Ali Moradzadeh

List of Publications by Year
in descending order

49	1,055	471509 17	434195 31
papers	citations	h-index	g-index

49	49	49	946
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Prediction of geological hazardous zones in front of a tunnel face using TSP-203 and artificial neural networks. Tunnelling and Underground Space Technology, 2008, 23, 711-717.	6.2	152
2	Practical application of failure criteria in determining safe mud weight windows in drilling operations. Journal of Rock Mechanics and Geotechnical Engineering, 2014, 6, 13-25.	8.1	115
3	Classification and identification of hydrocarbon reservoir lithofacies and their heterogeneity using seismic attributes, logs data and artificial neural networks. Journal of Petroleum Science and Engineering, 2012, 82-83, 151-165.	4.2	112
4	Comparison of different failure criteria in prediction of safe mud weigh window in drilling practice. Earth-Science Reviews, 2014, 136, 36-58.	9.1	76
5	Applications of artificial intelligence methods in prediction of permeability in hydrocarbon reservoirs. Journal of Petroleum Science and Engineering, 2014, 122, 643-656.	4.2	53
6	Optimal determination of rheological parameters for herschel-bulkley drilling fluids using genetic algorithms (GAs). Korea Australia Rheology Journal, 2012, 24, 163-170.	1.7	35
7	CFD Simulation of Rheological Model Effect on Cuttings Transport. Journal of Dispersion Science and Technology, 2015, 36, 402-410.	2.4	33
8	Assessing the Performance of Independent Component Analysis in Remote Sensing Data Processing. Journal of the Indian Society of Remote Sensing, 2012, 40, 577-588.	2.4	29
9	Simulation of cuttings transport with foam in deviated wellbores using computational fluid dynamics. Journal of Petroleum Exploration and Production, 2014, 4, 263-273.	2.4	29
10	Geochemical characterisation of pyrite oxidation and environmental problems related to release and transport of metals from a coal washing low-grade waste dump, Shahrood, northeast Iran. Environmental Monitoring and Assessment, 2011, 183, 41-55.	2.7	27
11	Detection of High-Potential Oil and Gas Fields Using Normalized Full Gradient of Gravity Anomalies: A Case Study in the Tabas Basin, Eastern Iran. Pure and Applied Geophysics, 2011, 168, 1851-1863.	1.9	23
12	Fast 3D Focusing Inversion of Gravity Data Using Reweighted Regularized Lanczos Bidiagonalization Method. Pure and Applied Geophysics, 2017, 174, 359-374.	1.9	22
13	Fast 3D inversion of gravity data using solution space priorconditioned lanczos bidiagonalization. Journal of Applied Geophysics, 2017, 136, 42-50.	2.1	21
14	An improvement in wavefield extrapolation and imaging condition to suppress reverse time migration artifacts. Geophysics, 2017, 82, S403-S409.	2.6	19
15	3-D inversion of MT data from the Sabalan geothermal field, Ardabil, Iran. Journal of Applied Geophysics, 2013, 93, 12-24.	2.1	18
16	Mapping the flow pathways and contaminants transportation around a coal washing plant using the VLF-EM, Geo-electrical and IP techniquesâ€"A case study, NE Iran. Environmental Earth Sciences, 2016, 75, 1.	2.7	18
17	Curie Point Depth, Geothermal Gradient and Heat-Flow Estimation and Geothermal Anomaly Exploration from Integrated Analysis of Aeromagnetic and Gravity Data on the Sabalan Area, NW Iran. Pure and Applied Geophysics, 2017, 174, 1133-1152.	1.9	18
18	Shear wave velocity prediction using seismic attributes and well log data. Acta Geophysica, 2014, 62, 818-848.	2.0	17

