

GIULIO VIGNOLI

Current Position • Associate Professor at UNICA-DICAAR via Marengo 2, 09123 Cagliari (CA), Italy • Adjunct Senior Researcher at GEUS, Near Surface Land and Marine Geology Dept. Universitetsbyen 81, 8000 Aarhus C, Denmark.

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EXPERIENCE

03/'17 –	<p>Geological Survey of Denmark and Greenland. (Near Surface Land and Marine Geology Dept) ▪ Adjunct Senior Researcher</p>	Denmark
03/'17 –	<p>University of Cagliari. (Dept. of Civil and Environmental Engineering and Architecture) ▪ Associate Professor</p>	Italy
09/'13 – 02/'17	<p>Geological Survey of Denmark and Greenland. (Dept. of Groundwater and Quaternary Geology Mapping) ▪ Senior Researcher</p>	Denmark
08/'12 – 09/'13	<p>Aarhus University. (Dept. of Geoscience) ▪ Postdoctoral fellowship Focusing inversion of airborne electromagnetic data; supervision of the AQUIM project (http://hgg.au.dk/projects/past-projects/aquim-2015/)</p>	Denmark–India
01/'11 – 08/'12	<p>King Fahd University of Petroleum and Minerals. (Earth Sciences Dept.) ▪ Assistant Professor</p>	Saudi Arabia
01/'10 – 01/'11	<p>Università di Padova. (Geosciences Dept.) ▪ Contract Researcher Estimation of S-wave velocity and attenuation via surface wave processing and inversion.</p>	Italy
01/'08 – 01/'10	<p>Università di Padova. (Geosciences Dept.) ▪ Postdoctoral fellowship Lateral discontinuity localization and characterization by means of multi-offset phase analysis of surface waves.</p>	Italy
01/'06 – 01/'08	<p>Università di Ferrara. (Biology and Evolution Dept.) ▪ Postdoctoral fellowship within the project L.A.R.A. (Laboratory Network for Water) Set-up of a laboratory for hydrogeophysical simulations.</p>	Italy
01/'03 – 12/'05	<p>Università di Ferrara. (Earth Sciences Dept.) ▪ Ph.D. fellowship in Earth Sciences Thesis: Focusing inversion techniques. Theory and applications to travelttime tomography and electrical impedance tomography.</p>	Italy–United States
06/'02	<p>Università di Ferrara. (Physics Dept.) ▪ Degree in Physics (Theoretical) Thesis: Time-reversal symmetry and hadron structure.</p>	Italy

OTHER RESEARCH EXPERIENCES

01/'19– 02/'19	<p>Potsdam University. ▪ <i>Visiting Researcher.</i> <i>Joint inversion of loosely connected data.</i></p>	Germany
06/'19– 07/'19	<p>Potsdam University. ▪ <i>Visiting Researcher.</i> <i>Joint inversion of loosely connected data.</i></p>	Germany
02/'10– 03/'10	<p>Schlumberger. (Gatwick Technology Centre). ▪ <i>Visiting Scientist.</i> <i>3D phase analysis for the estimation of S-wave velocity anisotropy.</i></p>	United Kingdom

10/09 – 11/09	Schlumberger. (Gatwick Technology Centre). <ul style="list-style-type: none"> Visiting Scientist. Statistical Multi-Offset Phase Analysis (sMOPA) of surface waves for an improved lateral discontinuities localization and characterization 	United Kingdom
02/05– 03/05	CEMI - Consortium for Electromagnetic modeling and Inversion University of Utah <ul style="list-style-type: none"> Visiting PhD. Invited by Prof. M. Zhdanov to complete the research project started in 2003-2004. 	United States
08/03– 06/04	CEMI - Consortium for Electromagnetic modeling and Inversion University of Utah <ul style="list-style-type: none"> Visiting PhD. Focused inversion of 3D time-of-flight data. 	United States

