Zhenwei Guo

List of Publications by Year
in descending order

27 papers	203 citations	1478505 6 h-index	1125743 13 g-index
27 all docs	27 docs citations	27 times ranked	151 citing authors

#	Article	IF	Citations
1	Electromagnetic methods for mineral exploration in China: A review. Ore Geology Reviews, 2020, 118, 103357.	2.7	50
2	A hybrid solver based on the integral equation method and vector finite-element method for 3D controlled-source electromagnetic method modeling. Geophysics, 2018, 83, E319-E333.	2.6	26
3	Seismic characterization of fractured reservoirs with elastic impedance difference versus angle and azimuth: A low-frequency poroelasticity perspective. Geophysics, 2021, 86, M123-M139.	2.6	19
4	Image-guided regularization of marine electromagnetic inversion. Geophysics, 2017, 82, E221-E232.	2.6	17
5	Application of the CSAMT Method to Pbâ€"Zn Mineral Deposits: A Case Study in Jianshui, China. Minerals (Basel, Switzerland), 2019, 9, 726.	2.0	17
6	Inversion for magnetotelluric data using the particle swarm optimization and regularized least squares. Journal of Applied Geophysics, 2020, 181, 104156.	2.1	9
7	Application of Frequency-Dependent Traveltime Tomography to 2D Crosswell Seismic Field Data. Journal of Environmental and Engineering Geophysics, 2017, 22, 421-426.	0.5	7
8	Sparse CSEM inversion driven by seismic coherence. Journal of Geophysics and Engineering, 2016, 13, 858-867.	1.4	5
9	Comparison of marine controlled-source electromagnetic data acquisition systems by a reservoir sensitivity index: analyzing the effect of water depths. Acta Oceanologica Sinica, 2016, 35, 113-119.	1.0	5
10	Geophysical Field Data Interpolation Using Stochastic Partial Differential Equations for Gold Exploration in Dayaoshan, Guangxi, China. Minerals (Basel, Switzerland), 2019, 9, 14.	2.0	5
11	Stable Finite-Difference Methods for Elastic Wave Modeling with Characteristic Boundary Conditions. Mathematics, 2020, 8, 1039.	2.2	5
12	3-D Butterworth Filtering for 3-D High-density Onshore Seismic Field Data. Journal of Environmental and Engineering Geophysics, 2018, 23, 223-233.	0.5	5
13	Sensitivity and Resolution of Controlled-Source Electromagnetic Method for Gas Hydrate Stable Zone. Energies, 2021, 14, 8318.	3.1	5
14	Groundwater Detection Using the Pseudo-3D Resistivity Method: A History of Case Studies. Applied Sciences (Switzerland), 2022, 12, 6788.	2.5	5
15	Comparison of structured and unstructured grids in marine controlled source electromagnetic inversions for offshore hydrocarbon exploration. Marine and Petroleum Geology, 2019, 100, 204-211.	3.3	4
16	Geophysical electromagnetic modeling and evaluation: A review. Journal of Applied Geophysics, 2021, 194, 104438.	2.1	4
17	Application of a Wide-Field Electromagnetic Method for Hot Dry Rock Exploration: A Case Study in the Gonghe Basin, Qinghai, China. Minerals (Basel, Switzerland), 2021, 11, 1105.	2.0	4
18	Effect of Regulation on the Increasing Price of Metals and Minerals to Meet the Challenges in Clean Energy Transitions: A Case Study of China. Sustainability, 2022, 14, 764.	3.2	4

#	ARTICLE	IF	CITATIONS
19	Comparison of Detection Capability by the Controlled Source Electromagnetic Method for Hydrocarbon Exploration. Energies, 2018, 11, 1839.	3.1	2
20	Stability analysis-based reformulation of wave equations for poro-elastic media saturated with two fluids. Geophysical Journal International, 2021, 226, 327-344.	2.4	2
21	Deep-neural-networks-based approaches for Biot–squirt model in rock physics. Acta Geophysica, 2022, 70, 593-607.	2.0	2
22	An element-free Galerkin method based on adaptive background cells for 2.5D DC resistivity modeling. , 2018, , .		1
23	Application of dictionary learning in marine CSEM denoising. , 2021, , .		0
24	Modelling magnetic field data using stochastic partial differential equations. , 2017, , .		0
25	Three Dimensional Magnetotelluric Forward Modelling using Gauge Potential Approach. , 2018, , .		0
26	Urban ground exploration using Pseudo-3D conducting electrical method. , 2019, , .		0
27	Inversion of reservoir parameters based on the rock physics model and neural ODEs. , 2020, , .		0