Subtype: Conference Paper

? Citations: 12

? Doi: 10.1007/978-3-642-12127-2\_10

? Scopus ID: 2-s2.0-77952033677

? Issn: 03029743

? eISSN: 16113349

? Volume: 5997 Lncs

? Pages: 94-103

? Authors: Troglio Giulia; Alberti Marina; Benediksson Jón Atli; Moser Gabriele; Serpico Sebastiano Bruno; Stefánsson Einar

? Keywords: Bioimaging | Change detection | Multiple classifiers

? Quartile:

2025:

? Theoretical Computer Science (Q3, rank 70, percentile 48)

? Computer Science (all) (Q3, rank 129, percentile 46)

? Source Id: 25674

? Author Ids: 26322168600;7006310989;36019878600;7101795745;7005306316;7005607082

? Authoraffiliationids: 60025153-60071113;60025153;60071113;60025153;60025153;60071113

? Corresponding: Troglio G.

162.

? Title: Edge-preserving classification of high-resolution remote-sensing images by Markovian data fusion

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2009

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 9

? Doi: 10.1109/Igarss.2009.5417489

? Scopus ID: 2-s2.0-77951274144

? Volume: 4

? Pages: IV765-IV768

? Authors: Moser Gabriele; Serpico Sebastiano B.  
? Keywords: Edge-preserving modeling | Line processes | Markovian data-fusion | Very high resolution images  
? Source Id: 82000  
? Author Ids: 7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Moser G.

163.

? Title: Automatic unsupervised classification of snow-covered areas by decision-tree classification and minimum-error thresholding  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2009  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Doi: 10.1109/Igarss.2009.5418270  
? Scopus ID: 2-s2.0-77951132282  
? Volume: 2  
? Pages: II1000-II1003  
? Authors: Macchiavello Giorgia; Moser Gabriele; Boni Giorgio; Serpico Sebastiano B.  
? Keywords: Image classification | Snow | Tree data structures | Unsupervised learning  
? Source Id: 82000  
? Author Ids: 8203206000;7101795745;7004208139;7005306316  
? Authoraffiliationids: 102075139;60025153;102075139;60025153  
? Corresponding: Macchiavello G.

164.

? Title: A contextual multiscale unsupervised method for change detection with multitemporal remote-sensing images  
? Venue: Isda 2009 9th International Conference on Intelligent Systems Design and Applications  
? Year: 2009  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 6  
? Doi: 10.1109/Isda.2009.102  
? Scopus ID: 2-s2.0-77949507718  
? Pages: 572-577  
? Authors: Moser Gabriele; Angiati Elena; Serpico Sebastiano B.  
? Keywords: Besag's algorithm | Discrete wavelet transforms | Expectation-maximization | Markov random fields | Multiscale change detection | Unsupervised change detection  
? Source Id: 19700167108  
? Author Ids: 7101795745;24075443000;7005306316  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Moser G.

165.

? Title: Land and Sea Surface Temperature Estimation by Support Vector Regression  
? Venue: Kernel Methods for Remote Sensing Data Analysis  
? Year: 2009  
? Type: Book  
? Subtype: Book Chapter  
? Citations: 4  
? DOI: 10.1002/9780470748992.ch13  
? Scopus ID: 2-s2.0-67651169838  
? Pages: 301-325

? Authors: Moser Gabriele; Serpico Sebastiano B.  
? Keywords: Generalization-error bound concepts used by PSB | Land and sea surface temperature estimation by support vector regression | Land surface temperature (LST) and sea surface temperature (SST) and role in environmental models | LST - hydrological and meteorological models and satellite infrared remote sensing | Pixelwise probability distribution of SVR error | Pointwise statistical modelling of SVR error | SEVIRI instrument on board Meteosat Second Generation (MSG) | Split-window techniques (SWTs) in multiple TIR channels | Support vector classification (SVC) | SVR framework methods - automating parameter-optimization processes  
? Source Id: 21100270670  
? Author Ids: 7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Moser G.

166.

? Title: Unsupervised change detection from multichannel SAR data by Markovian data fusion  
? Venue: IEEE Transactions on Geoscience and Remote Sensing  
? Year: 2009  
? Type: Journal  
? Subtype: Article  
? Citations: 110  
? Doi: 10.1109/Tgrs.2009.2012407  
? Scopus ID: 2-s2.0-84870949573  
? Issn: 01962892  
? Volume: 47  
? Issue: 7  
? Pages: 2114-2128  
? Authors: Moser Gabriele; Serpico Sebastiano B.  
? Keywords: Change detection | Data fusion | Expectation maximization (EM) | Markov random fields (MRFs) | Multichannel SAR | Synthetic aperture radar (SAR)  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)  
? Source Id: 17360  
? Author Ids: 7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153-113259183  
? Corresponding: Moser G.

167.

