

Saeid Norouzi-Apourvari

List of Publications by Year in descending order

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Version: 2024-02-01

29
papers

425
citations

759233

12
h-index

752698

20
g-index

30
all docs

30
docs citations

30
times ranked

339
citing authors

#	ARTICLE	IF	CITATIONS
1	Image-based relative permeability upscaling from the pore scale. <i>Advances in Water Resources</i> , 2016, 95, 161-175.	3.8	51
2	Insight into particle retention and clogging in porous media; a pore scale study using lattice Boltzmann method. <i>Advances in Water Resources</i> , 2020, 138, 103530.	3.8	32
3	Modeling dew point pressure of gas condensate reservoirs: Comparison of hybrid soft computing approaches, correlations, and thermodynamic models. <i>Journal of Petroleum Science and Engineering</i> , 2020, 184, 106558.	4.2	28
4	Toward mechanistic understanding of wettability alteration in calcite and dolomite rocks: The effects of resin, asphaltene, anionic surfactant, and hydrophilic nano particles. <i>Journal of Molecular Liquids</i> , 2021, 321, 114672.	4.9	27
5	Simulation study of wormhole formation and propagation during matrix acidizing of carbonate reservoirs using a novel in-situ generated hydrochloric acid. <i>Advances in Geo-Energy Research</i> , 2021, 5, 64-74.	6.0	25
6	Experimental study and modeling of final fracture conductivity during acid fracturing. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109192.	4.2	23
7	Evaluation of asphaltene adsorption on minerals of dolomite and sandstone formations in two and three-phase systems. <i>Advances in Geo-Energy Research</i> , 2021, 5, 39-52.	6.0	23
8	Mechanistic study of improvement of wellbore stability in shale formations using a natural inhibitor. <i>Journal of Petroleum Science and Engineering</i> , 2019, 181, 106222.	4.2	22
9	Half a century experience in rate of penetration management: Application of machine learning methods and optimization algorithms - A review. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109575.	4.2	21
10	Static adsorption and interfacial tension of Sodium dodecyl sulfate via magnetic field application. <i>Journal of Petroleum Science and Engineering</i> , 2019, 178, 205-215.	4.2	19
11	Experimental study and modeling of asphaltene deposition on metal surfaces via electrodeposition process: The role of ultrasonic radiation, asphaltene concentration and structure. <i>Journal of Petroleum Science and Engineering</i> , 2020, 195, 107734.	4.2	16
12	Insight into particle detachment in clogging of porous media; a pore scale study using lattice Boltzmann method. <i>Advances in Water Resources</i> , 2021, 151, 103888.	3.8	14
13	Wettability alteration of carbonate rocks via magnetic fields application. <i>Journal of Petroleum Science and Engineering</i> , 2019, 172, 280-287.	4.2	13
14	The effect of magnetic field on stability of conventional and pickering water-in-crude oil emulsions stabilized with fumed silica and iron oxide nanoparticles. <i>Journal of Molecular Liquids</i> , 2020, 314, 113629.	4.9	13
15	The effect of formation thickness on the performance of deterministic and machine learning models for rate of penetration management in inclined and horizontal wells. <i>Journal of Petroleum Science and Engineering</i> , 2020, 191, 107160.	4.2	11
16	Fifty years of experience in rate of penetration management: Managed pressure drilling technology, mechanical specific energy concept, bit management approach and expert systems - A review. <i>Journal of Petroleum Science and Engineering</i> , 2022, 208, 109184.	4.2	11
17	Toward mechanistic understanding of asphaltene adsorption onto quartz surface: The roles of size, concentration, and hydrophobicity of quartz, asphaltene composition, flow condition, and aqueous phase. <i>Journal of Petroleum Science and Engineering</i> , 2021, 205, 108820.	4.2	11
18	A new formulation for lightweight oil well cement slurry using a natural pozzolan. <i>Advances in Geo-Energy Research</i> , 2019, 3, 242-249.	6.0	11

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19	Experimental Measurement and Equilibrium Modeling of Adsorption of Asphaltenes from Various Origins onto the Magnetite Surface under Static and Dynamic Conditions. ACS Omega, 2021, 6, 24256-24268.	3.5	10
20	On the evaluation of asphaltene adsorption onto dolomite surface: The roles of flow condition, composition of asphaltene, and dolomite size. AEJ - Alexandria Engineering Journal, 2022, 61, 9411-9425.	6.4	8
21	Experimental study and modeling permeability damage in porous media due to asphaltene deposition. Journal of Petroleum Science and Engineering, 2020, 193, 107396.	4.2	7
22	A review on half a century of experience in rate of penetration management: Application of analytical, semi-analytical and empirical models. Advances in Geo-Energy Research, 2021, 5, 252-273.	6.0	7
23	Experimental study and modelling of asphaltene deposition on metal surfaces with superhydrophobic and low sliding angle inner coatings. Scientific Reports, 2021, 11, 16812.	3.3	7
24	Image-based simulation of formation damage during suspension injection in homogeneous and heterogeneous porous media: The impact of pore-scale characteristics on macroscopic properties. Journal of Petroleum Science and Engineering, 2020, 186, 106786.	4.2	5
25	Significant effect of compositional grading on SAGD performance in a fractured carbonate heavy oil reservoir. Journal of Petroleum Exploration and Production, 2020, 10, 903-910.	2.4	3
26	Insight into the Synergic Effect of Ultrasonic Waves, SDS Surfactant, and Silica Nanoparticles on Wettability Alteration of Carbonate Rocks. Arabian Journal for Science and Engineering, 2022, 47, 11609-11622.	3.0	3
27	The Effect of Morphological and Topological Characteristics on Effective Diffusivity and Permeability of Dual-Structural-Scale Synthetic Porous Medium. Transport in Porous Media, 2021, 136, 657-676.	2.6	2
28	The effect of subsurface factors on the performance of nanofluid-assisted enhanced oil recovery: Modeling and sensitivity analysis. Journal of Petroleum Science and Engineering, 2021, 202, 108553.	4.2	1
29	Insight into the Synergic Effect of Partially Hydrolyzed Polyacrylamide and Nanosilica on Sodium Silicate Sealant Gel System for Water Shutoff Applications. Arabian Journal for Science and Engineering, 2022, 47, 12129-12139.	3.0	1