Adrian Flores Orozco

List of Publications by Year
in descending order

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	Spectral induced polarization imaging to investigate an ice-rich mountain permafrost site in Switzerland. Cryosphere, 2022, 16, 1903-1925.	3.9	6
2	Quantitative water content estimation in landfills through joint inversion of seismic refraction and electrical resistivity data considering surface conduction. Waste Management, 2022, 149, 21-32.	7.4	10
3	Investigation of cable effects in spectral induced polarization imaging at the field scale using multicore and coaxial cables. Geophysics, 2021, 86, E59-E75.	2.6	14
4	Integrated land and water-borne geophysical surveys shed light on the sudden drying of large karst lakes in southern Mexico. Solid Earth, 2021, 12, 439-461.	2.8	14
5	Delineation of hydrocarbon contaminants with multi-frequency complex conductivity imaging. Science of the Total Environment, 2021, 768, 144997.	8.0	15
6	Improved estimation of ice and water contents in alpine permafrost through constrained petrophysical joint inversion: The Hoher Sonnblick case study. Geophysics, 2021, 86, WB61-WB75.	2.6	12
7	High-resolution induced polarization imaging of biogeochemical carbon turnover hotspots in a peatland. Biogeosciences, 2021, 18, 4039-4058.	3.3	9
8	A Flexible Single Loop Setup for Water-Borne Transient Electromagnetic Sounding Applications. Sensors, 2021, 21, 6624.	3.8	4
9	Evaluation of Lake Sediment Thickness from Water-Borne Electrical Resistivity Tomography Data. Sensors, 2021, 21, 8053.	3.8	3
10	Evaluation of spectral induced polarization field measurements in time and frequency domain. Journal of Applied Geophysics, 2020, 180, 104141.	2.1	12
11	Complex-conductivity monitoring to delineate aquifer pore clogging during nanoparticles injection. Geophysical Journal International, 2019, 218, 1838-1852.	2.4	15
12	On the Role of Sternâ€•and Diffuseâ€Layer Polarization Mechanisms in Porous Media. Journal of Geophysical Research: Solid Earth, 2019, 124, 5656-5677.	3.4	39
13	Analysis of time-lapse data error in complex conductivity imaging to alleviate anthropogenic noise for site characterization. Geophysics, 2019, 84, B181-B193.	2.6	11
14	Mountain permafrost degradation documented through a network of permanent electrical resistivity tomography sites. Cryosphere, 2019, 13, 2557-2578.	3.9	54
15	Electrochemical polarization around metallic particles â€" Part 2: The role of diffuse surface charge. Geophysics, 2019, 84, E57-E73.	2.6	15
16	Electrochemical polarization around metallic particles â€" Part 1: The role of diffuse-layer and volume-diffusion relaxation. Geophysics, 2018, 83, E203-E217.	2.6	42
17	Decay curve analysis for data error quantification in time-domain induced polarization imaging. Geophysics, 2018, 83, E75-E86.	2.6	20
18	Delineation of subsurface variability in clay-rich landslides through spectral induced polarization imaging and electromagnetic methods. Engineering Geology, 2018, 245, 292-308.	6.3	22

#	Article	IF	Citations
19	Complex-conductivity imaging for the understanding of landslide architecture. Engineering Geology, 2018, 243, 241-252.	6.3	35
20	Long-term ERT monitoring of biogeochemical changes of an aged hydrocarbon contamination. Journal of Contaminant Hydrology, 2017, 201, 19-29.	3.3	40
21	A new approach for time-lapse data weighting in electrical resistivity tomography. Geophysics, 2017, 82, E325-E333.	2.6	38
22	An analytical membraneâ€polarization model to predict the complex conductivity signature of immiscible liquid hydrocarbon contaminants. Near Surface Geophysics, 2017, 15, 547-562.	1.2	13
23	Reconstruction quality of SIP parameters in multiâ€frequency complex resistivity imaging. Near Surface Geophysics, 2017, 15, 187-199.	1.2	13
24	" Geoelectrical and Electromagnetic Methods Applied to Paleolimnological Studies: Two Examples from Desiccated Lakes in the Basin of Mexico". Boletin De La Sociedad Geologica Mexicana, 2017, 69, 279-298.	0.3	8
25	The Hydrological Open Air Laboratory (HOAL) in Petzenkirchen: a hypothesis-driven observatory. Hydrology and Earth System Sciences, 2016, 20, 227-255.	4.9	77
26	Hierarchical Bayesian method for mapping biogeochemical hot spots using induced polarization imaging. Water Resources Research, 2016, 52, 533-551.	4.2	36
27	Monitoring the Injection of Microscale Zerovalent Iron Particles for Groundwater Remediation by Means of Complex Electrical Conductivity Imaging. Environmental Science & Technology, 2015, 49, 5593-5600.	10.0	62
28	Noninvasive characterization of the Trecate (Italy) crude-oil contaminated site: links between contamination and geophysical signals. Environmental Science and Pollution Research, 2014, 21, 8914-8931.	5.3	55
29	Broadband Electrical Impedance Tomography for Subsurface Characterization Using Improved Corrections of Electromagnetic Coupling and Spectral Regularization. Advanced Technologies in Earth Sciences, 2014, , 1-20.	0.9	11
30	Timeâ€lapse spectral induced polarization imaging of stimulated uranium bioremediation. Near Surface Geophysics, 2013, 11, 531-544.	1.2	50
31	Data error quantification in spectral induced polarization imaging. Geophysics, 2012, 77, E227-E237.	2.6	55
32	Delineation of subsurface hydrocarbon contamination at a former hydrogenation plant using spectral induced polarization imaging. Journal of Contaminant Hydrology, 2012, 136-137, 131-144.	3.3	95
33	Estimating the spatiotemporal distribution of geochemical parameters associated with biostimulation using spectral induced polarization data and hierarchical Bayesian models. Water Resources Research, 2012, 48, .	4.2	23
34	An overview of the spectral induced polarization method for nearâ€surface applications. Near Surface Geophysics, 2012, 10, 453-468.	1.2	233
35	Using complex resistivity imaging to infer biogeochemical processes associated with bioremediation of an uranium-contaminated aquifer. Journal of Geophysical Research, 2011, 116, .	3.3	79
36	Temperatureâ€calibrated imaging of seasonal changes in permafrost rock walls by quantitative electrical resistivity tomography (Zugspitze, German/Austrian Alps). Journal of Geophysical Research, 2010, 115, .	3.3	99