? Title: Modeling the error statistics in support vector regression of surface temperature from infrared data  
? Venue: IEEE Geoscience and Remote Sensing Letters  
? Year: 2009  
? Type: Journal  
? Subtype: Article  
? Citations: 21  
? Doi: 10.1109/Lgrs.2009.2015777  
? Scopus ID: 2-s2.0-67651154157  
? Issn: 1545598x  
? Volume: 6  
? Issue: 3  
? Pages: 448-452  
? Authors: Moser Gabriele; Serpico Sebastiano B.  
? Keywords: Error estimation | Land surface temperature (LST) | Sea surface temperature

(SST) | Supervised regression | Support vector machines (SVMs)

? Quartile:

2025:

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

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

? Source Id: 17259

? Author Ids: 7101795745;7005306316

? Authoraffiliationids: 60025153;60025153

? Corresponding: Moser G.

168.

? Title: Dictionary-based probability density function estimation for High-resolution SAR data

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

? Year: 2009

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 8

? Doi: 10.1117/12.816102

? Scopus ID: 2-s2.0-65649102654

? Issn: 0277786x

? Volume: 7246

? Authors: Krylov Vladimir; Moser Gabriele; Serpico Sebastiano B.; Zerubia Josiane

? Keywords: Nite mixture models | Parametric estimation | Probability density function (pdf) | Stochastic expectation maximization (SEM) | Synthetic aperture radar (SAR) image

? 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: 57202676994;7101795745;7005306316;56211628500

? Authoraffiliationids: 60007457-60032385;60025153;60025153;60032385

? Corresponding: Krylov V.

169.

? Title: Automatic parameter optimization for support vector regression for land and sea surface temperature estimation from remote sensing data

? Venue: IEEE Transactions on Geoscience and Remote Sensing

? Year: 2009

? Type: Journal

? Subtype: Article

? Citations: 58

? Doi: 10.1109/Tgrs.2008.2005993

? Scopus ID: 2-s2.0-61349168387

? Issn: 01962892

? Volume: 47

? Issue: 3

? Pages: 909-921

? Authors: Moser Gabriele; Serpico Sebastiano B.

? Keywords: Generalization error bounds | Land surface temperature (LST) | Powell's method | Sea surface temperature (SST) | Supervised regression | Support vector

machines (SVMs)

? Quartile:

2025:

? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)

? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)

? Source Id: 17360

? Author Ids: 7101795745;7005306316

? Authoraffiliationids: 60025153-105502276;60025153-105502276

? Corresponding: Moser G.

170.

? Title: Contextual classification of multisensor optical-sar remote sensing images

? Venue: Handbook of Pattern Recognition and Computer Vision Fourth Edition

? Year: 2009

? Type: Book

? Subtype: Book Chapter

? Citations: 1

? Doi: 10.1142/9789814273398\_0013

? Scopus ID: 2-s2.0-84962548803

? Pages: 307-328

? Authors: Moser Gabriele; Gaetano Raffaele; Poggi Gianni; Scarpa Giuseppe; Serpico Sebastiano B.

? Source Id: 21100462851

? Author Ids: 7101795745;23491959900;7005255639;7004081145;7005306316

? Authoraffiliationids: 60025153;60017293;60017293;60017293;60025153

? Corresponding: Moser G.

171.

? Title: An a-contrario approach for unsupervised change detection in radar images

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2009

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 6

? Doi: 10.1109/Igarss.2009.5417327

? Scopus ID: 2-s2.0-77951267692

? Volume: 4

? Pages: 240-243

? Authors: Robin A.; Mercier G.; Moser G.; Serpico S.

? Keywords: Change detection | Kullback-Leibler divergence | Multiscale | Radar images

? Source Id: 82000

? Author Ids: 25223456100;59631024000;7101795745;7005306316

? Authoraffiliationids: 60008134-60016218;60008134;60025153;60025153

? Corresponding: Robin A.

172.

? Title: Automatic change detection of retinal images

? Venue: Ifmbe Proceedings

? Year: 2009

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 6

? Doi: 10.1007/978-3-642-03891-4\_75

? Scopus ID: 2-s2.0-77950163758

? Issn: 16800737

? Volume: 25

? Issue: 11

? Pages: 281-284  
? Authors: Troglio G.; Nappo A.; Benediktsson J. A.; Moser G.; Serpico S. B.; Stefansson E.  
? Quartile:  
2025:  
? Bioengineering (Q4, rank 164, percentile 3)  
? Biomedical Engineering (Q4, rank 326, percentile 2)  
? Source Id: 19400157277  
? Author Ids: 26322168600;23493146800;7004494483;7101795745;7005306316;7005607082  
? Authoraffiliationids: 60025153-60071113;60025153;60071113;60025153;60025153;60071113  
? Corresponding: Troglio G.

173.

