

Shahriar Osfour

List of Publications by Year in descending order

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73
papers

963
citations

471061
17
h-index

552369
26
g-index

73
all docs

73
docs citations

73
times ranked

914
citing authors

#	ARTICLE	IF	CITATIONS
1	Analysis of asphaltene nano-aggregates formation using dynamic light scattering: Experimental and kinetic modeling. <i>Journal of Dispersion Science and Technology</i> , 2023, 44, 1147-1158.	1.3	2
2	Computer-Aided Exergy Evaluation of Hydrothermal Liquefaction for Biocrude Production from <i>Nannochloropsis</i> sp.. <i>Bioenergy Research</i> , 2022, 15, 141-153.	2.2	5
3	Capillary Phase Trapping. <i>Petroleum Engineering</i> , 2022, , 415-464.	0.6	0
4	Accurate, cost-effective strategy for lean gas condensate sampling, characterization, and phase equilibria study. <i>Journal of Petroleum Science and Engineering</i> , 2022, 210, 110085.	2.1	1
5	Performance Improvement of the Surfactant Polymer Flooding Using Bio Synthesized Calcium Carbonate Nanoparticles: An Experimental Approach. <i>Arabian Journal for Science and Engineering</i> , 2022, 47, 11775-11792.	1.7	11
6	Modeling of drug release and simultaneous enhancement of tensile strength and antioxidant activity of the electrospun nanofibres using naturally extracted oil from <i>Pistacia atlantica</i> . <i>Polymer Testing</i> , 2022, 107, 107492.	2.3	4
7	Reducing the Environmental Impacts of Desalination Reject Brine Using Modified Solvay Process Based on Calcium Oxide. <i>Sustainability</i> , 2022, 14, 2298.	1.6	4
8	Impacts of paste preparation methods on the porous TiO ₂ nanostructure properties and naturally dye-sensitized solar cells performance. <i>Journal of Materials Research and Technology</i> , 2022, 18, 4816-4833.	2.6	6
9	Efficiency and stability improvement of natural dye-sensitized solar cells using the electrospun composite of TiO ₂ nanofibres doped by the bio-Ca nanoparticles. <i>International Journal of Energy Research</i> , 2022, 46, 15407-15418.	2.2	7
10	Adsorption of natural CaCO ₃ nanoparticles on the reservoir rock surfaces in the enhanced oil recovery process: equilibrium, thermodynamics, and kinetics study. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 1963-1976.	1.3	3
11	Mass transfer during transient condensate vaporization: Experimental and modeling study. <i>Journal of Molecular Liquids</i> , 2021, 325, 114022.	2.3	8
12	Green methane production: Kinetic and mass transfer modeling in a batch process. <i>Biomass and Bioenergy</i> , 2021, 148, 106005.	2.9	1
13	Co-sensitization of natural and low-cost dyes for efficient panchromatic light-harvesting using dye-sensitized solar cells. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2021, 417, 113345.	2.0	24
14	Modeling of well productivity enhancement in a gas-condensate reservoir through wettability alteration: A comparison between smart optimization strategies. <i>Journal of Natural Gas Science and Engineering</i> , 2021, 94, 104059.	2.1	7
15	Synthesis and characterization of hydrophilic gilsonite fine particles for improving water-based drilling mud properties. <i>Journal of Dispersion Science and Technology</i> , 2020, 41, 1633-1642.	1.3	9
16	Fabrication of optimized eco-friendly dye-sensitized solar cells by extracting pigments from low-cost native wild plants. <i>Journal of Photochemistry and Photobiology A: Chemistry</i> , 2020, 388, 112191.	2.0	19
17	Wettability alteration of calcite and dolomite carbonates using silica nanoparticles coated with fluorine groups. <i>Journal of Petroleum Science and Engineering</i> , 2020, 188, 106915.	2.1	17
18	Treatment of DMSO and DMAC wastewaters of various industries by employing Fenton process: Process performance and kinetics study. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 103597.	3.3	26

