

Ali Esfandyari Bayat

List of Publications by Year in descending order

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19
papers

907
citations

686830

13
h-index

887659

17
g-index

19
all docs

19
docs citations

19
times ranked

933
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of rheological and filtration properties of a polymeric water-based drilling mud in presence of nano additives at various temperatures. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2021, 627, 127128.	2.3	13
2	Assessing the effects of different gas types on stability of SiO ₂ nanoparticle foam for enhanced oil recovery purpose. <i>Journal of Molecular Liquids</i> , 2020, 313, 113521.	2.3	27
3	Appraising the impacts of SiO ₂ , ZnO and TiO ₂ nanoparticles on rheological properties and shale inhibition of water-based drilling muds. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 581, 123792.	2.3	46
4	Appraising the impact of metal-oxide nanoparticles on rheological properties of HPAM in different electrolyte solutions for enhanced oil recovery. <i>Journal of Petroleum Science and Engineering</i> , 2019, 172, 1057-1068.	2.1	59
5	Experimental investigation of rheological and filtration properties of water-based drilling fluids in presence of various nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2018, 555, 256-263.	2.3	90
6	Assessing the effects of nanoparticle type and concentration on the stability of CO ₂ foams and the performance in enhanced oil recovery. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2016, 511, 222-231.	2.3	71
7	Effect of emulsified water on the wax appearance temperature of water-in-waxy-crude-oil emulsions. <i>Thermochimica Acta</i> , 2016, 637, 132-142.	1.2	33
8	Malaysia's stand on municipal solid waste conversion to energy: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 58, 1007-1016.	8.2	96
9	Mixture temperature prediction of waxy oil-water two-phase system flowing near wax appearance temperature. <i>Chinese Journal of Chemical Engineering</i> , 2016, 24, 795-802.	1.7	4
10	INTEGRATED DATA ANALYSIS AND MODELING OF A HIGHLY HETEROGENEOUS CARBONATE RESERVOIR. <i>Special Topics and Reviews in Porous Media</i> , 2016, 7, 27-42.	0.6	0
11	Transportation of Metal Oxide Nanoparticles Through Various Porous Media for Enhanced Oil Recovery. , 2015, , .		20
12	Transport and retention of engineered Al ₂ O ₃ , TiO ₂ and SiO ₂ nanoparticles through various sedimentary rocks. <i>Scientific Reports</i> , 2015, 5, 14264.	1.6	52
13	Influence of clay particles on Al ₂ O ₃ and TiO ₂ nanoparticles transport and retention through limestone porous media: measurements and mechanisms. <i>Journal of Nanoparticle Research</i> , 2015, 17, 1.	0.8	32
14	Evaluation of vapour extraction process and its prospect as an enhanced oil recovery method. <i>International Journal of Oil, Gas and Coal Technology</i> , 2015, 9, 394.	0.1	3
15	Optimization of solvent composition and injection rate in vapour extraction process. <i>Journal of Petroleum Science and Engineering</i> , 2015, 128, 33-43.	2.1	5
16	TiO ₂ nanoparticle transport and retention through saturated limestone porous media under various ionic strength conditions. <i>Chemosphere</i> , 2015, 134, 7-15.	4.2	59
17	Application of CO ₂ -based vapor extraction process for high pressure and temperature heavy oil reservoirs. <i>Journal of Petroleum Science and Engineering</i> , 2015, 135, 280-290.	2.1	16
18	Transport and aggregation of Al ₂ O ₃ nanoparticles through saturated limestone under high ionic strength conditions: measurements and mechanisms. <i>Journal of Nanoparticle Research</i> , 2014, 16, 1.	0.8	15

#	ARTICLE	IF	CITATIONS
19	Impact of Metal Oxide Nanoparticles on Enhanced Oil Recovery from Limestone Media at Several Temperatures. Energy & Fuels, 2014, 28, 6255-6266.	2.5	266