

Ahmad Ali Behroozmand

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

685
citations

933410

10
h-index

1058452

14
g-index

16
all docs

16
docs citations

16
times ranked

628
citing authors

#	ARTICLE	IF	CITATIONS
1	An overview of a highly versatile forward and stable inverse algorithm for airborne, ground-based and borehole electromagnetic and electric data. <i>Exploration Geophysics</i> , 2015, 46, 223-235.	1.1	230
2	A Review of the Principles and Applications of the NMR Technique for Near-Surface Characterization. <i>Surveys in Geophysics</i> , 2015, 36, 27-85.	4.6	228
3	Efficient full decay inversion of MRS data with a stretched-exponential approximation of the distribution. <i>Geophysical Journal International</i> , 2012, 190, 900-912.	2.4	45
4	A comprehensive study of parameter determination in a joint MRS and TEM data analysis scheme. <i>Near Surface Geophysics</i> , 2013, 11, 557-567.	1.2	27
5	Joint inversion of aquifer test, MRS, and TEM data. <i>Water Resources Research</i> , 2014, 50, 3956-3975.	4.2	24
6	Increasing the resolution and the signal-to-noise ratio of magnetic resonance sounding data using a central loop configuration. <i>Geophysical Journal International</i> , 2016, 205, 243-256.	2.4	24
7	Processing of surface-nuclear magnetic resonance data from sites with high noise levels. <i>Geophysics</i> , 2016, 81, WB75-WB83.	2.6	24
8	Assessment of Managed Aquifer Recharge Sites Using a New Geophysical Imaging Method. <i>Vadose Zone Journal</i> , 2019, 18, 1-13.	2.2	22
9	Accounting for relaxation during pulse effects for long pulses and fast relaxation times in surface nuclear magnetic resonance. <i>Geophysics</i> , 2017, 82, JM23-JM36.	2.6	20
10	Soil electrical conductivity imaging using a neural network-based forward solver: Applied to large-scale Bayesian electromagnetic inversion. <i>Journal of Applied Geophysics</i> , 2020, 176, 104012.	2.1	16
11	Comparison of stabiliser functions for surface NMR inversions. <i>Near Surface Geophysics</i> , 2017, 15, 533-544.	1.2	10
12	Successful Sampling Strategy Advances Laboratory Studies of NMR Logging in Unconsolidated Aquifers. <i>Geophysical Research Letters</i> , 2017, 44, 11,021.	4.0	7
13	Anthropogenic wetlands due to over-irrigation of desert areas: a challenging hydrogeological investigation with extensive geophysical input from TEM and MRS measurements. <i>Hydrology and Earth System Sciences</i> , 2017, 21, 1527-1545.	4.9	7
14	Sharp SCI: a new practical tool for blocky models reconstruction. <i>ASEG Extended Abstracts</i> , 2015, 2015, 1-4.	0.1	1
15	NMR for Near-surface Investigations (Development and Applications). , 2015, , .		0
16	SENSITIVITY ANALYSIS OF CENTRAL-LOOP SURFACE NMR DATA. , 2015, , .		0