

Mi Liu

List of Publications by Year in descending order

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papers

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docs citations

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174
citing authors

#	ARTICLE	IF	CITATIONS
1	Characterization of Pore Structures of Tight Sandstone Reservoirs by Multifractal Analysis of the NMR T_2 Distribution. Energy & Fuels, 2018, 32, 12218-12230.	5.1	56
2	Inversion of nuclear magnetic resonance echo data based on maximum entropy. Geophysics, 2016, 81, D1-D8.	2.6	32
3	A novel method for NMR data compression. Computational Geosciences, 2015, 19, 389-401.	2.4	20
4	A new method for NMR data inversion based on double-parameter regularization. Geophysics, 2018, 83, JM39-JM49.	2.6	20
5	Numerical simulation of multi-dimensional NMR response in tight sandstone. Journal of Geophysics and Engineering, 2016, 13, 285-294.	1.4	19
6	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
7	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
8	Numerical simulation and parameter analysis of NMR T_2 distributions of tight sandstone saturated with a gas-water two-phase fluid. Journal of Natural Gas Science and Engineering, 2017, 37, 502-511.	4.4	14
9	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
10	Classification of tight sandstone reservoirs based on NMR logging. Applied Geophysics, 2019, 16, 549-558.	0.6	10
11	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
12	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
13	NMR Data Compression Method Based on Principal Component Analysis. Applied Magnetic Resonance, 2016, 47, 297-307.	1.2	6
14	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
15	Numerical Investigations of NMR T_1 - T_2 Map in Two-Phase Fluid-Bearing Tight Sandstone. Applied Magnetic Resonance, 2019, 50, 479-495.	1.2	4
16	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
17	A new NMR-data-based method for predicting petrophysical properties of tight sandstone reservoirs. Energy Geoscience, 2023, 4, 100083.	2.9	3
18	Two-dimensional NMR inversion based on fast norm smoothing method. Energy Geoscience, 2022, 3, 23-34.	2.9	2

#	ARTICLE	IF	CITATIONS
19	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
20	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