Deqiang Mao

List of Publications by Year
in descending order

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24	870	430874	610901
papers	citations	18	24
		h-index	g-index

24	24	24	581
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Exploration of Ordovician limestone aquifer heterogeneity with tomographic water releasing tests. Journal of Hydrology, 2022, 608, 127655.	5.4	6
2	Infiltration Assessments on Top of Yungang Grottoes by Time-Lapse Electrical Resistivity Tomography. Hydrology, 2022, 9, 77.	3.0	4
3	Detailed LNAPL plume mapping using electrical resistivity tomography inside an industrial building. Acta Geophysica, 2022, 70, 1651-1663.	2.0	9
4	Delineation of LNAPL contaminant plumes at a former perfumery plant using electrical resistivity tomography. Hydrogeology Journal, 2021, 29, 1189-1201.	2.1	16
5	Scanning for water hazard threats with sequential water releasing tests in underground coal mines. Journal of Hydrology, 2020, 590, 125350.	5.4	17
6	A rapid four-dimensional resistivity data inversion method using temporal segmentation. Geophysical Journal International, 2020, 221, 586-602.	2.4	32
7	Dominance of electroactive microbiomes in bioelectrochemical remediation of hydrocarbon-contaminated soils with different textures. Chemosphere, 2019, 235, 776-784.	8.2	42
8	Finding buried metallic pipes using a non-destructive approach based on 3D time-domain induced polarization data. Journal of Applied Geophysics, 2018, 151, 234-245.	2.1	5
9	An application of hydraulic tomography to a deep coal mine: Combining traditional pumping tests with water inrush incidents. Journal of Hydrology, 2018, 567, 1-11.	5.4	43
10	Induced polarization response of porous media with metallic particles â€" Part 8: Influence of temperature and salinity. Geophysics, 2018, 83, E435-E456.	2.6	24
11	Induced polarization response of porous media with metallic particles â€" Part 5: Influence of the background polarization. Geophysics, 2017, 82, E77-E96.	2.6	21
12	Induced polarization response of porous media with metallic particles â€" Part 6: The case of metals and semimetals. Geophysics, 2017, 82, E97-E110.	2.6	21
13	Induced polarization response of porous media with metallic particles â€" Part 4: Detection of metallic and nonmetallic targets in time-domain induced polarization tomography. Geophysics, 2016, 81, D359-D375.	2.6	43
14	Geophysical Monitoring of Hydrocarbon-Contaminated Soils Remediated with a Bioelectrochemical System. Environmental Science & Technology, 2016, 50, 8205-8213.	10.0	46
15	Induced polarization response of porous media with metallic particles â€" Part 3: A new approach to time-domain induced polarization tomography. Geophysics, 2016, 81, D345-D357.	2.6	32
16	An Application of Hydraulic Tomography to a Largeâ€Scale Fractured Granite Site, Mizunami, Japan. Ground Water, 2016, 54, 793-804.	1.3	52
17	Validation of hydraulic tomography in an unconfined aquifer: A controlled sandbox study. Water Resources Research, 2015, 51, 4137-4155.	4.2	32
18	Induced polarization response of porous media with metallic particles â€" Part 1: A theory for disseminated semiconductors. Geophysics, 2015, 80, D525-D538.	2.6	105

#	Article	IF	Citations
19	Induced polarization response of porous media with metallic particles â€" Part 2: Comparison with a broad database of experimental data. Geophysics, 2015, 80, D539-D552.	2.6	79
20	Usefulness of flux measurements during hydraulic tomographic survey for mapping hydraulic conductivity distribution in a fractured medium. Advances in Water Resources, 2014, 71, 162-176.	3.8	45
21	A temporal sampling strategy for hydraulic tomography analysis. Water Resources Research, 2013, 49, 3881-3896.	4.2	78
22	Necessary conditions for inverse modeling of flow through variably saturated porous media. Advances in Water Resources, 2013, 52, 50-61.	3.8	44
23	Joint interpretation of sequential pumping tests in unconfined aquifers. Water Resources Research, 2013, 49, 1782-1796.	4.2	35
24	Crossâ€correlation analysis and information content of observed heads during pumping in unconfined aquifers. Water Resources Research, 2013, 49, 713-731.	4.2	39