

Andre Revil

List of Publications by Year in descending order

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280
papers

15,381
citations

12330

69
h-index

25787

108
g-index

294
all docs

294
docs citations

294
times ranked

6712
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental determination of frequency- and temperature-dependent electrical properties of water-saturated clays using spectral induced polarization and network analyzer technique. Measurement: Journal of the International Measurement Confederation, 2022, 190, 110653.	5.0	4
2	Optimized arrays for electrical resistivity tomography survey using Bayesian experimental design. Geophysics, 2022, 87, E189-E203.	2.6	4
3	Deep learning based optimization under uncertainty for surfactant-enhanced DNAPL remediation in highly heterogeneous aquifers. Journal of Hydrology, 2022, 608, 127639.	5.4	8
4	3D self-potential tomography of seafloor massive sulfide deposits using an autonomous underwater vehicle. Geophysics, 2022, 87, B255-B267.	2.6	8
5	Characterization of the non-Gaussian hydraulic conductivity field via deep learning-based inversion of hydraulic-head and self-potential data. Journal of Hydrology, 2022, 610, 127830.	5.4	6
6	Induced Polarization as a Tool to Assess Mineral Deposits: A Review. Minerals (Basel, Switzerland), 2022, 12, 571.	2.0	14
7	Induced polarization images alteration in stratovolcanoes. Journal of Volcanology and Geothermal Research, 2022, 429, 107598.	2.1	4
8	Identification of non-Gaussian parameters in heterogeneous aquifers by a modified probability conditioning method through hydraulic-head assimilation. Hydrogeology Journal, 2021, 29, 819-839.	2.1	2
9	Hydrogeophysical Characterization of Nonstationary DNAPL Source Zones by Integrating a Convolutional Variational Autoencoder and Ensemble Smoother. Water Resources Research, 2021, 57, e2020WR028538.	4.2	27
10	Dating the landscape evolution around the Chauvet-Pont d'Arc cave. Scientific Reports, 2021, 11, 8944.	3.3	8
11	Induced Polarization of Carbonates. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022029.	3.4	8
12	Effect of root exudates on the stability and transport of graphene oxide in saturated porous media. Journal of Hazardous Materials, 2021, 413, 125362.	12.4	11
13	Analysis of Interfacial Water in Clay by High Frequency Dielectric Relaxation Spectroscopy. , 2021, , .		0
14	Integrating hydraulic tomography, electrical resistivity tomography, and partitioning interwell tracer test datasets to improve identification of pool-dominated DNAPL source zone architecture. Journal of Contaminant Hydrology, 2021, 241, 103809.	3.3	3
15	Evaluation of the benefits of improved permeability estimation on high-resolution characterization of DNAPL distribution in aquifers with low-permeability lenses. Journal of Hydrology, 2021, 603, 126955.	5.4	2
16	Field-scale estimation of soil properties from spectral induced polarization tomography. Geoderma, 2021, 403, 115380.	5.1	12
17	Induced polarization of volcanic rocks. 4. Large-scale induced polarization imaging. Geophysical Journal International, 2021, 225, 950-967.	2.4	14
18	Induced polarization of volcanic rocks. 5. Imaging the temperature field of shield volcanoes. Geophysical Journal International, 2021, 225, 1492-1509.	2.4	8

