

Mohammad Bagher Rahnama

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

385
citations

758635

12
h-index

752256

20
g-index

25
all docs

25
docs citations

25
times ranked

419
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation of particle dispersion and deposition in a channel with a square cylinder obstruction using the lattice Boltzmann method. <i>Journal of Aerosol Science</i> , 2010, 41, 198-206.	1.8	57
2	Performance optimization of a multi stage flash desalination unit with thermal vapor compression using genetic algorithm. <i>Applied Thermal Engineering</i> , 2017, 123, 1106-1119.	3.0	56
3	Numerical Investigation of Convective Heat Transfer in Unsteady Laminar Flow Over a Square Cylinder in a Channel. <i>Heat Transfer Engineering</i> , 2005, 26, 21-29.	1.2	44
4	Quantitative and qualitative simulation of groundwater by mathematical models in Rafsanjan aquifer using MODFLOW and MT3DMS. <i>Arabian Journal of Geosciences</i> , 2013, 6, 901-912.	0.6	30
5	Techno-economic evaluation of a multi effect distillation system driven by low-temperature waste heat from exhaust flue gases. <i>Desalination</i> , 2019, 460, 64-80.	4.0	26
6	Effect of Sub-Grid Scales on Large Eddy Simulation of Particle Deposition in a Turbulent Channel Flow. <i>Aerosol Science and Technology</i> , 2010, 44, 796-806.	1.5	24
7	Shear-improved Smagorinsky modeling of turbulent channel flow using generalized Lattice Boltzmann equation. <i>International Journal for Numerical Methods in Fluids</i> , 2011, 67, 700-712.	0.9	22
8	Particle Transport and Deposition in a Duct Flow with a Rectangular Obstruction. <i>Particulate Science and Technology</i> , 2007, 25, 401-412.	1.1	17
9	Analysis of the thermal efficiency of a compound parabolic Integrated Collector Storage solar water heater in Kerman, Iran. <i>Sustainable Energy Technologies and Assessments</i> , 2019, 36, 100564.	1.7	16
10	Developing restoration strategies in Jazmurian wetland by remote sensing. <i>International Journal of Environmental Science and Technology</i> , 2020, 17, 2767-2782.	1.8	16
11	Investigation of land subsidence due to groundwater withdraw in Rafsanjan plain using GIS software. <i>Arabian Journal of Geosciences</i> , 2009, 2, 241-246.	0.6	15
12	Combining Lees' Edwards boundary conditions with smoothed profile-lattice Boltzmann methods to introduce shear into particle suspensions. <i>Advanced Powder Technology</i> , 2013, 24, 1109-1118.	2.0	13
13	Simulation of flow in granular porous media using combined Lattice Boltzmann Method and Smoothed Profile Method. <i>Computers and Fluids</i> , 2018, 177, 1-11.	1.3	9
14	Transport and Deposition of Evaporating Droplets in a Ventilated Environment. <i>Particulate Science and Technology</i> , 2012, 30, 17-31.	1.1	8
15	Comparative study of momentum-exchange and smoothed profile methods in Lattice Boltzmann method. <i>Computers and Fluids</i> , 2014, 100, 65-71.	1.3	7
16	Investigating the Applicability of Combined Lattice Boltzmann-Smoothed Profile Methods in Particulate Systems. <i>Particulate Science and Technology</i> , 2013, 31, 643-652.	1.1	6
17	Halil-River Basin Regional Flood Frequency Analysis Based on L-moment Approach. <i>International Journal of Agricultural Research</i> , 2007, 2, 261-267.	0.0	5
18	Large Eddy Simulation of Turbulent Heat Transfer in a Channel With a Square Cylinder. <i>Heat Transfer Engineering</i> , 2012, 33, 1052-1062.	1.2	4

#	ARTICLE	IF	CITATIONS
19	Particulate flow simulation using Lattice Boltzmann Method: A rheological study. <i>Advanced Powder Technology</i> , 2014, 25, 1325-1333.	2.0	4
20	Lattice Boltzmann simulation of particles agglomeration and rheology in a particulate flow. <i>Journal of Dispersion Science and Technology</i> , 2018, 39, 777-791.	1.3	2
21	Turbulent heat transfer around a finite thick plate with incident angle. <i>International Communications in Heat and Mass Transfer</i> , 2001, 28, 267-276.	2.9	1
22	Particle Tracking in Large Eddy Simulated Turbulent Channel Flow Using Generalized Lattice Boltzmann Method. <i>Particulate Science and Technology</i> , 2014, 32, 404-411.	1.1	1
23	Evaluation of force term in lattice Boltzmann method with discrete external boundary force for flow over an immersed body. <i>Particulate Science and Technology</i> , 2020, 38, 535-548.	1.1	1
24	Lattice Boltzmann Simulation of Solid Particles Motion in a Three Dimensional Flow using Smoothed Profile Method. <i>Journal of Applied Fluid Mechanics</i> , 2017, 10, 1091-1103.	0.4	1
25	Investigation of Particles Statistics in large Eddy Simulated Turbulent Channel Flow using Generalized lattice Boltzmann Method. <i>Journal of Applied Fluid Mechanics</i> , 2016, 9, 1349-1357.	0.4	0