RESEARCH GRANTS AND ACTIVITIES

2023-2026 Investigator	Innovation Fund Denmark <ul style="list-style-type: none"> "Informative Mapping of Construction Aggregate Resources Through Statistical Data Analysis - INTEGRATE". (Project n. 2081-00009B) 	Denmark-Italy
2021-2024 Principal Investigator	INPS "Dottorati Innovativi – Intersettoriali, vertenti sulle tematiche dell'iniziativa "Industria 4.0" - Ciclo XXXVI. <ul style="list-style-type: none"> "Borsa aggiuntiva di dottorato industriale. GEOINFER: probabilistic inversion of EM data with explicit prior". 	Sweden-Italy
2021-2024 Investigator	TRAFIKVERKET - Swedish Transport Administration. <ul style="list-style-type: none"> Development of a holistic strategy for geomodelling based on probabilistic geophysical data integration (TRV 2019/70975-6994). 	Sweden-Italy
2022-2024 Investigator	BeFo – Rock Engineering Research Foundation. <ul style="list-style-type: none"> "Vibration monitoring and passive seismic exploration of rock mass via fiber optic sensing" (BeFo 444). 	Sweden-Italy
2022-2024 Investigator	BeFo – Rock Engineering Research Foundation. <ul style="list-style-type: none"> "Integrated geophysics to map soil depth and rock properties in water passages" (BeFo 445). 	Sweden-Italy
2021-2023 Principal Investigator	Fondazione di Sardegna - Progetti di ricerca biennali nell'Università di Cagliari. <ul style="list-style-type: none"> "GEO-CUBE: GEOphysics for the GEOthermal and GEOlogical characterization in the Campidano area". 	Italy
2021 Principal Investigator	Università di Padova – INTERREG IT-CR: MoST. <ul style="list-style-type: none"> "Development of a hydrogeophysical model of the plain of Neretva River's mouth via Airborne Electromagnetics". 	Croatia-Italy
2020 Principal Investigator	Regione Autonoma Della Sardegna – Mobilità Giovani Ricercatori (MGR2019). <ul style="list-style-type: none"> "FullInvOpto: Full waveform inversion of data recorded by optical fiber seismic sensors for geotechnical and geological applications". 	Sweden-Italy
2019-2020 Investigator	Regione Autonoma Della Sardegna – Iniziative Ricerca (Legge 7). (EURO 90,000) <ul style="list-style-type: none"> "HYDROSARD: Un approccio multidisciplinare integrato e multiscale per la valutazione globale delle risorse idriche nella regione Sardegna, anche in condizioni di cambiamento climatico". (RASSR38474) 	Italy
2019 Principal Investigator	King Fahd University of Petroleum and Minerals. <ul style="list-style-type: none"> "Removal of sand dune effects from petroleum seismic data through parallax processing". 	Saudi Arabia-Italy
2019 Principal Investigator	Regione Autonoma Della Sardegna – Mobilità Giovani Ricercatori (MGR2018). <ul style="list-style-type: none"> "RadEMI: joint inversion of RADar and ElectroMagnetic Induction data". 	Germany-Italy
2018-2020 Investigator	Fondazione di Sardegna - Progetti di ricerca biennali nell'Università di Cagliari. <ul style="list-style-type: none"> "Characterization of GEOthermal RESources in southern Sardinia (GETHERE)". (RAS/FdS n. F71/17000190002) 	Italy
2018-2020 Investigator	Sardegna Ricerche - "Aiuti per progetti di Ricerca e Sviluppo" - POR FESR 2014-2020. <ul style="list-style-type: none"> "Tecnologie di CARatterizzazione, Monitoraggio e Analisi per il ripristino e la bonifica (CARMA)". (CUP G28C17000250006) 	Italy
2018-2021 Investigator	Danish Council for Independent Research (DFF). <ul style="list-style-type: none"> "Probabilistic Geomodeling of Groundwater Resources - RESPROB". (Project n. 7017-00160B) 	Denmark-Italy
2018-2021 Principal Investigator	PON RI 2014-2020, Asse I "Capitale Umano" - Azione I.1 "Dottorati innovativi con caratterizzazione industriale Ciclo XXXIII". <ul style="list-style-type: none"> "Borsa aggiuntiva di dottorato industriale. GEOPROBARE: stochastic inversion of time-domain electromagnetic data". 	Denmark-Italy

