## Xinmin Ge

## List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/1434820/publications.pdf

Version: 2024-02-01

30	718	14	27
papers	citations	h-index	g-index
31	31	31	587
all docs	docs citations	times ranked	citing authors

#	Article	IF	CITATIONS
1	Pore structure characterization and classification using multifractal theoryâ€"An application in Santanghu basin of western China. Journal of Petroleum Science and Engineering, 2015, 127, 297-304.	4.2	131
2	Determination of nuclear magnetic resonance T2 cutoff value based on multifractal theory $\hat{a} \in$ An application in sandstone with complex pore structure. Geophysics, 2015, 80, D11-D21.	2.6	107
3	Laboratory Investigation Into the Formation and Dissociation Process of Gas Hydrate by Lowâ€Field NMR Technique. Journal of Geophysical Research: Solid Earth, 2018, 123, 3339-3346.	3.4	83
4	The inversion of 2D NMR relaxometry data using L1 regularization. Journal of Magnetic Resonance, 2017, 275, 46-54.	2.1	38
5	Reservoir Pore Structure Classification Technology of Carbonate Rock Based on NMR T 2 Spectrum Decomposition. Applied Magnetic Resonance, 2014, 45, 155-167.	1.2	32
6	An improvement of the fractal theory and its application in pore structure evaluation and permeability estimation. Journal of Geophysical Research: Solid Earth, 2016, 121, 6333-6345.	3.4	32
7	An improved method for permeability estimation of the bioclastic limestone reservoir based on NMR data. Journal of Magnetic Resonance, 2017, 283, 96-109.	2.1	31
8	Determining the transverse surface relaxivity of reservoir rocks: A critical review and perspective. Marine and Petroleum Geology, 2021, 126, 104934.	3.3	31
9	Noise reduction of nuclear magnetic resonance (NMR) transversal data using improved wavelet transform and exponentially weighted moving average (EWMA). Journal of Magnetic Resonance, 2015, 251, 71-83.	2.1	28
10	A new method for rock brittleness evaluation in tight oil formation from conventional logs and petrophysical data. Journal of Petroleum Science and Engineering, 2017, 151, 169-182.	4.2	28
11	Joint inversion ofT1–T2spectrum combining the iterative truncated singular value decomposition and the parallel particle swarm optimization algorithms. Computer Physics Communications, 2016, 198, 59-70.	7.5	24
12	Convolutional neural network based approach for classification of edible oils using low-field nuclear magnetic resonance. Journal of Food Composition and Analysis, 2020, 92, 103566.	3.9	20
13	Rapid screening for hazelnut oil and highâ€oleic sunflower oil in extra virgin olive oil using lowâ€field nuclear magnetic resonance relaxometry and machine learning. Journal of the Science of Food and Agriculture, 2021, 101, 2389-2397.	3.5	20
14	Probing the influential factors of NMR T 1 $\hat{a} \in$ T 2 spectra in the characterization of the kerogen by numerical simulation. Journal of Magnetic Resonance, 2015, 260, 54-66.	2.1	17
15	Quantitative evaluation of the heterogeneity for tight sand based on the nuclear magnetic resonance imaging. Journal of Natural Gas Science and Engineering, 2017, 38, 74-80.	4.4	13
16	An improved pulse sequence and inversion algorithm of <mml:math altimg="si1.gif" display="inline" id="mml19" overflow="scroll" xmlns:mml="http://www.w3.org/1998/Math/MathML"><mml:msub><mml:mrow><mml:mi>T</mml:mi></mml:mrow><mml:mrow><mml:mn>2<td>mn<sup>7.5</sup>/mm</td><td>l:mrow&gt;</td></mml:mn></mml:mrow></mml:msub></mml:math>	mn <sup>7.5</sup> /mm	l:mrow>
17	Investigating Influential Factors of the Gas Absorption Capacity in Shale Reservoirs Using Integrated Petrophysical, Mineralogical and Geochemical Experiments: A Case Study. Energies, 2018, 11, 3078.	3.1	12
18	Laboratory investigation of the relationship between static rock elastic parameters and low field nuclear magnetic resonance data. International Journal of Rock Mechanics and Minings Sciences, 2020, 127, 104207.	5.8	11

#	Article	IF	CITATIONS
19	Predicting gas content in high-maturity marine shales using artificial intelligence based seismic multiple-attributes analysis: A case study from the lower Silurian Longmaxi Formation, Sichuan Basin, China. Marine and Petroleum Geology, 2019, 101, 180-194.	3.3	8
20	A hybrid method for geological and geophysical data with multi-peak distributions using the PSO–GRG algorithm. Journal of Geophysics and Engineering, 2015, 12, 283-291.	1.4	7
21	Determination of Total Organic Carbon (TOC) in tight reservoir using Empirical Mode Decomposition-Support Vector Regression (EMD-SVR): A case study from XX-1 Basin, Western China. ASEG Extended Abstracts, 2015, 2015, 1-10.	0.1	6
22	A Practical Method to Compensate for the Effect of Echo Spacing on the Shale NMR T 2 Spectrum. Earth and Space Science, 2019, 6, 1489-1497.	2.6	5
23	An unsupervised clustering method for nuclear magnetic resonance transverse relaxation spectrums based on the Gaussian mixture model and its application. Petroleum Exploration and Development, 2022, 49, 339-348.	<b>7.</b> 0	5
24	Numerical investigating the low field NMR response of representative pores at different pulse sequence parameters. Computers and Geosciences, 2021, 151, 104761.	4.2	4
25	Pore size distribution and reservoir characterization: evaluation for the Eocene beach-bar sequence, Dongying Depression, China. Arabian Journal of Geosciences, 2019, 12, 1.	1.3	3
26	Pore Structure Evaluation of Bioclastic Limestone Using NMR and HPMI Measurements. Applied Magnetic Resonance, 2019, 50, 29-45.	1.2	3
27	NMR transverse relaxation of the clay-rich shale in inhomogeneous magnetic field: A numerical study. Computers and Geosciences, 2022, 166, 105174.	4.2	3
28	Multifractal Analysis of Pore Structure of Tight Oil Reservoirs Using Low-Field NMR Measurements., 2019, , 61-82.		2
29	An adaptive method for determining an acquisition parameter t0 in a modified CPMG sequence. Journal of Magnetic Resonance, 2017, 276, 51-59.	2.1	1
30	A new workflow to improve the carbonate reservoir types discrimination combing the empirical model decomposition and energy entropy classification methods. Interpretation, 2018, 6, T555-T567.	1,1	1