

Hui Pu

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

663
citations

516710

16
h-index

642732

23
g-index

30
all docs

30
docs citations

30
times ranked

482
citing authors

#	ARTICLE	IF	CITATIONS
1	Surfactants usage in enhanced oil recovery operations coupling harsh reservoir conditions: an experimental review. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	1.3	0
2	Surfactants employed in conventional and unconventional reservoirs for enhanced oil recovery—A review. <i>Energy Reports</i> , 2022, 8, 2806-2830.	5.1	65
3	Effect of the variations of thermophysical properties of drilling fluids with temperature on wellbore temperature calculation during drilling. <i>Energy</i> , 2021, 214, 119055.	8.8	22
4	A diffuse layer model for hydrocarbon mass transfer between pores and organic matter for supercritical CO ₂ injection and sequestration in shale. <i>Chemical Engineering Journal</i> , 2021, 406, 126746.	12.7	24
5	Molecular simulation study of interfacial tension reduction and oil detachment in nanochannels by Surface-modified silica nanoparticles. <i>Fuel</i> , 2021, 292, 120318.	6.4	32
6	Development of a Cutting Force Model for a Single PDC Cutter Based on the Rock Stress State. <i>Rock Mechanics and Rock Engineering</i> , 2020, 53, 185-200.	5.4	17
7	Diffusivity and hydrophobic hydration of hydrocarbons in supercritical CO ₂ and aqueous brine. <i>RSC Advances</i> , 2020, 10, 37938-37946.	3.6	3
8	Borehole temperature distribution when drilling fluid loss occurs in the two-dimensional area at the bottom-hole during drilling. <i>Journal of Natural Gas Science and Engineering</i> , 2020, 83, 103523.	4.4	12
9	Study of CO ₂ Enhancing Shale Gas Recovery Based on Competitive Adsorption Theory. <i>ACS Omega</i> , 2020, 5, 23429-23436.	3.5	15
10	Interfacial interactions between Bakken crude oil and injected gases at reservoir temperature: A molecular dynamics simulation study. <i>Fuel</i> , 2020, 276, 118058.	6.4	29
11	Development of silicon quantum dots based nano-fluid for enhanced oil recovery in tight Bakken cores. <i>Fuel</i> , 2020, 277, 118203.	6.4	24
12	Numerical analysis of the effect of surface recombination on N-atom in discharge and post-discharge region. <i>Physics of Plasmas</i> , 2020, 27, 063502.	1.9	1
13	Numerical analysis of the influence of nonequilibrium plasma on the nucleation rate of supersaturated steam. <i>AIP Advances</i> , 2020, 10, .	1.3	3
14	Polymer nanoparticles based nano-fluid for enhanced oil recovery at harsh formation conditions. <i>Fuel</i> , 2020, 267, 117251.	6.4	37
15	Numerical simulation of CO ₂ huff-and-puff process in a hydraulically fractured horizontal well in a tight oil reservoir. <i>The Leading Edge</i> , 2020, 39, 16-21.	0.7	3
16	Studies of the storage and transport of water and oil in organic-rich shale using vacuum imbibition method. <i>Fuel</i> , 2020, 266, 117096.	6.4	34
17	Enhanced Oil Recovery in High Salinity and Elevated Temperature Conditions with a Zwitterionic Surfactant and Silica Nanoparticles Acting in Synergy. <i>Energy & Fuels</i> , 2020, 34, 2893-2902.	5.1	31
18	Increased Nonionic Surfactant Efficiency in Oil Recovery by Integrating with Hydrophilic Silica Nanoparticle. <i>Energy & Fuels</i> , 2019, 33, 8522-8529.	5.1	28

#	ARTICLE	IF	CITATIONS
19	Experimental and Numerical Studies of Spontaneous Imbibition with Different Boundary Conditions: Case Studies of Middle Bakken and Berea Cores. Energy & Fuels, 2019, 33, 5135-5146.	5.1	39
20	Experimental Study of Surfactant-Assisted Oil Recovery in the Middle Bakken Cores. , 2019, , .		2
21	Molecular Simulation Study on the Volume Swelling and the Viscosity Reduction of <i>n</i> -Alkane/CO ₂ Systems. Industrial & Engineering Chemistry Research, 2019, 58, 8871-8877.	3.7	26
22	Simulation-based enhanced oil recovery predictions from wettability alteration in the Middle Bakken tight reservoir with hydraulic fractures. Fuel, 2019, 253, 229-237.	6.4	16
23	Study on the mechanisms of refracturing technology featuring temporary plug for fracturing fluid diversion in tight sandstone reservoirs. Energy Science and Engineering, 2019, 7, 88-97.	4.0	24
24	Static Adsorption of Surfactants on Bakken Rock Surfaces in High Temperature, High Salinity Conditions. , 2019, , .		9
25	Surfactant-Augmented Functional Silica Nanoparticle Based Nanofluid for Enhanced Oil Recovery at High Temperature and Salinity. ACS Applied Materials & Interfaces, 2019, 11, 45763-45775.	8.0	71
26	Study on multiple-contact phase behavior in natural gas injection for enhanced oil recovery in Tarim Basin, China. Asia-Pacific Journal of Chemical Engineering, 2019, 14, e2286.	1.5	0
27	Comparative Study on the Static Adsorption Behavior of Zwitterionic Surfactants on Minerals in Middle Bakken Formation. Energy & Fuels, 2019, 33, 1007-1015.	5.1	21
28	Compositional simulation of CO ₂ Huff-n-Puff process in Middle Bakken tight oil reservoirs with hydraulic fractures. Fuel, 2019, 236, 1446-1457.	6.4	67
29	Commercial Implementation of Chemical Flooding in Daqing Oilfield, China, and Its Future. , 2018, , .		4
30	An Update on Full Field Implementation of Chemical Flooding in Daqing Oilfield, China, and Its Future. , 2018, , .		4