2016-2019 Investigator	GeoCenter Denmark (Large strategic projects). ▪ "GeoConcept - Geological 3D conceptualization for groundwater modelling".	Denmark-Italy
2015 Principal Investigator	Trilateral Cooperation among Saudi Aramco, Stanford University and King Fahd University of Petroleum and Minerals. (SAR 120,000) ▪ "Microseismic and Geomechanical Characterizations of Shale Gas Reservoirs".	Saudi Arabia-Denmark
2015-2020 Co-Principal Investigator	Danish International Development Agency (DANIDA) ▪ "Ground Water Development and Sustainable Agriculture" (GhanAqua)". (Project n. 14-P02-GHA)	Ghana-Denmark
2014-2016 Investigator	Danish National Advanced Technology Foundation ▪ "ERGO - Effective High-Resolution Geological Modeling"	Denmark
2011-2012 Investigator	National Science Technology & Innovation Plan Grant ▪ A KACST grant concerning the development of "A Prototype for Ultrasound Imaging of Geological Cores: Principles, Acquisition, Processing, and Interpretation". (Project n. 09-OIL766-04)	Saudi Arabia
2011-2012 Investigator	Research Groups Grant ▪ A KFUPM research grant concerning the "Reservoir Characterization by Active and Passive Seismic Integration". (Project n. RCRG101004)	Saudi Arabia
2011-2012 Principal Investigator	Fast Track Research Grant ▪ A KFUPM research grant concerning the "Rayleigh-wave first mode isolation and inversion". (Project n. SB101028) ▪	Saudi Arabia
2005 Principal Investigator	ElecUsTo - ELECtrical and acoUSTic Tomography ▪ A technology transfer project, financed under an agreement between: Math4Tech (Univ. di Ferrara), C.C.I.A.A. (Chamber of Commerce and Industry), and Elletipi s.r.l.. ElecUsTo is a study for a new structural approach to joint inversion of loosely connected data.	Italy

PAPERS
PUBLISHED OR ACCEPTED

- 1) M. Zhdanov, **G. Vignoli**, T. Ueda, 2006,
SHARP BOUNDARY INVERSION IN CROSSWELL TRAVEL-TIME TOMOGRAPHY,
Journal of Geophysics and Engineering, 3, 122-134. doi:10.1088/1742-2132/3/2/003
- 2) **G. Vignoli** and G. Cassiani, 2009,
IDENTIFICATION OF LATERAL DISCONTINUITIES VIA MULTI-OFFSET PHASE ANALYSIS OF SURFACE WAVE DATA,
Geophysical Prospecting, 58, 389-413. doi: 10.1111/j.1365-2478.2009.00838.x
- 3) M. Mastrocicco, **G. Vignoli**, N. Colombani, N. Abu Zeid, 2009,
SURFACE ELECTRICAL RESISTIVITY TOMOGRAPHY AND HYDROGEOLOGICAL CHARACTERIZATION TO CONSTRAIN GROUNDWATER FLOW MODELING IN AN AGRICULTURAL FIELD SITE NEAR FERRARA (ITALY),
Environ. Earth Sci., 61, 311-322. doi: 10.1007/s12665-009-0344-6
- 4) **G. Vignoli**, C. Strobba, G. Cassiani, P. Vermeer, 2011,
STATISTICAL MULTI-OFFSET PHASE ANALYSIS (sMOPA) FOR SURFACE WAVE PROCESSING IN LATERALLY VARYING MEDIA,
Geophysics, 76, U1-U11. doi:10.1190/1.3542076
- 5) J. Boaga, **G. Vignoli**, G. Cassiani, 2011,
SHEAR WAVE PROFILES FROM SURFACE WAVE INVERSION: THE IMPACT OF UNCERTAINTY ONTO SEISMIC SITE RESPONSE ANALYSIS,
Journal of Geophysics and Engineering, 8, 162-174. doi:10.1088/1742-2132/8/2/004
- 6) **G. Vignoli**, R. Deiana, G. Cassiani, 2012,
FOCUSED INVERSION OF VERTICAL RADAR PROFILE (VRP) TRAVEL-TIME DATA,
Geophysics. 77, H9-H18. doi:10.1190/geo2011-0147.1
- 7) J. Boaga, S. Renzi, **G. Vignoli**, R. Deiana, G. Cassiani, 2012,
FROM SURFACE WAVE INVERSION TO SEISMIC SITE RESPONSE PREDICTION: BEYOND THE 1D APPROACH,
Soil Dynamics and Earthquake Engineering, 36, 38-51.
doi:10.1016/j.soildyn.2012.01.001
- 8) **G. Vignoli**, G. Cassiani, R. Deiana, M. Rossi, J. Boaga, P. Fabbri, 2012,
GEOLOGICAL CHARACTERIZATION OF A SMALL PRE-ALPINE CATCHMENT,
Journal of Applied Geophysics, 80, 32-42. doi:10.1016/j.jappgeo.2012.01.007.
- 9) J. Boaga, **G. Vignoli**, G. Cassiani, 2012,
REPLY TO COMMENT ON "SHEAR WAVE PROFILE FROM SURFACE WAVE INVERSION: THE IMPACT OF UNCERTAINTY ON SEISMIC SITE RESPONSE ANALYSIS",
Journal of Geophysics and Engineering, 9, 244-246. doi:10.1088/1742-2132/9/2/244.

