

Farshad Farahbod

List of Publications by Year in descending order

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41
papers

537
citations

759055

12
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21
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42
all docs

42
docs citations

42
times ranked

399
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis, characterization and photocatalytic performance of modified ZnO nanoparticles with SnO ₂ nanoparticles. <i>Materials Research Express</i> , 2018, 5, 065908.	0.8	46
2	Experimental study of forced circulation evaporator in zero discharge desalination process. <i>Desalination</i> , 2012, 285, 352-358.	4.0	44
3	Experimental study of a solar desalination pond as second stage in proposed zero discharge desalination process. <i>Solar Energy</i> , 2013, 97, 138-146.	2.9	39
4	Influence of Mineral Powder Content on the Fracture Behaviors and Ductility of Self-Compacting Concrete. <i>Journal of Materials in Civil Engineering</i> , 2016, 28, .	1.3	38
5	Integrated feasibility experimental investigation of hydrodynamic, geometrical and, operational characterization of methanol conversion to formaldehyde. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020, 42, 89-103.	1.2	32
6	Experimental evaluation of solar still efficiencies as a basic step in treatment of wastewater. <i>Heat Transfer - Asian Research</i> , 2020, 49, 236-248.	2.8	21
7	Investigation of Solar Desalination Pond Performance Experimentally and Mathematically. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2012, 134, 041201.	1.4	20
8	Experimental evaluation of collection, thermal, and conductivity efficiency of a solar distiller pond as a free concentration unit in wastewater treatment process. <i>Energy Science and Engineering</i> , 2018, 6, 584-594.	1.9	20
9	Experimental Study of Solar-Powered Desalination Pond as Second Stage in Proposed Zero Discharge Desalination Process. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2014, 136, .	1.4	19
10	Practical investigation of usage of nano bottom in the production of fresh water from brackish wastewater in a closed shallow solar basin. <i>Environmental Progress and Sustainable Energy</i> , 2021, 40, e13496.	1.3	19
11	Experimental investigation of thermo-physical properties of drilling fluid integrated with nanoparticles: Improvement of drilling operation performance. <i>Powder Technology</i> , 2021, 384, 125-131.	2.1	19
12	Experimental Study of Solar Pond Coupled With Forced Circulation Crystallizer as Major Stages of Proposed Zero Discharge Desalination Process. <i>Journal of Thermal Science and Engineering Applications</i> , 2014, 6, .	0.8	15
13	Investigation of gas sweetening by nanofluid in isothermal tower with consideration of thermodynamic equilibrium; experimentally and theoretically. <i>Separation and Purification Technology</i> , 2019, 211, 799-808.	3.9	13
14	Mathematical investigation of diffusion and decomposition of pollutants as a basic issue in water stream pollution. <i>Arabian Journal of Geosciences</i> , 2020, 13, 1.	0.6	11
15	Investigation of heat transfer equations for evaluation of drinkable water production rate as an efficiency of closed solar desalination pond. <i>International Journal of Ambient Energy</i> , 2021, 42, 940-945.	1.4	11
16	Investigation of thermal performance of a new drill equipped with heat pipe and nanofluid. <i>Case Studies in Thermal Engineering</i> , 2021, 27, 101316.	2.8	11
17	Simultaneous Use of Mass Transfer and Thermodynamics Equations to Estimate the Amount of Removed Greenhouse Gas from the Environment by a Stream of Water. <i>Environmental Modeling and Assessment</i> , 2021, 26, 779-785.	1.2	11
18	Experimental and mathematical evaluation of solar powered still equipped by nano plate as the principle stage of zero discharge desalination process. <i>Advances in Energy Research</i> , 2016, 4, 147-161.	0.4	11

