

Hui Pu

List of Publications by Year in descending order

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30
papers

663
citations

516710

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642732

23
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30
docs citations

30
times ranked

482
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Surfactants employed in conventional and unconventional reservoirs for enhanced oil recovery—A review. Energy Reports, 2022, 8, 2806-2830.	5.1	65
4	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
5	Polymer nanoparticles based nano-fluid for enhanced oil recovery at harsh formation conditions. Fuel, 2020, 267, 117251.	6.4	37
6	Studies of the storage and transport of water and oil in organic-rich shale using vacuum imbibition method. Fuel, 2020, 266, 117096.	6.4	34
7	Molecular simulation study of interfacial tension reduction and oil detachment in nanochannels by Surface-modified silica nanoparticles. Fuel, 2021, 292, 120318.	6.4	32
8	Enhanced Oil Recovery in High Salinity and Elevated Temperature Conditions with a Zwitterionic Surfactant and Silica Nanoparticles Acting in Synergy. Energy & Fuels, 2020, 34, 2893-2902.	5.1	31
9	Interfacial interactions between Bakken crude oil and injected gases at reservoir temperature: A molecular dynamics simulation study. Fuel, 2020, 276, 118058.	6.4	29
10	Increased Nonionic Surfactant Efficiency in Oil Recovery by Integrating with Hydrophilic Silica Nanoparticle. Energy & Fuels, 2019, 33, 8522-8529.	5.1	28
11	Molecular Simulation Study on the Volume Swelling and the Viscosity Reduction of n-Alkane/CO ₂ Systems. Industrial & Engineering Chemistry Research, 2019, 58, 8871-8877.	3.7	26
12	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
13	Development of silicon quantum dots based nano-fluid for enhanced oil recovery in tight Bakken cores. Fuel, 2020, 277, 118203.	6.4	24
14	A diffuse layer model for hydrocarbon mass transfer between pores and organic matter for supercritical CO ₂ injection and sequestration in shale. Chemical Engineering Journal, 2021, 406, 126746.	12.7	24
15	Effect of the variations of thermophysical properties of drilling fluids with temperature on wellbore temperature calculation during drilling. Energy, 2021, 214, 119055.	8.8	22
16	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
17	Development of a Cutting Force Model for a Single PDC Cutter Based on the Rock Stress State. Rock Mechanics and Rock Engineering, 2020, 53, 185-200.	5.4	17
18	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

#	ARTICLE	IF	CITATIONS
19	Study of CO ₂ Enhancing Shale Gas Recovery Based on Competitive Adsorption Theory. ACS Omega, 2020, 5, 23429-23436.	3.5	15
20	Borehole temperature distribution when drilling fluid loss occurs in the two-dimensional area at the bottom-hole during drilling. Journal of Natural Gas Science and Engineering, 2020, 83, 103523.	4.4	12
21	Static Adsorption of Surfactants on Bakken Rock Surfaces in High Temperature, High Salinity Conditions. , 2019, , .		9
22	Commercial Implementation of Chemical Flooding in Daqing Oilfield, China, and Its Future. , 2018, , .		4
23	An Update on Full Field Implementation of Chemical Flooding in Daqing Oilfield, China, and Its Future. , 2018, , .		4
24	Diffusivity and hydrophobic hydration of hydrocarbons in supercritical CO ₂ and aqueous brine. RSC Advances, 2020, 10, 37938-37946.	3.6	3
25	Numerical analysis of the influence of nonequilibrium plasma on the nucleation rate of supersaturated steam. AIP Advances, 2020, 10, .	1.3	3
26	Numerical simulation of CO ₂ huff-and-puff process in a hydraulically fractured horizontal well in a tight oil reservoir. The Leading Edge, 2020, 39, 16-21.	0.7	3
27	Experimental Study of Surfactant-Assisted Oil Recovery in the Middle Bakken Cores. , 2019, , .		2
28	Numerical analysis of the effect of surface recombination on N-atom in discharge and post-discharge region. Physics of Plasmas, 2020, 27, 063502.	1.9	1
29	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
30	Surfactants usage in enhanced oil recovery operations coupling harsh reservoir conditions: an experimental review. Arabian Journal of Geosciences, 2022, 15, 1.	1.3	0