? Title: Automatic extraction of planetary image features  
? Venue: Proceedings 2009 3rd IEEE International Conference on Space Mission Challenges for Information Technology Smc IT 2009  
? Year: 2009  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 9  
? Doi: 10.1109/Smc-It.2009.32  
? Scopus ID: 2-s2.0-70449110223  
? Pages: 211-215  
? Authors: Troglio G.; Benediktsson J. A.; Moser G.; Serpico S. B.; Moigne J. Le  
? Keywords: Crater detection | Feature extraction | Image registration | Image segmentation  
? Source Id: 19400157529  
? Author Ids: 26322168600;7004494483;7101795745;7005306316;55664867700  
? Authoraffiliationids: 60071113-60025153;60071113;60025153;60025153;60006337  
? Corresponding: Troglio G.

174.

? Title: Study of information content of SAR images  
? Venue: 2008 IEEE Radar Conference Radar 2008  
? Year: 2008  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? Doi: 10.1109/Radar.2008.4720890  
? Scopus ID: 2-s2.0-61849148891  
? Authors: Aragone M.; Caridi A.; Serpico S. B.; Moser G.; Cerra D.; Datcu M.  
? Keywords: Gauss Markov Random Fields (GMRF) | Information Theory (IT) | Sar  
? Source Id: 16800154720  
? Author Ids: 6508236539;36940071500;7005306316;7101795745;26666527700;7004523124  
? Authoraffiliationids: 60025153;60025153;60007798;60007798;60004903;60007798-60004903  
? Corresponding: Aragone M.

175.

? Title: Unsupervised change detection from multichannel SAR data by Markov random fields  
? Venue: Studies in Computational Intelligence  
? Year: 2008  
? Type: Book Series  
? Subtype: Article  
? Citations: 0  
? Doi: 10.1007/978-3-540-79353-3\_15  
? Scopus ID: 2-s2.0-51849099922



? Issn: 1860949x  
? Volume: 133  
? Pages: 363-388  
? Authors: Serpico Sebastiano B.; Moser Gabriele  
? Quartile:  
2025:  
? Artificial Intelligence (Q3, rank 308, percentile 37)  
? Source Id: 4900152708  
? Author Ids: 7005306316;7101795745  
? Authoraffiliationids: 60025153-105708092;60025153-105708092  
? Corresponding: Serpico S.B.

176.

? Title: Conditional copulas for change detection in heterogeneous remote sensing images  
? Venue: IEEE Transactions on Geoscience and Remote Sensing  
? Year: 2008  
? Type: Journal  
? Subtype: Article  
? Citations: 189  
? Doi: 10.1109/Tgrs.2008.916476  
? Scopus ID: 2-s2.0-53349101395  
? Issn: 01962892  
? Volume: 46  
? Issue: 5  
? Pages: 1428-1441  
? Authors: Mercier Grégoire; Moser Gabriele; Serpico Sebastiano B.  
? Keywords: Remote sensing  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)  
? Source Id: 17360  
? Author Ids: 59631024000;7101795745;7005306316  
? Authoraffiliationids: 60110235;60025153-105502276;60025153-105502276  
? Corresponding: Mercier G.

177.

? Title: Region-based classification of multisensor optical-sar images  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2008  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 10  
? Doi: 10.1109/Igarss.2008.4779661  
? Scopus ID: 2-s2.0-67649813283  
? Volume: 4  
? Issue: 1  
? Pages: 81-84  
? Authors: Gaetano Raffaele; Moser Gabriele; Poggi Gianni; Scarpa Giuseppe; Serpico Sebastiano B.  
? Keywords: Dependence tree | Markovian segmentation. | Multisensor image classification | Optical-SAR data fusion  
? Source Id: 82000  
? Author Ids: 23491959900;7101795745;7005255639;7004081145;7005306316  
? Authoraffiliationids: 60017293;60025153;60017293;60017293;60025153

? Corresponding: Gaetano R.

178.

? Title: Modelling the error statistics in support vector regression of surface temperature from infrared data

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2008

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.1109/Igarss.2008.4779550

? Scopus ID: 2-s2.0-67649766438

? Volume: 3

? Issue: 1

? Pages: 1115-1118

? Authors: Moser Gabriele; Serpico Sebastiano B.

? Keywords: Error estimation | Land surface temperature | Sea surface temperature | Supervised regression | Support vector machines

? Source Id: 82000

? Author Ids: 7101795745;7005306316

? Authoraffiliationids: 60025153;60025153

? Corresponding: Moser G.

179.

? Title: Classification of high-resolution images based on MRF fusion and multiscale segmentation

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2008

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 26

? Doi: 10.1109/Igarss.2008.4778981

? Scopus ID: 2-s2.0-66549093468

? Volume: 2

? Issue: 1

? Pages: 277-280

? Authors: Moser Gabriele; Serpico Sebastiano B.

? Keywords: Graph-based segmentation | Markov random fields | Multiscale data-fusion | Very high-resolution images

? Source Id: 82000

? Author Ids: 7101795745;7005306316

? Authoraffiliationids: 60025153;60025153

? Corresponding: Moser G.

180.