#	ARTICLE	IF	CITATIONS
19	Experimental evaluation of forced circulation crystallizer performance in production of sugar crystals. <i>Journal of Food Process Engineering</i> , 2019, 42, e13017.	1.5	10
20	Derivation of heat transfer equations for a closed solar desalination pond to predict the produced mass of potable water. <i>Heat Transfer - Asian Research</i> , 2019, 48, 864-873.	2.8	10
21	PVT-generated Correlations of Heavy Oil Properties. <i>Petroleum Science and Technology</i> , 2014, 32, 703-711.	0.7	9
22	Empirical Investigation of Heating and Kinematic Performance of ZnO Nano Fluid in a Heat Pipe. <i>Journal of Nanofluids</i> , 2017, 6, 128-135.	1.4	9
23	Investigations to find appropriate range of pH and a new replacement for hydrazine to protect corrosion in steam-tanks of petrochemical industries. <i>Engineering Failure Analysis</i> , 2012, 22, 38-49.	1.8	8
24	Experimental and theoretical study of fluidized bed for SO ₂ recovery as sulfur from effluent gases from sulfur production unit. <i>Fuel</i> , 2015, 156, 103-109.	3.4	8
25	Introduction of Novel Process for Sweetening of Sour Crude Oil: Optimization of Process. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2017, 139, .	1.4	7
26	Evaluation of reducing CO ₂ emissions as important greenhouse gas and maximum oil recovery: optimization of two processes. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 1821-1836.	1.8	7
27	Experimental Investigation of Sulphur Removal from LPG: New Aspect. <i>Journal of Environmental Science and Technology</i> , 2015, 9, 164-169.	0.3	7
28	Finding of Optimum Effective Parameters on Sweetening of Methane Gas by Zinc Oxide Nanoparticles. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2013, 4, .	0.8	6
29	Mixing of Crude Oil with Organic ZnO Nano-Particles from Rice Bran to Improve Physical Properties of Crude Oil: A Novel Agent for Enhanced Oil Recovery. <i>Natural Resources Research</i> , 2019, 28, 1183-1196.	2.2	6
30	Empirical evaluation of proposed treatment unit for saline wastewater softening. <i>Journal of Applied Water Engineering and Research</i> , 2021, 9, 89-106.	1.0	6
31	Mathematical modeling and experimental study of sulfur removal process from light and heavy crude oil in a bed occupied by ferric oxide nanocatalysts. <i>Environmental Technology and Innovation</i> , 2021, 23, 101656.	3.0	6
32	Effect of Solution Content ZnO Nanoparticles on Thermal Stability of Polyvinyl Chloride. <i>Journal of Nanotechnology in Engineering and Medicine</i> , 2013, 4, .	0.8	5
33	Investigation of sour gas desulfurization process by nano absorber and under magnetic field in a packed tower; experimentally and theoretically. <i>Journal of Sulfur Chemistry</i> , 2019, 40, 400-415.	1.0	5
34	Experimental and Theoretical Evaluation of Amount of Removed Oily Hydrocarbon, Aromatic and Bioassay of Drilling Fluid by Zinc Oxide Nano Coagulant. <i>Journal of Nanofluids</i> , 2018, 7, 223-234.	1.4	5
35	Experimental evaluation of nano-zinc oxide coating applying on inner surface of a rotary dryer to produce NaCl. <i>International Journal of Environmental Science and Technology</i> , 0, , 1.	1.8	5
36	Investigation of lanthanum and Si/Al ratio effect on the HZSM-5 catalyst efficiency for production of Olefin from Methanol. <i>Petroleum Science and Technology</i> , 2017, 35, 2139-2145.	0.7	4

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37	Presentation of Farahbod-Karazhian equation as an accurate mathematical model based on thermodynamics and fluid flow with the aim of predicting the deposition rate of oil heavy compounds in heat exchangers. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 0, , 1-12.	1.2	4
38	Experimental investigation of the kinetics properties of the nano crude oil in a vertical line. <i>Fluid Mechanics Research International Journal</i> , 2020, 4, 1-5.	0.6	4
39	Novel plan of triethylene glycol regeneration packed tower for energy and cost saving. <i>Canadian Journal of Chemical Engineering</i> , 2011, 89, 520-528.	0.9	3
40	Novel Arrangement of Rough Tubes for Heat Flux Improvement. <i>Defect and Diffusion Forum</i> , 2012, 326-328, 81-86.	0.4	2
41	Experimental and Mathematical Evaluation of Sulfur Removal from Sour Gas in Fluidized Bed Contains Carbon Nano Tube. <i>Journal of Nanofluids</i> , 2017, 6, 403-409.	1.4	1