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19	Temperature distribution in a permafrost-affected rock ridge from conductivity and induced polarization tomography. <i>Geophysical Journal International</i> , 2021, 225, 1207-1221.	2.4	11
20	Induced polarization of the 1630-monogenetic dome, Furnas volcano, São Miguel Island, Azores archipelago. <i>Journal of Volcanology and Geothermal Research</i> , 2021, 420, 107410.	2.1	0
21	Induced Polarization and Magnetic Responses of Serpentinized Ultramafic Rocks From Mid-Ocean Ridges. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, .	3.4	4
22	Self-Potential Tomography of a Deep-Sea Polymetallic Sulfide Deposit on Southwest Indian Ridge. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019738.	3.4	25
23	Improved Characterization of DNAPL Source Zones via Sequential Hydrogeophysical Inversion of Hydraulic Head, Self-Potential and Partitioning Tracer Data. <i>Water Resources Research</i> , 2020, 56, e2020WR027627.	4.2	18
24	Thank You to Our 2019 Reviewers. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019781.	3.4	0
25	Induced polarization as a tool to characterize shallow landslides. <i>Journal of Hydrology</i> , 2020, 589, 125369.	5.4	22
26	Complex conductivity of rammed earth. <i>Engineering Geology</i> , 2020, 273, 105697.	6.3	9
27	A geophysical index to map alteration, permeability, and mechanical properties within volcanoes. Application to the soft volcanic rocks from Whakaari/White Island (New Zealand). <i>Journal of Volcanology and Geothermal Research</i> , 2020, 401, 106945.	2.1	11
28	Induced polarization as a tool to non-intrusively characterize embankment hydraulic properties. <i>Engineering Geology</i> , 2020, 271, 105604.	6.3	19
29	Improving Simulation Efficiency of MCMC for Inverse Modeling of Hydrologic Systems With a Kalman-Inspired Proposal Distribution. <i>Water Resources Research</i> , 2020, 56, e2019WR025474.	4.2	33
30	Determination of the permeability of seepage flow paths in dams from self-potential measurements. <i>Engineering Geology</i> , 2020, 268, 105514.	6.3	28
31	Integration of Adversarial Autoencoders With Residual Dense Convolutional Networks for Estimation of Non-Gaussian Hydraulic Conductivities. <i>Water Resources Research</i> , 2020, 56, e2019WR026082.	4.2	67
32	Application of spectral induced polarization for characterizing surfactant-enhanced DNAPL remediation in laboratory column experiments. <i>Journal of Contaminant Hydrology</i> , 2020, 230, 103603.	3.3	9
33	Surface Conduction Model for Fractal Porous Media. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL087553.	4.0	11
34	Time-domain induced polarization as a tool to image clogging in treatment wetlands. <i>Science of the Total Environment</i> , 2020, 724, 138189.	8.0	14
35	Complex Conductivity of Graphitic Schists and Sandstones. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 8223-8249.	3.4	18
36	Induced polarization response of porous media with metallic particles – Part 10: Influence of desiccation. <i>Geophysics</i> , 2019, 84, E357-E375.	2.6	14

