

Adrian Flores Orozco

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,355
citations

430874

18
h-index

345221

36
g-index

60
all docs

60
docs citations

60
times ranked

1090
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview of the spectral induced polarization method for near-surface applications. <i>Near Surface Geophysics</i> , 2012, 10, 453-468.	1.2	233
2	Temperature-calibrated imaging of seasonal changes in permafrost rock walls by quantitative electrical resistivity tomography (Zugspitze, German/Austrian Alps). <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	99
3	Delineation of subsurface hydrocarbon contamination at a former hydrogenation plant using spectral induced polarization imaging. <i>Journal of Contaminant Hydrology</i> , 2012, 136-137, 131-144.	3.3	95
4	Using complex resistivity imaging to infer biogeochemical processes associated with bioremediation of an uranium-contaminated aquifer. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	79
5	The Hydrological Open Air Laboratory (HOAL) in Petzenkirchen: a hypothesis-driven observatory. <i>Hydrology and Earth System Sciences</i> , 2016, 20, 227-255.	4.9	77
6	Monitoring the Injection of Microscale Zerovalent Iron Particles for Groundwater Remediation by Means of Complex Electrical Conductivity Imaging. <i>Environmental Science & Technology</i> , 2015, 49, 5593-5600.	10.0	62
7	Data error quantification in spectral induced polarization imaging. <i>Geophysics</i> , 2012, 77, E227-E237.	2.6	55
8	Noninvasive characterization of the Trecate (Italy) crude-oil contaminated site: links between contamination and geophysical signals. <i>Environmental Science and Pollution Research</i> , 2014, 21, 8914-8931.	5.3	55
9	Mountain permafrost degradation documented through a network of permanent electrical resistivity tomography sites. <i>Cryosphere</i> , 2019, 13, 2557-2578.	3.9	54
10	Time-lapse spectral induced polarization imaging of stimulated uranium bioremediation. <i>Near Surface Geophysics</i> , 2013, 11, 531-544.	1.2	50
11	Electrochemical polarization around metallic particles " Part 1: The role of diffuse-layer and volume-diffusion relaxation. <i>Geophysics</i> , 2018, 83, E203-E217.	2.6	42
12	Long-term ERT monitoring of biogeochemical changes of an aged hydrocarbon contamination. <i>Journal of Contaminant Hydrology</i> , 2017, 201, 19-29.	3.3	40
13	On the Role of Stern- and Diffuse-Layer Polarization Mechanisms in Porous Media. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 5656-5677.	3.4	39
14	A new approach for time-lapse data weighting in electrical resistivity tomography. <i>Geophysics</i> , 2017, 82, E325-E333.	2.6	38
15	Hierarchical Bayesian method for mapping biogeochemical hot spots using induced polarization imaging. <i>Water Resources Research</i> , 2016, 52, 533-551.	4.2	36
16	Complex-conductivity imaging for the understanding of landslide architecture. <i>Engineering Geology</i> , 2018, 243, 241-252.	6.3	35
17	Estimating the spatiotemporal distribution of geochemical parameters associated with biostimulation using spectral induced polarization data and hierarchical Bayesian models. <i>Water Resources Research</i> , 2012, 48, .	4.2	23
18	Delineation of subsurface variability in clay-rich landslides through spectral induced polarization imaging and electromagnetic methods. <i>Engineering Geology</i> , 2018, 245, 292-308.	6.3	22

#	ARTICLE	IF	CITATIONS
19	Decay curve analysis for data error quantification in time-domain induced polarization imaging. <i>Geophysics</i> , 2018, 83, E75-E86.	2.6	20
20	Complex-conductivity monitoring to delineate aquifer pore clogging during nanoparticles injection. <i>Geophysical Journal International</i> , 2019, 218, 1838-1852.	2.4	15
21	Electrochemical polarization around metallic particles " Part 2: The role of diffuse surface charge. <i>Geophysics</i> , 2019, 84, E57-E73.	2.6	15
22	Delineation of hydrocarbon contaminants with multi-frequency complex conductivity imaging. <i>Science of the Total Environment</i> , 2021, 768, 144997.	8.0	15
23	Investigation of cable effects in spectral induced polarization imaging at the field scale using multicore and coaxial cables. <i>Geophysics</i> , 2021, 86, E59-E75.	2.6	14
24	Integrated land and water-borne geophysical surveys shed light on the sudden drying of large karst lakes in southern Mexico. <i>Solid Earth</i> , 2021, 12, 439-461.	2.8	14
25	An analytical membrane-polarization model to predict the complex conductivity signature of immiscible liquid hydrocarbon contaminants. <i>Near Surface Geophysics</i> , 2017, 15, 547-562.	1.2	13
26	Reconstruction quality of SIP parameters in multi-frequency complex resistivity imaging. <i>Near Surface Geophysics</i> , 2017, 15, 187-199.	1.2	13
27	Evaluation of spectral induced polarization field measurements in time and frequency domain. <i>Journal of Applied Geophysics</i> , 2020, 180, 104141.	2.1	12
28	Improved estimation of ice and water contents in alpine permafrost through constrained petrophysical joint inversion: The Hoher Sonnblick case study. <i>Geophysics</i> , 2021, 86, WB61-WB75.	2.6	12
29	Analysis of time-lapse data error in complex conductivity imaging to alleviate anthropogenic noise for site characterization. <i>Geophysics</i> , 2019, 84, B181-B193.	2.6	11
30	Broadband Electrical Impedance Tomography for Subsurface Characterization Using Improved Corrections of Electromagnetic Coupling and Spectral Regularization. <i>Advanced Technologies in Earth Sciences</i> , 2014, , 1-20.	0.9	11
31	Quantitative water content estimation in landfills through joint inversion of seismic refraction and electrical resistivity data considering surface conduction. <i>Waste Management</i> , 2022, 149, 21-32.	7.4	10
32	High-resolution induced polarization imaging of biogeochemical carbon turnover hotspots in a peatland. <i>Biogeosciences</i> , 2021, 18, 4039-4058.	3.3	9
33	" Geoelectrical and Electromagnetic Methods Applied to Paleolimnological Studies: Two Examples from Desiccated Lakes in the Basin of Mexico". <i>Boletin De La Sociedad Geologica Mexicana</i> , 2017, 69, 279-298.	0.3	8
34	Spectral induced polarization imaging to investigate an ice-rich mountain permafrost site in Switzerland. <i>Cryosphere</i> , 2022, 16, 1903-1925.	3.9	6
35	A Flexible Single Loop Setup for Water-Borne Transient Electromagnetic Sounding Applications. <i>Sensors</i> , 2021, 21, 6624.	3.8	4
36	Evaluation of Lake Sediment Thickness from Water-Borne Electrical Resistivity Tomography Data. <i>Sensors</i> , 2021, 21, 8053.	3.8	3