Mi Liu

List of Publications by Year
in descending order

20 papers	261 citations	1040056 9 h-index	940533 16 g-index
20 all docs	20 docs citations	20 times ranked	174 citing authors

#	Article	IF	Citations
1	A new NMR-data-based method for predicting petrophysical properties of tight sandstone reservoirs. Energy Geoscience, 2023, 4, 100083.	2.9	3
2	Two-dimensional NMR inversion based on fast norm smoothing method. Energy Geoscience, 2022, 3, 23-34.	2.9	2
3	A new method for capillary pressure curve prediction based on NMR echo data using integral transform, the quantum genetic algorithm, and the artificial neural network in tight sandstone. Journal of Petroleum Science and Engineering, 2022, 217, 110860.	4.2	1
4	A new method for predicting capillary pressure curves based on NMR echo data: Sandstone as an example. Journal of Petroleum Science and Engineering, 2021, 202, 108581.	4.2	6
5	Two-Step Inversion Method for NMR Relaxometry Data Using Norm Smoothing and Artificial Fish Swarm Algorithm. Applied Magnetic Resonance, 2021, 52, 1615-1634.	1.2	4
6	A hybrid compression method for the NMR data based on window averaging and Discrete Cosine Transform. Computers and Geosciences, 2021, 157, 104914.	4.2	0
7	A new method for permeability estimation using integral transforms based on NMR echo data in tight sandstone. Journal of Petroleum Science and Engineering, 2019, 180, 424-434.	4.2	19
8	Classification of tight sandstone reservoirs based on NMR logging. Applied Geophysics, 2019, 16, 549-558.	0.6	10
9	A Hybrid Method for NMR Data Compression Based on Window Averaging (WA) and Principal Component Analysis (PCA). Applied Magnetic Resonance, 2019, 50, 73-101.	1.2	7
10	An Efficient Method for NMR Data Compression Based on Fast Singular Value Decomposition. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 301-305.	3.1	15
11	Numerical Investigations of NMR T1â€“T2 Map in Two-Phase Fluid-Bearing Tight Sandstone. Applied Magnetic Resonance, 2019, 50, 479-495.	1.2	4
12	Characterization of Pore Structures of Tight Sandstone Reservoirs by Multifractal Analysis of the NMR T₂ Distribution. Energy & Fuels, 2018, 32, 12218-12230.	5.1	56
13	A new method for NMR data inversion based on double-parameter regularization. Geophysics, 2018, 83, JM39-JM49.	2.6	20
14	A New Method for Predicting Capillary Pressure Curves Based on NMR Logging in Tight Sandstone Reservoirs. Applied Magnetic Resonance, 2018, 49, 1043-1058.	1.2	9
15	Numerical simulation and parameter analysis of NMR T2â€“D distributions of tight sandstone saturated with a gasâ€“water two-phase fluid. Journal of Natural Gas Science and Engineering, 2017, 37, 502-511.	4.4	14
16	A New Method for Determining Tight Sandstone Permeability Based on the Characteristic Parameters of the NMR T 2 Distribution. Applied Magnetic Resonance, 2017, 48, 1009-1029.	1.2	14
17	Numerical simulation of multi-dimensional NMR response in tight sandstone. Journal of Geophysics and Engineering, 2016, 13, 285-294.	1.4	19
18	NMR Data Compression Method Based on Principal Component Analysis. Applied Magnetic Resonance, 2016, 47, 297-307.	1.2	6

#	Article	IF	Citations
19	Inversion of nuclear magnetic resonance echo data based on maximum entropy. Geophysics, 2016, 81, D1-D8.	2.6	32
20	A novel method for NMR data compression. Computational Geosciences, 2015, 19, 389-401.	2.4	20