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37	Mechanistic model of multi-frequency complex conductivity of porous media containing water-wet nonconductive and conductive particles at various water saturations. <i>Advances in Water Resources</i> , 2019, 130, 244-257.	3.8	10
38	Cotransport of <i>Herbaspirillum chlorophenicum</i> FA1 and heavy metals in saturated porous media: Effect of ion type and concentration. <i>Environmental Pollution</i> , 2019, 254, 112940.	7.5	9
39	Transport of a PAH-degrading bacterium in saturated limestone media under various physicochemical conditions: Common and unexpected retention and remobilization behaviors. <i>Journal of Hazardous Materials</i> , 2019, 380, 120858.	12.4	11
40	Induced polarization response of porous media with metallic particles – Part 9: Influence of permafrost. <i>Geophysics</i> , 2019, 84, E337-E355.	2.6	11
41	Application of the Mise-À-la-Masse method to detect the bottom leakage of water reservoirs. <i>Engineering Geology</i> , 2019, 261, 105272.	6.3	13
42	Multiscale induced polarization tomography in hydrogeophysics: A new approach. <i>Advances in Water Resources</i> , 2019, 134, 103451.	3.8	11
43	Influence of CO ₂ on the Electrical Conductivity and Streaming Potential of Carbonate Rocks. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 10056-10073.	3.4	12
44	Coupled hydrogeophysical inversion to identify non-Gaussian hydraulic conductivity field by jointly assimilating geochemical and time-lapse geophysical data. <i>Journal of Hydrology</i> , 2019, 578, 124092.	5.4	27
45	Differential pressure dependence of the complex conductivity of sandstones. <i>Geophysical Journal International</i> , 2019, 219, 2110-2124.	2.4	3
46	3D electrical conductivity imaging of Halema'uma'u lava lake (Kilauea volcano). <i>Journal of Volcanology and Geothermal Research</i> , 2019, 381, 185-192.	2.1	8
47	Induced polarization of volcanic rocks. 3. Imaging clay cap properties in geothermal fields. <i>Geophysical Journal International</i> , 2019, 218, 1398-1427.	2.4	25
48	Low-Frequency Induced Polarization of Porous Media Undergoing Freezing: Preliminary Observations and Modeling. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 4523-4544.	3.4	22
49	Leakage detection of water reservoirs using a Mise-À-la-Masse approach. <i>Journal of Hydrology</i> , 2019, 572, 51-65.	5.4	8
50	Deep Autoregressive Neural Networks for High-Dimensional Inverse Problems in Groundwater Contaminant Source Identification. <i>Water Resources Research</i> , 2019, 55, 3856-3881.	4.2	157
51	Deep Convolutional Encoder-Decoder Networks for Uncertainty Quantification of Dynamic Multiphase Flow in Heterogeneous Media. <i>Water Resources Research</i> , 2019, 55, 703-728.	4.2	201
52	Induced polarization tomography applied to the detection and the monitoring of leaks in embankments. <i>Engineering Geology</i> , 2019, 254, 89-101.	6.3	35
53	Self-potential signals associated with localized leaks in embankment dams and dikes. <i>Engineering Geology</i> , 2019, 253, 229-239.	6.3	33
54	Electrical Conductivity Versus Temperature in Freezing Conditions: A Field Experiment Using a Basket Geothermal Heat Exchanger. <i>Geophysical Research Letters</i> , 2019, 46, 14531-14538.	4.0	5

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55	Three-dimensional modeling of frequency- and time-domain electromagnetic methods with induced polarization effects. <i>Computers and Geosciences</i> , 2019, 124, 85-92.	4.2	26
56	Delineation of contaminant plume for an inorganic contaminated site using electrical resistivity tomography: comparison with direct-push technique. <i>Environmental Monitoring and Assessment</i> , 2018, 190, 187.	2.7	16
57	Variations of petrophysical properties and spectral induced polarization in response to drainage and imbibition: a study on a correlated random tube network. <i>Geophysical Journal International</i> , 2018, 212, 1398-1411.	2.4	24
58	Joint inversion of physical and geochemical parameters in groundwater models by sequential ensemble-based optimal design. <i>Stochastic Environmental Research and Risk Assessment</i> , 2018, 32, 1919-1937.	4.0	7
59	Complex conductivity of volcanic rocks and the geophysical mapping of alteration in volcanoes. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 357, 106-127.	2.1	58
60	3D geostatistical inversion of induced polarization data and its application to coal seam fires. <i>Geophysics</i> , 2018, 83, E133-E150.	2.6	14
61	Complex conductivity of oil-contaminated clayey soils. <i>Journal of Hydrology</i> , 2018, 561, 930-942.	5.4	15
62	Finding buried metallic pipes using a non-destructive approach based on 3D time-domain induced polarization data. <i>Journal of Applied Geophysics</i> , 2018, 151, 234-245.	2.1	5
63	3D electrical conductivity tomography of volcanoes. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 356, 243-263.	2.1	47
64	Complex conductivity of tight sandstones. <i>Geophysics</i> , 2018, 83, E55-E74.	2.6	18
65	Electrical conductivity and induced polarization investigations at Krafla volcano, Iceland. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 368, 73-90.	2.1	12
66	Streaming Potential Coupling Coefficient and Transport Properties of Unsaturated Carbonate Rocks. <i>Vadose Zone Journal</i> , 2018, 17, 180030.	2.2	13
67	Coupled hydrogeophysical inversion of DNAPL source zone architecture and permeability field in a 3D heterogeneous sandbox by assimilation time-lapse cross-borehole electrical resistivity data via ensemble Kalman filtering. <i>Journal of Hydrology</i> , 2018, 567, 149-164.	5.4	26
68	Electrical conductivity and induced polarization investigations at Kilauea volcano, Hawai'i. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 368, 31-50.	2.1	14
69	Three-Dimensional Electrical Conductivity and Induced Polarization Tomography of a Rock Glacier. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 9528-9554.	3.4	53
70	Induced polarization response of porous media with metallic particles – Part 8: Influence of temperature and salinity. <i>Geophysics</i> , 2018, 83, E435-E456.	2.6	24
71	Simulation of Core Phases From Coda Interferometry. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 4983-4999.	3.4	4
72	Advances in Multiphase Flow and Transport in the Subsurface Environment. <i>Geofluids</i> , 2018, 2018, 1-2.	0.7	5