#	Article	IF	Citations
19	Estimation of Curie point depths and heat flow from Ardebil province, Iran, using aeromagnetic data. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	17
20	Geoeconomics of fluorspar as strategic and critical mineral in Iran. Resources Policy, 2017, 52, 100-106.	9.6	17
21	Predicting pyrite oxidation and multi-component reactive transport processes from an abandoned coal waste pile by comparing 2D numerical modeling and 3D geo-electrical inversion. International Journal of Coal Geology, 2016, 164, 13-24.	5.0	16
22	An Improved 3D Joint Inversion Method of Potential Field Data Using Cross-Gradient Constraint and LSQR Method. Pure and Applied Geophysics, 2018, 175, 4389-4409.	1.9	16
23	Geostatistical seismic inversion for nonâ€stationary patterns using direct sequential simulation and coâ€simulation. Geophysical Prospecting, 2017, 65, 25-48.	1.9	14
24	Estimation of depth to salt domes from normalized full gradient of gravity anomaly and examples from the USA and Denmark. Journal of Earth Science (Wuhan, China), 2009, 20, 1012-1016.	3.2	13
25	Comparison of Several Different Methods of in situ stress determination. International Journal of Rock Mechanics and Minings Sciences, 2014, 71, 395-404.	5.8	12
26	A statistical model to relate pyrite oxidation and oxygen transport within a coal waste pile: case study, Alborz Sharghi, northeast of Iran. Environmental Earth Sciences, 2014, 71, 4693-4702.	2.7	12
27	Application of magnetic and gravity methods to the exploration of sodium sulfate deposits, case study: Garmab mine, Semnan, Iran. Journal of Applied Geophysics, 2018, 159, 586-596.	2.1	11
28	A new approach to evaluate Organic Geochemistry Parameters by geostatistical methods: A case study from western Australia. Journal of Petroleum Science and Engineering, 2018, 169, 813-824.	4.2	11
29	Improved identification of pay zones in complex environments through wavelet analysis on nuclear magnetic resonance log data. Journal of Petroleum Science and Engineering, 2019, 172, 465-476.	4.2	11
30	Integrated Time-Lapse Geoelectricalâ€“Geochemical Investigation at a Reactive Coal Washing Waste Pile in Northeastern Iran. Mine Water and the Environment, 2014, 33, 256-265.	2.0	10
31	ASTER Spectral Analysis for Host Rock Associated with Porphyry Copper-molybdenum Mineralization. Journal of the Geological Society of India, 2018, 91, 627-638.	1.1	10
32	Investigating the source of contaminated plumes downstream of the Alborz Sharghi coal washing plant using EM34 conductivity data, VLF-EM and DC-resistivity geophysical methods. Exploration Geophysics, 2013, 44, 16-24.	1.1	9
33	3D modelling of Trompsburg Complex (in South Africa) using 3D focusing inversion of gravity data. Journal of African Earth Sciences, 2017, 130, 1-7.	2.0	9
34	Seismic Reverse Time Migration Using A New Wave-Field Extrapolator and a New Imaging Condition. Acta Geophysica, 2016, 64, 1673-1690.	2.0	8
35	Full unmixing hydrothermal alteration minerals mapping by integration of pattern recognition network and directed matched filtering algorithm. Earth Science Informatics, 2020, 13, 417-431.	3.2	8
36	Shear Wave Splitting Analysis to Estimate Fracture Orientation and Frequency Dependent Anisotropy. Acta Geophysica, 2016, 64, 76-100.	2.0	7

#	Article	IF	Citations
37	Experimental investigation of changes in petrophysical properties and structural deformation of carbonate reservoirs. Petroleum Exploration and Development, 2019, 46, 565-575.	7.0	7
38	Investigating 2-D MT inversion codes using real field data. Arabian Journal of Geosciences, 2014, 7, 2315-2328.	1.3	5
39	Improved Estimation of Shear-Wave Velocity by Ordered Weighted Averaging of Rock Physics Models in a Carbonate Reservoir. Natural Resources Research, 2020, 29, 2599-2617.	4.7	4
40	Effect of hysteresis on petrophysical properties of limestone hydrocarbon reservoir rock. Journal of Petroleum Science and Engineering, 2019, 177, 745-755.	4.2	3
41	Geostatistical seismic inversion for nonstationary patterns using direct sequential simulation and cosimulation. , 2016, , .		2
42	Determining the gas and oil contact through wavelet analysis on nuclear magnetic resonance log data. Journal of Applied Geophysics, 2019, 168, 79-89.	2.1	2
43	A new approach to determine geomechanical parameters of Vertical Transverse Isotropic media using VSP data. Journal of Applied Geophysics, 2014, 111, 183-202.	2.1	1
44	Investigating the contribution of different sizes of pore spaces to the permeability of heterogeneous carbonate rocks using Markov Chain Monte Carlo and lattice-Boltzmann simulation. Geosystem Engineering, 2020, 23, 183-196.	1.4	1
45	Characterization of source quality based on petrophysical logs and seismic dataâ€"a case study from Western Australia. Arabian Journal of Geosciences, 2021, 14, 1.	1.3	1
46	An effective estimate for selecting the regularization parameter in the 3D inversion of magnetotelluric data. Acta Geophysica, 2022, 70, 609.	2.0	1
47	An assessment of the geoelectric dimensionality of subsurface structures and modelling of the Magnetotelluric data of Northwest Sabalan geothermal area. , 2012, , .		0
48	Optimal selection of regularization parameter in magnetotelluric data inversion. Acta Geodaetica Et Geophysica, 0, , 1.	1.6	0
49	Geoelectrical modeling of travertine rocks beneath a rough topographical relief using structured and unstructured meshes. Acta Geodaetica Et Geophysica, 0, , .	1.6	0