? Title: Automatic registration of retina images based on genetic techniques

? Venue: Proceedings of the 30th Annual International Conference of the IEEE Engineering in Medicine and Biology Society EMBS 08 Personalized Healthcare Through Technology

? Year: 2008

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 10

? DOI: 10.1109/iembs.2008.4650440

? Scopus ID: 2-s2.0-61849174754

? Pages: 5419-5424

? Authors: Troglio G.; Benediktsson J. A.; Serpico S. B.; Moser G.; Karlsson R. A.;

Halldorsson G. H.; Stefansson E.

? Source Id: 21100987449

? Author Ids:

26322168600;7004494483;7005306316;7101795745;16230365800;57190372296;7005607082

? Authoraffiliationids:

60025153-600711113;600711113;60025153;60025153;600711113;600711113;600711113

? Corresponding: Troglio G.

181.

? Title: Conditional copula for change detection on heterogeneous SAR data

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2007

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 21

? Doi: 10.1109/Igarss.2007.4423324

? Scopus ID: 2-s2.0-82355164420

? Pages: 2394-2397

? Authors: Mercier Gr^goire; Moser Gabriele; Serpico Sebastiano

? Source Id: 82000

? Author Ids: 59631024000;7101795745;7005306316

? Authoraffiliationids: 60008134;60025153;60025153

? Corresponding: Mercier G.

182.

? Title: Multitemporal change detection by spectral and multivariate texture information

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2007

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 5

? Doi: 10.1109/Igarss.2007.4423202

? Scopus ID: 2-s2.0-79957908041

? Pages: 1922-1925

? Authors: Li Peijun; Moser Gabriele; Cheng Tao; Serpico Sebastiano B.; Ma Defeng

? Keywords: Change detection | Multitemporal data | Multivariate texture | Pseudo cross variogram

? Source Id: 82000

? Author Ids: 56040925600;7101795745;36820685200;7005306316;7402075387

? Authoraffiliationids: 60014966;60025153;60030835;60025153;60014966

? Corresponding: Li P.

183.

? Title: Unsupervised change detection by multichannel SAR data fusion

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2007

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 5

? Doi: 10.1109/Igarss.2007.4423948

? Scopus ID: 2-s2.0-67651200980

? Pages: 4854-4857

? Authors: Moser Gabriele; Serpico Sebastiano B.

? Source Id: 82000

? Author Ids: 7101795745;7005306316

? Authoraffiliationids: 60025153;60025153

- ? Corresponding: Moser G.
- 184.
- ? Title: Automatic land and sea surface temperature estimation from remote sensing data
- ? Venue: Proceedings of SPIE the International Society for Optical Engineering
- ? Year: 2007
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 2
- ? Doi: 10.1117/12.737464
- ? Scopus ID: 2-s2.0-42449161919
- ? Issn: 0277786x
- ? Volume: 6748
- ? Authors: Moser Gabriele; Serpico Sebastiano B.
- ? Keywords: Generalization error bounds | Land surface temperature | Powell's method | Sea surface temperature | Supervised regression | Support vector machines
- ? 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: 7101795745;7005306316
- ? Authoraffiliationids: 60025153-105708092;60025153-105708092
- ? Corresponding: Moser G.
- 185.
- ? Title: Multiscale unsupervised change detection by Markov random fields and wavelet transforms
- ? Venue: Proceedings of SPIE the International Society for Optical Engineering
- ? Year: 2007
- ? Type: Conference Proceeding
- ? Subtype: Conference Paper
- ? Citations: 4
- ? Doi: 10.1117/12.737465
- ? Scopus ID: 2-s2.0-42449146594
- ? Issn: 0277786x
- ? Volume: 6748
- ? Authors: Moser Gabriele; Angiati Elena; Serpico Sebastiano B.
- ? Keywords: Besag's algorithm | Discrete wavelet transforms | Expectation-maximization | Fields | Markov random | Unsupervised multiscale change detection
- ? 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: 7101795745;24075443000;7005306316
- ? Authoraffiliationids: 60025153-105708092;60025153;60025153-105708092
- ? Corresponding: Moser G.

186.

? Title: Investigation of an ensemble framework for classification of hyperspectral remote sensing data with nearly equal spectral response classes  
? Venue: Proceedings of SPIE the International Society for Optical Engineering  
? Year: 2007  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Doi: 10.1117/12.738308  
? Scopus ID: 2-s2.0-42449122260  
? Issn: 0277786x  
? Volume: 6748  
? Authors: Zortea Maciel; Moser Gabriele; Serpico Sebastiano B.  
? Keywords: AVIRIS data | Classification | Ensemble methods | Feature reduction | Hyperspectral data | Random forests | Remote sensing | Support vector machine  
? 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: 22236154700;7101795745;7005306316  
? Authoraffiliationids: 60025153-105708092;60025153-105708092;60025153-105708092  
? Corresponding: Zortea M.

187.