- 10) G. Cassiani, N. Ursino, R. Deiana, **G. Vignoli**, J. Boaga, M. Rossi, M. T. Perri, M. Blaschek, R. Duttmann, S. Meyer, R. Ludwig, A. Soddu, P. Dietrich, and U. Werban, 2012, **NON-INVASIVE MONITORING OF SOIL STATIC CHARACTERISTICS AND DYNAMIC STATES: A CASE STUDY HIGHLIGHTING VEGETATION EFFECTS ON AGRICULTURAL LAND**, Vadose Zone Journal. Special Issue on SPAC - Soil-plant interactions from local to landscape scale, 11, vjz2011.0195. doi: 10.2136/2011.0195.
- 11) J. Boaga, G. Cassiani, C. Strobbia, **G. Vignoli**, 2013, **MODE MISIDENTIFICATION IN RAYLEIGH WAVES: ELLIPTICITY AS A CAUSE AND A CURE**, Geophysics, 78, EN17-EN28. doi: 10.1190/geo2012-0194.1.
- 12) N. Ursino, G. Cassiani, R. Deiana, **G. Vignoli**, J. Boaga, 2014, **MEASURING AND MODELLING WATER RELATED SOIL-VEGETATION FEEDBACKS IN A FALLOW PLOT**, Hydrology and Earth System Sciences. 18, 1105-1118. doi:10.5194/hess-18-1105-2014.
- 13) J. Boaga, **G. Vignoli**, R. Deiana, G. Cassiani, 2014, **THE INFLUENCE OF SUBSOIL STRUCTURE AND ACQUISITION PARAMETERS IN MASW MODE MISIDENTIFICATION**, Journal of Environmental and Engineering Geophysics. 19(2), 87-99. doi: 10.2113/JEEG19.2.87
- 14) E. Auken, A.V. Christiansen, C. Kirkegaard, G. Fiandaca, C. Schamper, A. Behroozmand, A. Binley, E. Nielsen, F. Effersø, N. Christensen, K. Sørensen, N. Foged, **G. Vignoli**, 2014, **AN OVERVIEW OF A HIGHLY VERSATILE FORWARD AND STABLE INVERSE ALGORITHM FOR AIRBORNE, GROUND-BASED AND BOREHOLE ELECTROMAGNETIC AND ELECTRIC DATA**, Exploration Geophysics. <http://dx.doi.org/10.1071/EG13097>.
- 15) A.Y. Ley-Cooper, A. Viezzoli, J. Guillemoteau, **G. Vignoli**, J. Macnae, L. Cox, T. Munday, 2014, **AIRBORNE ELECTROMAGNETIC MODELLING OPTIONS AND ITS CONSEQUENCES IN TARGET DEFINITION**, Exploration Geophysics 46(1) 74-84. <http://dx.doi.org/10.1071/EG14045>.
- 16) **G. Vignoli**, G. Fiandaca, A.V. Christiansen, E. Auken, 2015, **SHARP SPATIALLY CONSTRAINED INVERSION (sSCI) WITH APPLICATIONS TO TRANSIENT ELECTROMAGNETIC DATA**, Geophysical Prospecting, 63, 243-255. doi: 10.1111/1365-2478.12185
- 17) **G. Vignoli**, I. Gervasio, G. Brancatelli, J. Boaga, B. Della Vedova, G. Cassiani, 2015, **FREQUENCY-DEPENDENT MULTI-OFFSET PHASE ANALYSIS OF SURFACE WAVES FOR THE HIGH RESOLUTION CHARACTERIZATION OF A RIPARIAN AQUIFER**, Geophysical Prospecting, 64, 102-111. doi: 10.1111/1365-2478.12256.