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73	Retention and Transport of Bisphenol A and Bisphenol S in Saturated Limestone Porous Media. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	16
74	Transport of water and ions in partially water-saturated porous media. Part 3. Electrical conductivity. <i>Advances in Water Resources</i> , 2018, 121, 97-111.	3.8	15
75	Large-scale, probabilistic salinity mapping using airborne electromagnetics for groundwater management in Zeeland, the Netherlands. <i>Environmental Research Letters</i> , 2018, 13, 084011.	5.2	44
76	Induced polarization response of porous media with metallic particles – Part 7: Detection and quantification of buried slag heaps. <i>Geophysics</i> , 2018, 83, E277-E291.	2.6	24
77	Chargeability of Porous Rocks With or Without Metallic Particles. <i>Petrophysics</i> , 2018, 59, 543-552.	0.3	2
78	Transport of water and ions in partially water-saturated porous media. Part 1. Constitutive equations. <i>Advances in Water Resources</i> , 2017, 103, 119-138.	3.8	43
79	Piceance Basin Mesaverde anomalous self-potential response: Identification of capillary seals in a basin-centered gas accumulation. <i>AAPG Bulletin</i> , 2017, 101, 19-37.	1.5	9
80	Induced polarization response of porous media with metallic particles – Part 5: Influence of the background polarization. <i>Geophysics</i> , 2017, 82, E77-E96.	2.6	21
81	Complex electrical conductivity changes associated with hydrous pyrolysis maturation of the Woodford Shale. <i>Geophysics</i> , 2017, 82, D85-D106.	2.6	10
82	Induced polarization response of porous media with metallic particles – Part 6: The case of metals and semimetals. <i>Geophysics</i> , 2017, 82, E97-E110.	2.6	21
83	Retention and transport of graphene oxide in water-saturated limestone media. <i>Chemosphere</i> , 2017, 180, 506-512.	8.2	58
84	Induced polarization of volcanic rocks – 1. Surface versus quadrature conductivity. <i>Geophysical Journal International</i> , 2017, 208, 826-844.	2.4	47
85	Upscaling of spectral induced polarization response using random tube networks. <i>Geophysical Journal International</i> , 2017, 209, 948-960.	2.4	19
86	Relationship between electrical conductivity anisotropy and fabric anisotropy in granular materials during drained triaxial compressive tests: a numerical approach. <i>Geophysical Journal International</i> , 2017, 210, 1-17.	2.4	10
87	Streaming potential coupling coefficient in unsaturated carbonate rocks. <i>Geophysical Journal International</i> , 2017, 210, 291-302.	2.4	8
88	Correlation analysis for spread-spectrum induced-polarization signal processing in electromagnetically noisy environments. <i>Geophysics</i> , 2017, 82, E243-E256.	2.6	24
89	Alteration of volcanic rocks: A new non-intrusive indicator based on induced polarization measurements. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 341, 351-362.	2.1	36
90	Induced polarization of volcanic rocks. 2. Influence of pore size and permeability. <i>Geophysical Journal International</i> , 2017, 208, 814-825.	2.4	31