? Title: A contextual change detection method for high-resolution optical images of urban areas  
? Venue: 2007 Urban Remote Sensing Joint Event Urs  
? Year: 2007  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Urs.2007.371784  
? Scopus ID: 2-s2.0-34648822753  
? Authors: Cannavacciuolo Lorenzo; Emery William; Moser Gabriele; Serpico Sebastiano B.  
? Source Id: 7900153103  
? Author Ids: 21933274200;35598959400;7101795745;7005306316  
? Authoraffiliationids: 60025153;60154476;60025153;60025153  
? Corresponding: Cannavacciuolo L.

188.

? Title: Unsupervised change detection from multichannel SAR images  
? Venue: IEEE Geoscience and Remote Sensing Letters  
? Year: 2007  
? Type: Journal  
? Subtype: Article  
? Citations: 63  
? Doi: 10.1109/Lgrs.2007.890549  
? Scopus ID: 2-s2.0-34247350886  
? Issn: 1545598x  
? Volume: 4  
? Issue: 2

? Pages: 278-282  
? Authors: Moser Gabriele; Serpico Sebastiano; Vernazza Gianni  
? Keywords: Expectation-maximization (EM) | Markov random field (MRF) | Multichannel synthetic aperture radar | Unsupervised change detection  
? Quartile:  
2025:  
? Geotechnical Engineering and Engineering Geology (Q1, rank 22, percentile 91)  
? Electrical and Electronic Engineering (Q1, rank 90, percentile 91)  
? Source Id: 17259  
? Author Ids: 7101795745;7005306316;7005048304  
? Authoraffiliationids: 60000251-60025153;60000251-60025153;60000251-60025153  
? Corresponding: Moser G.

189.

? Title: Extraction of spectral channels from hyperspectral images for classification purposes  
? Venue: IEEE Transactions on Geoscience and Remote Sensing  
? Year: 2007  
? Type: Journal  
? Subtype: Article  
? Citations: 136  
? Doi: 10.1109/Tgrs.2006.886177  
? Scopus ID: 2-s2.0-33846636871  
? Issn: 01962892  
? Volume: 45  
? Issue: 2  
? Pages: 484-495  
? Authors: Serpico Sebastiano B.; Moser Gabriele  
? Keywords: Feature extraction | Feature reduction | Hyperspectral images | Remote-sensing image classification | Spectral channels  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)  
? Source Id: 17360  
? Author Ids: 7005306316;7101795745  
? Authoraffiliationids: 60000251-60025153;60000251-60025153  
? Corresponding: Serpico S.B.

190.

? Title: MRF-based remote-sensing image classification with automatic model parameter estimation  
? Venue: Image Processing for Remote Sensing  
? Year: 2007  
? Type: Book  
? Subtype: Book Chapter  
? Citations: 2  
? Scopus ID: 2-s2.0-85028045709  
? Pages: 39-60  
? Authors: Serpico Sebastiano B.; Moser Gabriele  
? Source Id: 21100888196  
? Author Ids: 7005306316;7101795745  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Serpico S.B.

191.

? Title: A spatio-spectral data fusion method for the detection of urban areas in

optical high resolution images by a novel MRF model  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2006  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1109/Igarss.2006.647  
? Scopus ID: 2-s2.0-34948847997  
? Pages: 2502-2505  
? Authors: Causa Federico; Moser Gabriele; Serpico Sebastiano B.  
? Keywords: High spatial resolution | Hybrid supervised/unsupervised classification | Markov random fields | Parameter optimization  
? Source Id: 82000  
? Author Ids: 14030984900;7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Causa F.

192.

? Title: Land surface temperature estimation from passive satellite images using support vector machines  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2006  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 8  
? Doi: 10.1109/Igarss.2006.546  
? Scopus ID: 2-s2.0-34948820560  
? Pages: 2109-2112  
? Authors: Serpico Sebastiano B.; De Martino Michaela; Moser Gabriele; Zortea Maciel  
? Keywords: Infrared satellite data | Land surface temperature | Support vector machines  
? Source Id: 82000  
? Author Ids: 7005306316;7102899067;7101795745;22236154700  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Serpico S.B.

193.

? Title: Generalized minimum-error thresholding for unsupervised change detection from SAR amplitude imagery  
? Venue: IEEE Transactions on Geoscience and Remote Sensing  
? Year: 2006  
? Type: Journal  
? Subtype: Article  
? Citations: 339  
? Doi: 10.1109/Tgrs.2006.876288  
? Scopus ID: 2-s2.0-34247344495  
? Issn: 01962892  
? Volume: 44  
? Issue: 10  
? Pages: 2972-2982  
? Authors: Moser Gabriele; Serpico Sebastiano B.  
? Keywords: Change detection | Kittler and illingworth method | Method of log-cumulants (MoLC) | Parametric density estimation | Synthetic aperture radar (SAR) | Thresholding  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)

- ? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)  
? Source Id: 17360  
? Author Ids: 7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Moser G.
194.  
? Title: Weight parameter optimization by the Ho-Kashyap algorithm in MRF models for supervised image classification  
? Venue: IEEE Transactions on Geoscience and Remote Sensing  
? Year: 2006  
? Type: Journal  
? Subtype: Article  
? Citations: 55  
? Doi: 10.1109/Tgrs.2006.881118  
? Scopus ID: 2-s2.0-33845678010  
? Issn: 01962892  
? Volume: 44  
? Issue: 12  
? Pages: 3695-3705  
? Authors: Serpico Sebastiano B.; Moser Gabriele  
? Keywords: Automatic parameter setting | Ho-Kashyap (HK) algorithm | Iterated conditional mode (ICM) | Markov random field (MRF) | Remote-sensing image classification  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)  
? Source Id: 17360  
? Author Ids: 7005306316;7101795745  
? Authoraffiliationids: 60000251-60025153;60000251-60025153  
? Corresponding: Serpico S.B.
195.  
? Title: Feature Reduction for Classification Purpose  
? Venue: Hyperspectral Data Exploitation Theory and Applications  
? Year: 2006  
? Type: Book  
? Subtype: Book Chapter  
? Citations: 3  
? DOI: 10.1002/9780470124628.ch10  
? Scopus ID: 2-s2.0-84885018324  
? Pages: 245-274  
? Authors: Serpico Sebastiano B.; Moser Gabriele; Cattoni Andrea F.  
? Keywords: Feature reduction for classification purpose | Innovative feature-transformation methodology and numerical discrete search strategies | Proposed band-extraction method  
? Source Id: 21100273566  
? Author Ids: 7005306316;7101795745;14832346000  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Serpico S.B.
196.  
? Title: SAR amplitude probability density function estimation based on a generalized Gaussian model  
? Venue: IEEE Transactions on Image Processing  
? Year: 2006



? Type: Journal  
? Subtype: Article  
? Citations: 143  
? Doi: 10.1109/Tip.2006.871124  
? Scopus ID: 2-s2.0-33646885204  
? Issn: 10577149  
? Volume: 15  
? Issue: 6  
? Pages: 1429-1442  
? Authors: Moser Gabriele; Zerubia Josiane; Serpico Sebastiano B.  
? Keywords: Generalized Gaussian (GG) | Parametric estimation | Probability density function (PDF) | Synthetic aperture radar (SAR)  
? Quartile:  
2025:  
? Computer Graphics and Computer-Aided Design (Q1, rank 3, percentile 98)  
? Software (Q1, rank 15, percentile 97)  
? Source Id: 25534  
? Author Ids: 7101795745;56211628500;7005306316  
? Authoraffiliationids: 60025153;60032385;60025153  
? Corresponding: Moser G.

197.

? Title: Mrf-based remote-sensing image classification with automatic model parameter estimation  
? Venue: Signal and Image Processing for Remote Sensing  
? Year: 2006  
? Type: Book  
? Subtype: Book Chapter  
? Citations: 6  
? Scopus ID: 2-s2.0-85056325222  
? Pages: 305-326  
? Authors: Serpico Sebastiano B.; Moser Gabriele  
? Source Id: 21100885149  
? Author Ids: 7005306316;7101795745  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Serpico S.B.

198.

? Title: Unsupervised change-detection in color fundus images of the human retina  
? Venue: Proceedings of the 7th Nordic Signal Processing Symposium Norsig 2006  
? Year: 2006  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? Doi: 10.1109/Norsig.2006.275211  
? Scopus ID: 2-s2.0-39049154907  
? Pages: 134-137  
? Authors: Nappo A.; Benediktsson J. A.; Serpico S. B.; Joelsson S. R.; Moser G.; Karlsson R. A.; Halldorsson G. H.; Hardarson S. H.; Stefansson E.  
? Source Id: 21100932915  
? Author Ids: 23493146800;7004494483;7005306316;14031398800;7101795745;16230365800;57190372296;15056123700;7005607082  
? Authoraffiliationids:  
60025153;600711113;60025153;600711113;60025153;600711113;600711113;600711113;600711113  
? Corresponding: Nappo A.

199.

? Title: Unsupervised change-detection from multi-channel SAR data  
? Venue: Proceedings of the 7th Nordic Signal Processing Symposium Norsig 2006  
? Year: 2006  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 3  
? Doi: 10.1109/Norsig.2006.275234  
? Scopus ID: 2-s2.0-39049089117  
? Pages: 246-249  
? Authors: Moser Gabriele; Serpico Sebastiano B.  
? Source Id: 21100932915  
? Author Ids: 7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Moser G.

200.

? Title: Dictionary-based stochastic expectation-maximization for SAR amplitude probability density function estimation  
? Venue: IEEE Transactions on Geoscience and Remote Sensing  
? Year: 2006  
? Type: Journal  
? Subtype: Article  
? Citations: 103  
? Doi: 10.1109/Tgrs.2005.859349  
? Scopus ID: 2-s2.0-31344481921  
? Issn: 01962892  
? Volume: 44  
? Issue: 1  
? Pages: 188-200  
? Authors: Moser G.; Zerubia J.; Serpico S. B.  
? Keywords: Data analysis | Dictionary-based stochastic expectation-maximization | Finite mixture model | Land-cover typology | Pixel intensity | Remote sensing | SAR amplitude probability density function estimation | Synthetic aperture radar  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)  
? Source Id: 17360  
? Author Ids: 7101795745;56211628500;7005306316  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Moser G.