- 18) A.V. Christiansen, E. Auken, C. Kirkegaard, C. Schamper, **G. Vignoli**, 2015, **AN EFFICIENT HYBRID PRECISION SCHEME FOR FAST AND ACCURATE INVERSION OF AIRBORNE TRANSIENT ELECTROMAGNETIC DATA**, Exploration Geophysics. doi: <http://dx.doi.org/10.1071/EG14121>.
- 19) G. Fiandaca, J. Doetsch, **G. Vignoli**, E. Auken, 2015, **GENERALIZED FOCUSING OF TIME-LAPSE CHANGES WITH APPLICATIONS TO DIRECT CURRENT AND TIME-DOMAIN INDUCED POLARIZATION INVERSIONS**, Geophysical Journal International, 203, 1101-1112. doi: 10.1093/gji/ggv350.
- 20) **G. Vignoli**, V. Sapia, A. Menghini, A. Viezzoli, 2017, **EXAMPLES OF IMPROVED INVERSION OF DIFFERENT AIRBORNE ELECTROMAGNETIC DATASETS VIA SHARP REGULARIZATION**, Journal of Environmental & Engineering Geophysics, 22(1), 51-61. doi: 10.2113/JEEG22.1.51.
- 21) A.-S. Høyer, **G. Vignoli**, T.M. Hansen, L.T. Vu, D.A. Keefer, F. Jørgensen, 2017, **MULTIPLE-POINT STATISTICAL SIMULATION FOR HYDROGEOLOGICAL MODELS: 3D TRAINING IMAGE DEVELOPMENT AND CONDITIONING STRATEGIES**, Hydrol. Earth Syst. Sci., 21, 6069-6089, 2017. <https://doi.org/10.5194/hess-21-6069-2017>.
- 22) G. Dragonetti, A. Comegna, A. Ajeel, G.P. Deidda, N. Lamaddalena, G. Rodriguez, **G. Vignoli**, A. Coppola, 2018, **CALIBRATING ELECTROMAGNETIC INDUCTION CONDUCTIVITIES WITH TIME-DOMAIN REFLECTOMETRY MEASUREMENTS**, Hydrol. Earth Syst. Sci., 22, 1509-1523. <https://doi.org/10.5194/hess-22-1509-2018>.
- 23) R. Meyer, P. Engesgaard, A.-S. Høyer, F. Jørgensen, **G. Vignoli**, T.O. Sonnenborg, 2018, **REGIONAL FLOW IN A COMPLEX COASTAL AQUIFER SYSTEM: COMBINING VOXEL GEOLOGICAL MODELLING WITH REGULARIZED CALIBRATION**, Journal of Hydrology 562. <https://doi.org/10.1016/j.jhydrol.2018.05.020>.
- 24) G.P. Deidda, P. Diaz de Alba, G. Rodriguez, **G. Vignoli**, 2020, **INVERSION OF MULTICONFIGURATION COMPLEX EMI DATA WITH MINIMUM GRADIENT SUPPORT REGULARIZATION: A CASE STUDY**, Mathematical Geosciences. <https://doi.org/10.1007/s11004-020-09855-4>.
- 25) E. Dzikuono, **G. Vignoli**, F. Jørgensen, S. M. Yidana, B. Banoeng-Yakubu, 2020, **NEW REGIONAL STRATIGRAPHIC INSIGHTS FROM A 3D GEOLOGICAL MODEL OF THE NASIA SUB-BASIN, GHANA, DEVELOPED FOR HYDROGEOLOGICAL PURPOSES AND BASED ON REPROCESSED B-FIELD DATA, ORIGINALLY COLLECTED FOR MINERAL EXPLORATION**, Solid-Earth, 11, 349-361. <https://doi.org/10.5194/se-11-349-2020>