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91	Induced polarization signature of coal seam fires. <i>Geophysical Journal International</i> , 2017, 208, 1313-1331.	2.4	13
92	Redox potential distribution of an organic-rich contaminated site obtained by the inversion of self-potential data. <i>Journal of Hydrology</i> , 2017, 554, 111-127.	5.4	23
93	Three-Dimensional Electrical Resistivity Tomography of the Solfatara Crater (Italy): Implication for the Multiphase Flow Structure of the Shallow Hydrothermal System. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 8749-8768.	3.4	62
94	Comment on "Electrical conductance of a sandstone partially saturated with varying concentrations of NaCl solutions" by R. Umezawa, N. Nishiyama, M. Katsura and S. Nakashima. <i>Geophysical Journal International</i> , 2017, 211, 1099-1103.	2.4	1
95	Self-potential: A Non-intrusive Ground Water Flow Sensor. <i>Journal of Environmental and Engineering Geophysics</i> , 2017, 22, 235-247.	0.5	24
96	Comment on "Dependence of shear wave seismoelectrics on soil textures: a numerical study in the vadose zone" by F.I. Zyserman, L.B. Monachesi and L. Jouniaux. <i>Geophysical Journal International</i> , 2017, 209, 1095-1098.	2.4	4
97	Complex conductivity of soils. <i>Water Resources Research</i> , 2017, 53, 7121-7147.	4.2	109
98	A Taylor Expansion-Based Adaptive Design Strategy for Global Surrogate Modeling With Applications in Groundwater Modeling. <i>Water Resources Research</i> , 2017, 53, 10802-10823.	4.2	40
99	Comprehensive evaluation of shallow groundwater quality in Central and Southern Jiangsu Province, China. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	9
100	Retention and Transport of PAH-Degrading Bacterium <i>Herbaspirillum chlorophenolicum</i> FA1 in Saturated Porous Media Under Various Physicochemical Conditions. <i>Water, Air, and Soil Pollution</i> , 2017, 228, 1.	2.4	9
101	Transport of water and ions in partially water-saturated porous media. Part 2. Filtration effects. <i>Advances in Water Resources</i> , 2017, 103, 139-152.	3.8	24
102	Quantitative assessment of electrical resistivity tomography for monitoring DNAPLs migration " Comparison with high-resolution light transmission visualization in laboratory sandbox. <i>Journal of Hydrology</i> , 2017, 544, 254-266.	5.4	30
103	Induced polarization response of porous media with metallic particles " Part 4: Detection of metallic and nonmetallic targets in time-domain induced polarization tomography. <i>Geophysics</i> , 2016, 81, D359-D375.	2.6	43
104	A laboratory investigation of the thermoelectric effect. <i>Geophysics</i> , 2016, 81, E243-E257.	2.6	13
105	Biodegradation of Pyrene by Free and Immobilized Cells of <i>Herbaspirillum chlorophenolicum</i> Strain FA1. <i>Water, Air, and Soil Pollution</i> , 2016, 227, 1.	2.4	21
106	Effects of grain size and structural heterogeneity on the transport and retention of nano-TiO ₂ in saturated porous media. <i>Science of the Total Environment</i> , 2016, 563-564, 987-995.	8.0	53
107	Salinity dependence of the complex surface conductivity of the Portland sandstone. <i>Geophysics</i> , 2016, 81, D125-D140.	2.6	42
108	Interfacial polarization of disseminated conductive minerals in absence of redox-active species " Part 1: Mechanistic model and validation. <i>Geophysics</i> , 2016, 81, E139-E157.	2.6	64