201.

? Title: MRF model parameter estimation for contextual supervised classification of remote-sensing images  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2005  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Doi: 10.1109/Igarss.2005.1526169  
? Scopus ID: 2-s2.0-33745727802  
? Volume: 1  
? Pages: 308-311  
? Authors: Moser Gabriele; Serpico Sebastiano B.; Causa Federico  
? Source Id: 82000

? Author Ids: 7101795745;7005306316;14030984900  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Moser G.

202.

? Title: Generalized minimum-error thresholding for unsupervised change detection from SAR amplitude imagery  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2005  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Doi: 10.1109/Igarss.2005.1526436  
? Scopus ID: 2-s2.0-33745712974  
? Volume: 3  
? Pages: 2121-2124  
? Authors: Moser Gabriele; Serpico Sebastiano B.  
? Source Id: 82000  
? Author Ids: 7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Moser G.

203.

? Title: Partially supervised classification of remote sensing images through SVM-based probability density estimation  
? Venue: IEEE Transactions on Geoscience and Remote Sensing  
? Year: 2005  
? Type: Journal  
? Subtype: Article  
? Citations: 242  
? Doi: 10.1109/Tgrs.2004.842022  
? Scopus ID: 2-s2.0-14644402381  
? Issn: 01962892  
? Volume: 43  
? Issue: 3  
? Pages: 559-570  
? Authors: Mantero Paolo; Moser Gabriele; Serpico Sebastiano B.  
? Keywords: Probability density function (pdf) estimation | Supervised classification | Support vector machines (SVMs) | Unknown classes  
? Quartile:  
2025:  
? Earth and Planetary Sciences (all) (Q1, rank 6, percentile 97)  
? Electrical and Electronic Engineering (Q1, rank 37, percentile 96)  
? Source Id: 17360  
? Author Ids: 57193889525;7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Mantero P.

204.

? Title: Automatic partially supervised classification of multitemporal remotely sensed images  
? Venue: Proceedings of SPIE the International Society for Optical Engineering  
? Year: 2004  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1117/12.567968

? Scopus ID: 2-s2.0-17644425308  
? Issn: 0277786x  
? Volume: 5573  
? Pages: 126-137  
? Authors: Moser Gabriele; Serpico Sebastiano B.; De Martino Michaela; Coppolino Daniele  
? Keywords: Change detection | Clustering | Multitemporal classification | Partially supervised classification  
? 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: 7101795745;7005306316;7102899067;8380886100  
? Authoraffiliationids: 60025153;60025153;;60025153  
? Corresponding: Moser G.

205.

? Title: SAR amplitude probability density function estimation based on a generalized Gaussian scattering model  
? Venue: Proceedings of SPIE the International Society for Optical Engineering  
? Year: 2004  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? Doi: 10.1117/12.567853  
? Scopus ID: 2-s2.0-17644373081  
? Issn: 0277786x  
? Volume: 5573  
? Pages: 307-318  
? Authors: Moser Gabriele; Zerubia Josiane; Serpico Sebastiano B.  
? Keywords: Generalized Gaussian | Parametric estimation | Probability density function | Synthetic Aperture Radar (SAR)  
? 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: 7101795745;56211628500;7005306316  
? Authoraffiliationids: 60025153;60110719;60025153  
? Corresponding: Moser G.

206.

? Title: Finite mixture models and stochastic Expectation-Maximization for SAR amplitude probability density function estimation based on a dictionary of parametric families  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2004

? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 0  
? Scopus ID: 2-s2.0-15944425787  
? Volume: 2  
? Pages: 1510-1513  
? Authors: Moser Gabriele; Zerubia Josiane; Serpico Sebastiano B.  
? Source Id: 82000  
? Author Ids: 7101795745;56211628500;7005306316  
? Authoraffiliationids: 60025153;60032385;60025153  
? Corresponding: Moser G.

207.

? Title: Design of spectral channels for hyperspectral image classification  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2004  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 5  
? Scopus ID: 2-s2.0-15944368976  
? Volume: 2  
? Pages: 956-959  
? Authors: Serpico Sebastiane B.; D'Inc^ Massimo; Moser Gabriele  
? Keywords: Feature transformation | Hyperspectral images | Image classification | Remote sensing | Spectral channel design  
? Source Id: 82000  
? Author Ids: 7005306316;8314704700;7101795745  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Serpico S.B.

208.