- 26) G. Cassiani, J. Boaga, I. Barone, M.T. Perri, G.P. Deidda, **G. Vignoli**, C. Strobbia, L. Busato, R. Deiana, M. Rossi, M.C. Caputo, 2020,
GROUND-BASED REMOTE SENSING OF THE SHALLOW SUBSURFACE: GEOPHYSICAL METHODS FOR ENVIRONMENTAL APPLICATIONS,
In *Developments in Earth Surface Processes* (Vol. 23, pp. 55-89). Elsevier.
<https://doi.org/10.1016/B978-0-444-64177-9.00003-5>
- 27) P. Bai, **G. Vignoli**, A. Viezzoli, J. Nevalainen, G. Vacca, 2020
(QUASI-)REAL-TIME INVERSION OF AIRBORNE TIME-DOMAIN ELECTROMAGNETIC DATA VIA ARTIFICIAL NEURAL NETWORK,
Remote sensing, 12(20), 3440. <https://doi.org/10.3390/rs12203440>
- 28) **G. Vignoli**, J. Guillemoteau, J. Barreto, M. Rossi, 2021.
RECONSTRUCTION, WITH TUNABLE SPARSITY LEVELS, OF SHEAR WAVE VELOCITY PROFILES FROM SURFACE WAVE DATA,
Geophysical Journal International, 225(3), pp.1935-1951.
<https://doi.org/10.1093/gji/ggab068>
- 29) P. Bai, **G. Vignoli**, T.M. Hansen, 2021.
1D STOCHASTIC INVERSION OF AIRBORNE TIME-DOMAIN ELECTROMAGNETIC DATA WITH REALISTIC PRIOR AND ACCOUNTING FOR THE FORWARD MODELLING ERROR,
Remote Sensing, 13(19), 3881.
<https://doi.org/10.3390/rs13193881>
- 30) T. Klose, J. Guillemoteau, **G. Vignoli**, J. Tronicke, 2021,
LATERALLY CONSTRAINED INVERSION (LCI) OF MULTI-CONFIGURATION EMI DATA WITH TUNABLE SHARPNESS,
Journal of Applied Geophysics, 104519.
<https://doi.org/10.1016/j.jappgeo.2021.104519>
- 31) J. Guillemoteau, **G. Vignoli**, J. Barreto, S. Guillaume, 2022,
SPARSE LATERALLY CONSTRAINED INVERSION OF SURFACE WAVE DISPERSION CURVES VIA MINIMUM GRADIENT SUPPORT REGULARIZATION,
Geophysics, 87(3), A25-V203. <https://doi.org/10.1190/geo2021-0247.1>
- 32) M. Rossi, Roger Wisén, **G. Vignoli**, M. Coni, 2022,
ASSESSMENT OF DISTRIBUTED ACOUSTIC SENSING (DAS) PERFORMANCES FOR GEOTECHNICAL APPLICATIONS,
Engineering Geology. p.106729.
<https://doi.org/10.1016/j.enggeo.2022.106729>
- 33) T Klose, J Guillemoteau, G Vignoli, J Walter, A Herrmann, J Tronicke, 2023,
STRUCTURALLY CONSTRAINED INVERSION BY MEANS OF A MINIMUM GRADIENT SUPPORT REGULARIZER: EXAMPLES OF FD-EMI DATA INVERSION CONSTRAINED BY GPR REFLECTION DATA,
Geophysical Journal International 233 (3), 1938-1949.
<https://doi.org/10.1093/gji/ggad041>
- 34) N. Zaru, M. Rossi, G. Vacca, **G. Vignoli**, 2023,
SPREADING OF LOCALIZED INFORMATION ACROSS AN ENTIRE 3D ELECTRICAL RESISTIVITY VOLUME VIA CONSTRAINED EMI INVERSION BASED ON A REALISTIC PRIOR DISTRIBUTION
Remote Sensing, 15 (16), 3993.
<https://doi.org/10.3390/rs15163993>
- 35) N. Zaru, S. Silvestri, M. Assiri, P. Bai, T.M. Hansen, **G. Vignoli**, 2024,
PROBABILISTIC PETROPHYSICAL RECONSTRUCTION OF DANTA'S ALPINE PEATLAND VIA ELECTROMAGNETIC INDUCTION DATA.
Earth and Space Science, 11(3), e2023EA003457.
<https://doi.org/10.1029/2023EA003457>

ASSOCIATE EDITOR

Geophysics; Near Surface Geophysics; Journal of Applied Geophysics; Geodesy and Geodynamics

REVIEWER

Geophysics / Journal of Environmental and Engineering Geophysics / Bollettino di Geofisica Teorica Ed Applicata / Geophysical Prospecting / Arabian Journal of Geosciences / Near Surface Geophysics / Water / Environmental Earth Sciences / IEEE Access / Acta Geophysica / Computational Geosciences / Journal of Applied Geophysics / Frontiers in Earth Sciences / Journal of Hydrology / Minerals / Engineering (Elsevier) / IEEE Transactions on Geoscience and Remote Sensing / Mathematical Problems in Engineering / Journal of Petroleum Science and Engineering / Applied Sciences / Computers & Geosciences / Geosciences / Transactions of Nonferrous Metals Society of China / Water Resources Research / Remote Sensing / Measurement / IEEE Transactions on Microwave Theory and Techniques / The Leading edge / Geophysical Research Letters / Plos One / IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing / IEEE Signal Processing Magazine
(for an updated list, cf.: <https://www.webofscience.com/wos/author/record/G-7611-2012>)