

Farshad Farahbod

List of Publications by Year in descending order

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papers

537
citations

759055

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all docs

42
docs citations

42
times ranked

399
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	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
5	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
6	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
7	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
8	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
9	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
10	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
11	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
12	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
13	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
14	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
15	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
16	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
17	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
18	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

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19	Synthesis, characterization and photocatalytic performance of modified ZnO nanoparticles with SnO ₂ nanoparticles. Materials Research Express, 2018, 5, 065908.	0.8	46
20	Experimental and Theoretical Evaluation of Amount of Removed Oily Hydrocarbon, Aromatic and Bioassay of Drilling Fluid by Zinc Oxide Nano Coagulant. Journal of Nanofluids, 2018, 7, 223-234.	1.4	5
21	Introduction of Novel Process for Sweetening of Sour Crude Oil: Optimization of Process. Journal of Energy Resources Technology, Transactions of the ASME, 2017, 139, .	1.4	7
22	Investigation of lanthanum and Si/Al ratio effect on the HZSM-5 catalyst efficiency for production of Olefin from Methanol. Petroleum Science and Technology, 2017, 35, 2139-2145.	0.7	4
23	Empirical Investigation of Heating and Kinematic Performance of ZnO Nano Fluid in a Heat Pipe. Journal of Nanofluids, 2017, 6, 128-135.	1.4	9
24	Experimental and Mathematical Evaluation of Sulfur Removal from Sour Gas in Fluidized Bed Contains Carbon Nano Tube. Journal of Nanofluids, 2017, 6, 403-409.	1.4	1
25	Influence of Mineral Powder Content on the Fracture Behaviors and Ductility of Self-Compacting Concrete. Journal of Materials in Civil Engineering, 2016, 28, .	1.3	38
26	Experimental and mathematical evaluation of solar powered still equipped by nano plate as the principle stage of zero discharge desalination process. Advances in Energy Research, 2016, 4, 147-161.	0.4	11
27	Experimental and theoretical study of fluidized bed for SO ₂ recovery as sulfur from effluent gases from sulfur production unit. Fuel, 2015, 156, 103-109.	3.4	8
28	Experimental Investigation of Sulphur Removal from LPG: New Aspect. Journal of Environmental Science and Technology, 2015, 9, 164-169.	0.3	7
29	PVT-generated Correlations of Heavy Oil Properties. Petroleum Science and Technology, 2014, 32, 703-711.	0.7	9
30	Experimental Study of Solar Pond Coupled With Forced Circulation Crystallizer as Major Stages of Proposed Zero Discharge Desalination Process. Journal of Thermal Science and Engineering Applications, 2014, 6, .	0.8	15
31	Experimental Study of Solar-Powered Desalination Pond as Second Stage in Proposed Zero Discharge Desalination Process. Journal of Energy Resources Technology, Transactions of the ASME, 2014, 136, .	1.4	19
32	Effect of Solution Content ZnO Nanoparticles on Thermal Stability of Polyvinyl Chloride. Journal of Nanotechnology in Engineering and Medicine, 2013, 4, .	0.8	5
33	Experimental study of a solar desalination pond as second stage in proposed zero discharge desalination process. Solar Energy, 2013, 97, 138-146.	2.9	39
34	Finding of Optimum Effective Parameters on Sweetening of Methane Gas by Zinc Oxide Nanoparticles. Journal of Nanotechnology in Engineering and Medicine, 2013, 4, .	0.8	6
35	Investigation of Solar Desalination Pond Performance Experimentally and Mathematically. Journal of Energy Resources Technology, Transactions of the ASME, 2012, 134, 041201.	1.4	20
36	Novel Arrangement of Rough Tubes for Heat Flux Improvement. Defect and Diffusion Forum, 2012, 326-328, 81-86.	0.4	2

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37	Experimental study of forced circulation evaporator in zero discharge desalination process. Desalination, 2012, 285, 352-358.	4.0	44
38	Investigations to find appropriate range of pH and a new replacement for hydrazine to protect corrosion in steam-tanks of petrochemical industries. Engineering Failure Analysis, 2012, 22, 38-49.	1.8	8
39	Novel plan of triethylene glycol regeneration packed tower for energy and cost saving. Canadian Journal of Chemical Engineering, 2011, 89, 520-528.	0.9	3
40	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. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-12.	1.2	4
41	Experimental evaluation of nano-zinc oxide coating applying on inner surface of a rotary dryer to produce NaCl. International Journal of Environmental Science and Technology, 0, , 1.	1.8	5