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109	Interfacial polarization of disseminated conductive minerals in absence of redox-active species " Part 2: Effective electrical conductivity and dielectric permittivity. <i>Geophysics</i> , 2016, 81, E159-E176.	2.6	45
110	Joint inversion of hydraulic head and self-potential data associated with harmonic pumping tests. <i>Water Resources Research</i> , 2016, 52, 6769-6791.	4.2	29
111	Transport of sulfacetamide and levofloxacin in granular porous media under various conditions: Experimental observations and model simulations. <i>Science of the Total Environment</i> , 2016, 573, 1630-1637.	8.0	24
112	Comment on: "Feasibility of electromagnetic methods to detect and image steam-assisted gravity drainage steam chambers" (S. G. R. Devriese and D. W. Oldenburg, <i>Geophysics</i> , 81, no. 4, E227-E244). <i>Geophysics</i> , 2016, 81, X1-X2.	2.6	0
113	Retention and Release of Graphene Oxide in Structured Heterogeneous Porous Media under Saturated and Unsaturated Conditions. <i>Environmental Science & Technology</i> , 2016, 50, 10397-10405.	10.0	49
114	Effects of surface active agents on DNAPL migration and distribution in saturated porous media. <i>Science of the Total Environment</i> , 2016, 571, 1147-1154.	8.0	21
115	Time-lapse joint inversion of geophysical data with automatic joint constraints and dynamic attributes. <i>Geophysical Journal International</i> , 2016, 207, 1401-1419.	2.4	14
116	Textural control on the quadrature conductivity of porous media. <i>Geophysics</i> , 2016, 81, E297-E309.	2.6	25
117	Induced polarization response of porous media with metallic particles " Part 3: A new approach to time-domain induced polarization tomography. <i>Geophysics</i> , 2016, 81, D345-D357.	2.6	32
118	Removal of levofloxacin from aqueous solution using rice-husk and wood-chip biochars. <i>Chemosphere</i> , 2016, 150, 694-701.	8.2	119
119	Stochastic structure-constrained image-guided inversion of geophysical data. <i>Geophysics</i> , 2016, 81, E89-E101.	2.6	12
120	Experimental and numerical modeling of chemical osmosis in the clay samples of the aquitard in the North China Plain. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	9
121	Connecting complex conductivity spectra to mercury porosimetry of sedimentary rocks. <i>Geophysics</i> , 2016, 81, E17-E32.	2.6	33
122	The effects of artificial recharge of groundwater on controlling land subsidence and its influence on groundwater quality and aquifer energy storage in Shanghai, China. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	2.7	74
123	Specific storage and hydraulic conductivity tomography through the joint inversion of hydraulic heads and self-potential data. <i>Advances in Water Resources</i> , 2016, 89, 80-90.	3.8	29
124	Predicting permeability from the characteristic relaxation time and intrinsic formation factor of complex conductivity spectra. <i>Water Resources Research</i> , 2015, 51, 6672-6700.	4.2	86
125	An appreciation to the peer reviewers for <i>JGR Solid Earth</i> in 2014. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 4681-4688.	3.4	0
126	Measurements of elastic and electrical properties of an unconventional organic shale under differential loading. <i>Geophysics</i> , 2015, 80, D363-D383.	2.6	28