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19	Experimental and modeling investigation of non-equilibrium condensate vaporization in porous systems: Effective determination of mass transfer coefficient. <i>Fuel</i> , 2020, 262, 116011.	3.4	12
20	Fabrication and characterization of $\text{YCa}_2\text{Cu}_3\text{O}_7$ superconductors using natural CaCO_3 nanoparticles extracted from Sepia pharaonis. <i>Applied Physics A: Materials Science and Processing</i> , 2020, 126, 1.	1.1	2
21	Investigations of antioxidant potential and protective effect of Acanthophora algae on DNA damage: An electrochemical approach. <i>Microchemical Journal</i> , 2020, 159, 105455.	2.3	10
22	Fabrication, characterization and in vivo evaluation of dexpanthenol sustained-release nanofibers for wound healing. <i>Polymer Testing</i> , 2020, 91, 106827.	2.3	8
23	Evaluation of phase trapping models in gas-condensate systems in an unconsolidated sand pack. <i>Journal of Petroleum Science and Engineering</i> , 2020, 195, 107848.	2.1	5
24	Modelling of batch biomethanation process for maximizing income based on values of consumed and produced gases. <i>Korean Journal of Chemical Engineering</i> , 2020, 37, 815-826.	1.2	2
25	Kinetic modeling of asphaltene nano-aggregates formation using dynamic light scattering technique. <i>Journal of Petroleum Science and Engineering</i> , 2020, 192, 107293.	2.1	7
26	Alginate-based electrospun core/shell nanofibers containing dexpanthenol: A good candidate for wound dressing. <i>Journal of Drug Delivery Science and Technology</i> , 2020, 57, 101708.	1.4	38
27	Performance evaluation of natural native dyes as photosensitizer in dye-sensitized solar cells. <i>Optical Materials</i> , 2020, 110, 110441.	1.7	34
28	Study of wax disappearance temperature using multi-solid thermodynamic model. <i>Journal of Petroleum Exploration and Production</i> , 2019, 9, 437-448.	1.2	9
29	Production assessment of low production rate of well in a supergiant gas condensate reservoir: application of an integrated strategy. <i>Journal of Petroleum Exploration and Production</i> , 2019, 9, 543-560.	1.2	13
30	Experimental investigation of wax deposition from waxy oil mixtures. <i>Applied Petrochemical Research</i> , 2019, 9, 77-90.	1.3	15
31	Electrochemical Study of Antioxidant Capacity of Gracilaria Pygmaea Macro-Algae Based on the Green Synthesis of Gold Nanoparticles: Assessment of Its Cytotoxic Effect on Four Cancer Cell Lines. <i>Journal of the Electrochemical Society</i> , 2019, 166, B969-B977.	1.3	13
32	Condensate blockage remediation in a gas reservoir through wettability alteration using natural CaCO_3 nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 579, 123702.	2.3	23
33	Evaluation of mass transfer coefficient for gas condensates in porous systems: Experimental and modeling. <i>Fuel</i> , 2019, 255, 115507.	3.4	14
34	Improving the rheology, lubricity, and differential sticking properties of water-based drilling muds at high temperatures using hydrophilic Gilsonite nanoparticles. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2019, 582, 123930.	2.3	36
35	Experimental investigation and kinetic modeling of nanocrystal growth for scale reduction in mono-ethylene glycol regeneration unit. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	0
36	Experimental measurement and modeling study for estimation of wax disappearance temperature. <i>Journal of Dispersion Science and Technology</i> , 2019, 40, 161-170.	1.3	8

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37	A comprehensive model for the prediction of fluid compositional gradient in two-dimensional porous media. <i>Journal of Petroleum Exploration and Production</i> , 2019, 9, 2221-2234.	1.2	1
38	Experimental Investigation of Rheological Behavior and Wax Deposition of Waxy Oil Disulfide Oil Systems. <i>Natural Resources Research</i> , 2019, 28, 1609-1617.	2.2	5
39	Wettability alteration of carbonate oil reservoir surface using biocompatible nanoparticles. <i>Materials Research Express</i> , 2019, 6, 025033.	0.8	13
40	Particles aggregation and fragmentation A Monte Carlo study. <i>Chemical Physics</i> , 2019, 517, 6-12.	0.9	9
41	Application of fluorinated nanofluid for production enhancement of a carbonate gas-condensate reservoir through wettability alteration. <i>Materials Research Express</i> , 2018, 5, 035008.	0.8	22
42	Experimental investigation of CO ₂ removal from N ₂ by metal oxide nanofluids in a hollow fiber membrane contactor. <i>International Journal of Greenhouse Gas Control</i> , 2018, 69, 60-71.	2.3	36
43	Wettability alteration of carbonate rocks from strongly liquid-wetting to strongly gas-wetting by fluorine-doped silica coated by fluorosilane. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 767-776.	1.3	27
44	Technical and economic evaluation of flare gas recovery in a giant gas refinery. <i>Chemical Engineering Research and Design</i> , 2018, 131, 506-519.	2.7	54
45	Prediction of CO ₂ mass transfer parameters to light oil in presence of surfactants and silica nanoparticles synthesized in cationic reverse micellar system. <i>Korean Journal of Chemical Engineering</i> , 2018, 35, 44-52.	1.2	1
46	Synthesis and evaluation of NiO@MCM-41 core-shell nanocomposite in the CO ₂ reforming of methane. <i>Journal of Porous Materials</i> , 2018, 25, 1135-1145.	1.3	9
47	Effect of DSO, EVA, and SiO ₂ and clay nanohybrids on rheological properties of waxy oil mixtures. <i>Materials Research Express</i> , 2018, 5, 095027.	0.8	11
48	Stability of Alumina Nanofluid in Water/Methanol Base Fluid in the Presence of Different Salts. <i>Journal of Nanofluids</i> , 2018, 7, 235-245.	1.4	11
49	Study of production enhancement through wettability alteration in a super-giant gas-condensate reservoir. <i>Journal of Molecular Liquids</i> , 2017, 233, 64-74.	2.3	21
50	Density, viscosity, surface tension, and excess properties of DSO and gas condensate mixtures. <i>Applied Petrochemical Research</i> , 2017, 7, 119-129.	1.3	8
51	Synthesis of fluorine-doped silica-coating by fluorosilane nanofluid to ultrahydrophobic and ultraoleophobic surface. <i>Materials Research Express</i> , 2017, 4, 105010.	0.8	20
52	Novel method for estimation of gas/oil relative permeabilities. <i>Journal of Molecular Liquids</i> , 2016, 223, 1185-1191.	2.3	10
53	Novel Method for estimation of Gas/Oil relative Permeabilities. <i>Journal of Molecular Liquids</i> , 2016, 224, 1109-1116.	2.3	8
54	Impact of fluid characterization on compositional gradient in a volatile oil reservoir. <i>Journal of Petroleum Exploration and Production</i> , 2016, 6, 835-844.	1.2	7

