

Jihua Cai

List of Publications by Year in descending order

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17
papers

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840776

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238
citing authors

#	ARTICLE	IF	CITATIONS
1	Dissolution behaviour of different rank coals in L-glutamic acid N, N-diacetic acid chelating agent: Implications to enhance coalbed methane recovery by acid stimulation. Canadian Journal of Chemical Engineering, 2022, 100, 1285-1297.	1.7	6
2	Modeling of nanoparticle fluid microscopic plugging effect on horizontal and vertical wellbore of shale gas. Energy, 2022, 239, 122130.	8.8	14
3	Chelating agent-introduced unconventional compound acid for enhancing coal permeability. Journal of Petroleum Science and Engineering, 2021, 199, 108270.	4.2	19
4	A method of determining osmotic pressure for low-clay shale with different salt ions considering effect of dynamic permeability on flow. Engineering Geology, 2021, 295, 106434.	6.3	4
5	Experimental study of the pomelo peel powder as novel shale inhibitor in water-based drilling fluids. Energy Exploration and Exploitation, 2020, 38, 569-588.	2.3	18
6	Experimental study on water-based drilling fluid for horizontal wells. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, , 1-20.	2.3	4
7	Effects of L-glutamic acid, N, N-diacetic acid as chelating agent on acidification of carbonate reservoirs in acidic environments. Journal of Natural Gas Science and Engineering, 2020, 82, 103494.	4.4	34
8	Nanoparticle plugging prediction of shale pores: A numerical and experimental study. Energy, 2020, 208, 118337.	8.8	17
9	Design and Evaluation of a Surfactant-Mixed Metal Hydroxide-Based Drilling Fluid for Maintaining Wellbore Stability in Coal Measure Strata. Energies, 2019, 12, 1862.	3.1	10
10	CFD and DEM modelling of particles plugging in shale pores. Energy, 2019, 174, 1026-1038.	8.8	19
11	Enhancing wellbore stability of coal measure strata by electrical inhibition and wettability control. Journal of Petroleum Science and Engineering, 2019, 174, 544-552.	4.2	11
12	Influence of salt solutions on the permeability, membrane efficiency and wettability of the Lower Silurian Longmaxi shale in Xiushan, Southwest China. Applied Clay Science, 2018, 158, 83-93.	5.2	31
13	Improving wellbore stability of shale by adjusting its wettability. Journal of Petroleum Science and Engineering, 2018, 161, 692-702.	4.2	51
14	Environmental-friendly salt water mud with nano-SiO ₂ in horizontal drilling for shale gas. Journal of Petroleum Science and Engineering, 2017, 156, 408-418.	4.2	48
15	2D Numerical Simulation of Improving Wellbore Stability in Shale Using Nanoparticles Based Drilling Fluid. Energies, 2017, 10, 651.	3.1	13
16	Decreasing Coalbed Methane Formation Damage Using Microfoamed Drilling Fluid Stabilized by Silica Nanoparticles. Journal of Nanomaterials, 2016, 2016, 1-11.	2.7	19
17	Empirical Correlation to Predict Viscosity Breaking Ratio of Guar-Based Biodegradable Drilling Fluid. , 2010, , .		1