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List of Publications by Year
in descending order

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Version: 2024-02-01

28 papers	529 citations	759055 12 h-index	752573 20 g-index
28 all docs	28 docs citations	28 times ranked	415 citing authors

#	Article	IF	Citations
1	Review of foam stability in porous media: The effect of coarsening. Journal of Petroleum Science and Engineering, 2022, 208, 109698.	2.1	24
2	Monitoring the Early Stages of Formation of Oilâ€“Water Emulsions Using Flow Cytometry. Langmuir, 2022, 38, 62-71.	1.6	4
3	Microfluidic Investigation of Foam Coarsening Dynamics in Porous Media at High-Pressure and High-Temperature Conditions. Langmuir, 2022, 38, 2895-2905.	1.6	6
4	Evaluation of the Dynamic Interfacial Tension between Viscoelastic Surfactant Solutions and Oil Using Porous Micromodels. Langmuir, 2022, 38, 6387-6394.	1.6	4
5	Encapsulation of an Anionic Surfactant into Hollow Spherical Nanosized Capsules: Size Control, Slow Release, and Potential Use for Enhanced Oil Recovery Applications and Environmental Remediation. ACS Omega, 2021, 6, 5689-5697.	1.6	17
6	Carbon Dots Stabilized Foam for Enhanced Oil Recovery. , 2021, , .		1
7	Stimuli-Responsive, Hydrolyzable Poly(Vinyl Laurate-co-vinyl Acetate) Nanoparticle Platform for In Situ Release of Surfactants. ACS Applied Materials & Interfaces, 2021, 13, 25553-25562.	4.0	6
8	Specificity and Synergy at the Oilâ€“Brine Interface: New Insights from Experiments and Molecular Dynamics Simulations. Energy & Fuels, 2021, 35, 14647-14657.	2.5	15
9	Spontaneous imbibition characteristics of carbon nanofluids in carbonate reservoirs. Energy Reports, 2021, 7, 4235-4248.	2.5	10
10	Carbon nanodots for enhanced oil recovery in carbonate reservoirs. Energy Reports, 2021, 7, 8943-8959.	2.5	14
11	Capturing the Dynamics of Foam Coarsening in a HPHT Microfluidic System. , 2021, , .		0
12	Wettability Alteration in Carbonate Reservoirs by Carbon Nanofluids. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2020, 598, 124819.	2.3	38
13	Diffusiophoresis of charged colloidal particles in the limit of very high salinity. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 18257-18262.	3.3	47
14	Experimental Evaluation of Carbon Dots Stabilized Foam for Enhanced Oil Recovery. Energy & Fuels, 2019, 33, 9629-9643.	2.5	35
15	Colloidal solution of luminescent ZnO quantum dots embedded silica as nano-tracers for remote sensing applications. Journal of Molecular Liquids, 2019, 274, 447-454.	2.3	9
16	Dynamics, Aggregation, and Interfacial Properties of the Partially Hydrolyzed Polyacrylamide Polymer for Enhanced Oil Recovery Applications: Insights from Molecular Dynamics Simulations. Energy & Fuels, 2018, 32, 3335-3343.	2.5	48
17	Exploring a mechanistic approach for characterizing transient and steady state foam flow in porous media. Journal of Natural Gas Science and Engineering, 2018, 60, 214-227.	2.1	11
18	Ultra-sensitive in-situ detection of near-infrared persistent luminescent tracer nanoagents in crude oil-water mixtures. Scientific Reports, 2016, 6, 27993.	1.6	27

#	Article	IF	Citations
19	Oil industry first field trial of inter-well reservoir nanoagent tracers. , 2015, , .		8
20	Adaptive multi-photon imaging of subsurface nanoparticle flow in porous rock. , 2015, , .		0
21	Reservoir Nanoagents for In-Situ Sensing and Intervention. , 2013, , 51-67.		6
22	Industry First Field Trial of Reservoir Nanoagents. , 2011, , .		50
23	Nanofluid Coreflood Experiments in the ARAB-D. , 2009, , .		56
24	Taming Complexities of Coupled Geomechanics in Rock Testing: From Assessing Reservoir Compaction to Analyzing Stability of Expandable Sand Screens and Solid Tubulars. SPE Journal, 2007, 12, 293-304.	1.7	3
25	Porothermoelastic analyses of anisotropic hollow cylinders with applications. International Journal for Numerical and Analytical Methods in Geomechanics, 2005, 29, 103-126.	1.7	44
26	The Generalized LameÂ´ Problemâ€"Part I: Coupled Poromechanical Solutions. Journal of Applied Mechanics, Transactions ASME, 2004, 71, 168-179.	1.1	13
27	The Generalized LameÂ´ Problemâ€"Part II: Applications in Poromechanics. Journal of Applied Mechanics, Transactions ASME, 2004, 71, 180-189.	1.1	10
28	Poromechanics of Anisotropic Hollow Cylinders. Journal of Engineering Mechanics - ASCE, 2003, 129, 1277-1287.	1.6	23