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55	Presenting decision tree for best mixing rules and Z-factor correlations and introducing novel correlation for binary mixtures. <i>Petroleum</i> , 2016, 2, 289-295.	1.3	9
56	Experimental Study of CO ₂ " Saline Aquifer-Carbonate Rock Interaction during CO ₂ Sequestration. <i>Procedia Earth and Planetary Science</i> , 2015, 15, 413-420.	0.6	9
57	Modeling hydrate formation conditions in the presence of electrolytes and polar inhibitor solutions. <i>Journal of Chemical Thermodynamics</i> , 2015, 89, 251-263.	1.0	15
58	Prediction of gas compressibility factor using intelligent models. <i>Natural Gas Industry B</i> , 2015, 2, 283-294.	1.4	47
59	Measurement of CO ₂ diffusivity in synthetic and saline aquifer solutions at reservoir conditions: the role of ion interactions. <i>Heat and Mass Transfer</i> , 2015, 51, 1587-1595.	1.2	18
60	Suggesting a numerical pressure-decay method for determining CO ₂ diffusion coefficient in water. <i>Journal of Molecular Liquids</i> , 2015, 211, 31-39.	2.3	12
61	Linear perturbation analysis of density change caused by dissolution of carbon dioxide in saline aqueous phase. <i>Journal of Molecular Liquids</i> , 2015, 209, 539-548.	2.3	4
62	Wilson Non-random Factor Reference State Based Model for Prediction of Gas Hydrate Formation Conditions in the Presence of Electrolyte and/or Alcohol in Solution. <i>Journal of Solution Chemistry</i> , 2015, 44, 1382-1406.	0.6	5
63	Prediction of carbon dioxide dissolution in bulk water under isothermal pressure decay at different boundary conditions. <i>Journal of Molecular Liquids</i> , 2015, 202, 23-33.	2.3	21
64	Choke modeling and flow splitting in a gas-condensate offshore platform. <i>Journal of Natural Gas Science and Engineering</i> , 2014, 21, 1163-1170.	2.1	13
65	Dynamics of water state in nanoconfined environment. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2014, 45, 828-832.	2.7	0
66	Measurement and modeling of CO ₂ diffusion coefficient in Saline Aquifer at reservoir conditions. <i>Open Engineering</i> , 2013, 3, .	0.7	18
67	Onset of instability in CO ₂ sequestration into saline aquifer: scaling relationship and the effect of perturbed boundary. <i>Heat and Mass Transfer</i> , 2013, 49, 1603-1612.	1.2	12
68	Modeling liquid-liquid and vapor-liquid equilibria for the hydrocarbon+N-formylmorpholine system using the CPA equation of state. <i>Chemical Engineering Science</i> , 2013, 98, 152-159.	1.9	12
69	Bovine Serum Albumin-Loaded Chitosan Particles: An Evaluation of Effective Parameters on Fabrication, Characteristics, and in Vitro Release in the Presence of Non-Covalent Interactions. <i>International Journal of Polymeric Materials and Polymeric Biomaterials</i> , 2012, 61, 1079-1090.	1.8	10
70	Preparation of alginate and chitosan nanoparticles using a new reverse micellar system. <i>Iranian Polymer Journal (English Edition)</i> , 2012, 21, 99-107.	1.3	54
71	Condensed DNA in Lipid Microcompartments. <i>Journal of Physical Chemistry B</i> , 2005, 109, 19929-19935.	1.2	22
72	Vacancy Solution Theory for Partitioning of Protein in Reverse-Micellar Systems. <i>Separation Science and Technology</i> , 2003, 38, 553-569.	1.3	5

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73	Computational fluid dynamics analysis of CO ₂ absorption intensification in a hollow fiber membrane contactor using SiO ₂ and carbon nanotubes nanofluids. Environmental Progress and Sustainable Energy, 0, , e13777.	1.3	1