Rahim Shamsoddini

List of Publications by Year
in descending order

23 papers	293 citations	1040056 9 h-index	888059 17 g-index
23 all docs	23 docs citations	23 times ranked	183 citing authors

#	Article	IF	Citations
1	SPH simulation of the penetrating object in the wet soil. Geomechanics and Geoengineering, 2022, 17, 155-165.	1.8	2
2	Concentration Reduction of Gas Flaring Emissions Using Deflector Structures: A Case Study of Yadavaran Oil Field. International Journal of Environmental Research, 2022, 16, 1.	2.3	0
3	Optimum design for the Tesla micromixer. Microfluidics and Nanofluidics, 2022, 26, .	2.2	9
4	Bingham fluid sloshing phenomenon modelling and investigating in a rectangular tank using SPH method. Ships and Offshore Structures, 2021, 16, 557-566.	1.9	7
5	ISPH modeling and investigation of the effect of viscosity variations on the fluids mixing in a micro-channel due to oscillation of a circular cylinder. Journal of the Taiwan Institute of Chemical Engineers, 2021, 118, 78-86.	5.3	7
6	Multi-objective optimum design for double baffle heat exchangers. Thermal Science and Engineering Progress, 2021, 26, 101132.	2.7	7
7	Mechanism of reaction of silica and carbon for producing silicon carbide. Progress in Reaction Kinetics and Mechanism, 2020, 45, 146867831989141.	2.1	12
8	Performances of Different Turbulence Models for Simulating Shallow Water Sloshing in Rectangular Tank. Journal of Marine Science and Application, 2020, 19, 381-387.	1.7	17
9	Investigation of the Effects of Baffles on the Shallow Water Sloshing in A Rectangular Tank Using A 2D Turbulent ISPH Method. China Ocean Engineering, 2019, 33, 94-102.	1.6	13
10	A predictive formula for the Nusselt number of compressible laminar fluid flow passing the thermal developing zone of a hot tube. Heat Transfer - Asian Research, 2019, 48, 1529-1543.	2.8	1
11	SPH investigation of the thermal effects on the fluid mixing in a microchannel with rotating stirrers. Fluid Dynamics Research, 2018, 50, 025509.	1.3	5
12	Incompressible SPH Modeling of Rotary Micropump Mixers. International Journal of Computational Methods, 2018, 15, 1850019.	1.3	1
13	A geometric model for a vortex tube based on numerical analysis to reduce the effect of nozzle number. International Journal of Refrigeration, 2018, 94, 49-58.	3.4	26
14	Incompressible Smoothed Particle Hydrodynamics Modeling and Investigation of Fluid Mixing in a Rectangular Stirred Tank with Free Surface. Chemical Engineering Communications, 2017, 204, 563-572.	2.6	9
15	Incompressible SPH modeling and analysis of non-Newtonian power-law fluids, mixing in a microchannel with an oscillating stirrer. Journal of Mechanical Science and Technology, 2016, 30, 307-316.	1.5	21
16	Lagrangian simulation and analysis of the power-law fluid mixing in the two-blade circular mixers using a modified WCSPH method. Polish Journal of Chemical Technology, 2015, 17, 1-10.	0.5	5
17	A Modified Smoothed Particle Hydrodynamics Scheme to Model the Stationary and Moving Boundary Problems for Newtonian Fluid Flows. Journal of Fluids Engineering, Transactions of the ASME, 2015, 137, .	1.5	19
18	Lagrangian simulation and analysis of the micromixing phenomena in a cylindrical paddle mixer using a modified weakly compressible smoothed particle hydrodynamics method. Asia-Pacific Journal of Chemical Engineering, 2015, 10, 112-124.	1.5	9

#	Article	IF	Citations
19	ISPH Modelling and Analysis of Fluid Mixing in a Microchannel with an Oscillating or a Rotating Stirrer. Engineering Applications of Computational Fluid Mechanics, 2014, 8, 289-298.	3.1	13
20	A new approach to study and optimize cooling performance of a Ranqueâ€“Hilsch vortex tube. International Journal of Refrigeration, 2012, 35, 2339-2348.	3.4	17
21	Numerical analysis of the effects of nozzles number on the flow and power of cooling of a vortex tube. International Journal of Refrigeration, 2010, 33, 774-782.	3.4	73
22	Numerical three-dimensional analysis of the mechanism of flow and heat transfer in a vortex tube. Thermal Science, 2009, 13, 183-196.	1.1	20
23	CFD investigation of the effect of solid particles on the power consumption of a 20-inch centrifugal pump for the transportation of petroleum products. Particulate Science and Technology, 0, , 1-7.	2.1	0