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127	Seismoelectric couplings in a poroelastic material containing two immiscible fluid phases. <i>Geophysical Journal International</i> , 2015, 202, 850-870.	2.4	32
128	Characterization of the regional groundwater quality evolution in the North Plain of Jiangsu Province, China. <i>Environmental Earth Sciences</i> , 2015, 74, 5587-5604.	2.7	11
129	2D joint inversion of geophysical data using petrophysical clustering and facies deformation. <i>Geophysics</i> , 2015, 80, M69-M88.	2.6	19
130	Resistivity and self-potential tomography applied to groundwater remediation and contaminant plumes: Sandbox and field experiments. <i>Journal of Hydrology</i> , 2015, 530, 1-14.	5.4	59
131	The emergence of hydrogeophysics for improved understanding of subsurface processes over multiple scales. <i>Water Resources Research</i> , 2015, 51, 3837-3866.	4.2	479
132	Induced polarization response of porous media with metallic particles " Part 1: A theory for disseminated semiconductors. <i>Geophysics</i> , 2015, 80, D525-D538.	2.6	105
133	Induced polarization response of porous media with metallic particles " Part 2: Comparison with a broad database of experimental data. <i>Geophysics</i> , 2015, 80, D539-D552.	2.6	79
134	Influence of flow velocity and spatial heterogeneity on DNAPL migration in porous media: insights from laboratory experiments and numerical modelling. <i>Hydrogeology Journal</i> , 2015, 23, 1703-1718.	2.1	38
135	Evaluating the potential for quantitative monitoring of in situ chemical oxidation of aqueous phase TCE using in phase and quadrature electrical conductivity. <i>Water Resources Research</i> , 2015, 51, 5239-5259.	4.2	9
136	HT2DINV: A 2D forward and inverse code for steady-state and transient hydraulic tomography problems. <i>Computers and Geosciences</i> , 2015, 85, 36-44.	4.2	8
137	4D time-lapse ERT inversion: introducing combined time and space constraints. <i>Near Surface Geophysics</i> , 2014, 12, 25-34.	1.2	56
138	Effects of Humic Acid and Solution Chemistry on the Retention and Transport of Cerium Dioxide Nanoparticles in Saturated Porous Media. <i>Water, Air, and Soil Pollution</i> , 2014, 225, 1.	2.4	45
139	Spectral induced polarization porosimetry. <i>Geophysical Journal International</i> , 2014, 198, 1016-1033.	2.4	80
140	Design and Implementation of Geophysical Monitoring and Remote Sensing during a Full-Scale Embankment Internal Erosion Test. , 2014, , .		5
141	Geophysical Methods for Monitoring Temperature Changes in Shallow Low Enthalpy Geothermal Systems. <i>Energies</i> , 2014, 7, 5083-5118.	3.1	73
142	Comment on "Cooperative constrained inversion of multiple electromagnetic data sets" (Michael S.) <i>TJ ETQq0 0 0 rgBT /Overlock 1</i> 2014, 79, X27-X31.	2.6	4
143	Spectral induced polarization of clay-sand mixtures: Experiments and modeling. <i>Geophysics</i> , 2014, 79, E353-E375.	2.6	67
144	Image-guided inversion of electrical resistivity data. <i>Geophysical Journal International</i> , 2014, 197, 292-309.	2.4	96

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145	Modeling Transient Streaming Potentials in Falling-Head Permeameter Tests. <i>Ground Water</i> , 2014, 52, 535-549.	1.3	2
146	Grain Shape Effects on Permeability, Formation Factor, and Capillary Pressure from Pore-Scale Modeling. <i>Transport in Porous Media</i> , 2014, 102, 71-90.	2.6	66
147	Hydraulic conductivity field characterization from the joint inversion of hydraulic heads and self-potential data. <i>Water Resources Research</i> , 2014, 50, 3502-3522.	4.2	48
148	Quadrature conductivity: A quantitative indicator of bacterial abundance in porous media. <i>Geophysics</i> , 2014, 79, D363-D375.	2.6	21
149	Mapping electron sources and sinks in a marine biogeobattery. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2014, 119, 1475-1486.	3.0	68
150	Electrical conductivity, induced polarization, and permeability of the Fontainebleau sandstone. <i>Geophysics</i> , 2014, 79, D301-D318.	2.6	119
151	Inversion of generalized relaxation time distributions with optimized damping parameter. <i>Journal of Applied Geophysics</i> , 2014, 109, 119-132.	2.1	37
152	Analysis of sources of bulk conductivity change in saturated silica sand after unbuffered TCE oxidation by permanganate. <i>Journal of Contaminant Hydrology</i> , 2014, 165, 11-23.	3.3	10
153	Pore-scale modeling of electrical resistivity and permeability in FIB-SEM images of organic mudrock. <i>Geophysics</i> , 2014, 79, D289-D299.	2.6	28
154	Characterization of groundwater and surface water mixing in a semiconfined karst aquifer using time-lapse electrical resistivity tomography. <i>Water Resources Research</i> , 2014, 50, 2566-2585.	4.2	41
155	Assessment of parametric uncertainty for groundwater reactive transport modeling. <i>Water Resources Research</i> , 2014, 50, 4416-4439.	4.2	55
156	Localization of a coal seam fire using combined self-potential and resistivity data. <i>International Journal of Coal Geology</i> , 2014, 128-129, 109-118.	5.0	40
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