? Title: SVM-based density estimation for supervised classification of remotely sensed images with unknown classes  
? Venue: Proceedings of SPIE the International Society for Optical Engineering  
? Year: 2004  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 1  
? Doi: 10.1117/12.514179  
? Scopus ID: 2-s2.0-1942535080  
? Issn: 0277786x  
? Volume: 5238  
? Pages: 386-397  
? Authors: Mantero P.; Moser G.; Serpico S. B.  
? Keywords: Probability density function estimation | Supervised classification | Support vector Machines | Unknown classes  
? 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: 57193889525;7101795745;7005306316

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Mantero P.

209.

? Title: Partially supervised classification of remote sensing images using SVM-based probability density estimation

? Venue: 2003 IEEE Workshop on Advances in Techniques for Analysis of Remotely Sensed Data

? Year: 2004

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 21

? Doi: 10.1109/Warsd.2003.1295212

? Scopus ID: 2-s2.0-84945285861

? Pages: 327-336

? Authors: Mantero P.; Moser G.; Serpico S. B.

? Keywords: probability density function estimation | supervised classification | support vector machines | unknown classes

? Source Id: 21100420311

? Author Ids: 57193889525;7101795745;7005306316

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Mantero P.

210.

? Title: Partially Supervised Contextual Classification of Multitemporal Remotely Sensed Images

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2003

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 5

? Scopus ID: 2-s2.0-0242711394

? Volume: 2

? Pages: 1377-1379

? Authors: De Martino Michaela; Macchiavello Giorgia; Moser Gabriele; Serpico Sebastiano B.

? Keywords: Change detection | Contextual classification | Markov Random Fields | Multitemporal classification

? Source Id: 82000

? Author Ids: 7102899067;8203206000;7101795745;7005306316

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: De Martino M.

211.

? Title: A comparison of feature reduction techniques for classification of hyperspectral remote-sensing data

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

? Year: 2002

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 60

? Doi: 10.1117/12.463524

? Scopus ID: 2-s2.0-0038627541

? Issn: 0277786x

? Volume: 4885

? Pages: 347-358

? Authors: Serpico Sebastiano B.; D'Inc^ Massimo; Melgani Farid; Moser Gabriele

? Keywords: Feature extraction | Feature selection | Hyperspectral images | Image classification

? 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: 7005306316;8314704700;35613488300;7101795745

? Authoraffiliationids: 60025153;60025153;;60025153

? Corresponding: Serpico S.B.

212.

? Title: Unsupervised change-detection methods for remote-sensing images

? Venue: Optical Engineering

? Year: 2002

? Type: Journal

? Subtype: Article

? Citations: 127

? Doi: 10.1117/1.1518995

? Scopus ID: 2-s2.0-0036986484

? Issn: 00913286

? Volume: 41

? Issue: 12

? Pages: 3288-3297

? Authors: Melgani Farid; Moser Gabriele; Serpico Sebastiano B.

? Keywords: Change detection | Expectation-maximization algorithm | Pattern classification | Remote sensing | Thresholding

? Quartile:

2025:

? Engineering (all) (Q2, rank 164, percentile 52)

? Atomic and Molecular Physics, and Optics (Q3, rank 148, percentile 38)

? Source Id: 12316

? Author Ids: 35613488300;7101795745;7005306316

? Authoraffiliationids: 60015986;60025153;60025153

? Corresponding: Melgani F.

213.

? Title: Supervised classification of remote sensing images with unknown classes

? Venue: International Geoscience and Remote Sensing Symposium IGARSS

? Year: 2002

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 4

? Scopus ID: 2-s2.0-0036402722

? Volume: 6

? Pages: 3486-3488

? Authors: Guerrero-Curieses Alicia; Biasiotto Alessandro; Serpico Sebastiano B.; Moser Gabriele

? Source Id: 82000

? Author Ids: 6602805591;6504581262;7005306316;7101795745

? Authoraffiliationids: 60001741;60001741;60001741;60001741

? Corresponding: Guerrero-Curieses A.

214.

? Title: Unsupervised change detection methods for remote sensing images  
? Venue: Proceedings of SPIE the International Society for Optical Engineering  
? Year: 2002  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 9  
? Doi: 10.1117/12.454155  
? Scopus ID: 2-s2.0-0036397203  
? Issn: 0277786x  
? Volume: 4541  
? Pages: 211-222  
? Authors: Melgani Farid; Moser Gabriele; Serpico Sebastiano B.  
? 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: 35613488300;7101795745;7005306316  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Melgani F.

215.

? Title: Partially supervised detection of changes from remote sensing images  
? Venue: International Geoscience and Remote Sensing Symposium IGARSS  
? Year: 2002  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 8  
? Scopus ID: 2-s2.0-0036029977  
? Volume: 1  
? Pages: 299-301  
? Authors: Moser Gabriele; Melgani Farid; Serpico Sebastiano B.; Caruso Alessandro  
? Source Id: 82000  
? Author Ids: 7101795745;35613488300;7005306316;36804398200  
? Authoraffiliationids: 60025153;60025153;60025153;60025153  
? Corresponding: Moser G.