Abbas Kasaeipoor

List of Publications by Year
in descending order

26 papers	855 citations	430874 18 h-index	552781 26 g-index
26 all docs	26 docs citations	26 times ranked	463 citing authors

#	Article	IF	Citations
1	Analysis of natural convection in nanofluid-filled H-shaped cavity by entropy generation and heatline visualization using lattice Boltzmann method. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 97, 347-362.	2.7	85
2	Natural convection analysis employing entropy generation and heatline visualization in a hollow L-shaped cavity filled with nanofluid using lattice Boltzmann method- experimental thermo-physical properties. Physica E: Low-Dimensional Systems and Nanostructures, 2018, 97, 82-97.	2.7	72
3	A comprehensive review on natural convection flow and heat transfer. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 834-877.	2.8	67
4	Free convection heat transfer and entropy generation analysis of MWCNT-MgO (15% â�‾ 85%)/Water nanofluid using Lattice Boltzmann method in cavity with refrigerant solid body-Experimental thermo-physical properties. Powder Technology, 2017, 322, 9-23.	4.2	63
5	Experimental and numerical study on heat transfer performance of three-dimensional natural convection in an enclosure filled with DWCNTs-water nanofluid. Powder Technology, 2017, 322, 340-352.	4.2	59
6	Lattice Boltzmann method based on Dual-MRT model for three-dimensional natural convection and entropy generation in CuOâ€"water nanofluid filled cuboid enclosure included with discrete active walls. Computers and Mathematics With Applications, 2018, 75, 1795-1813.	2.7	50
7	Lattice Boltzmann numerical method for natural convection and entropy generation in cavity with refrigerant rigid body filled with DWCNTs-water nanofluid-experimental thermo-physical properties. Thermal Science and Engineering Progress, 2018, 5, 372-387.	2.7	47
8	Natural convection analysis by entropy generation and heatline visualization using lattice Boltzmann method in nanofluid filled cavity included with internal heaters- Empirical thermo-physical properties. International Journal of Mechanical Sciences, 2017, 133, 199-216.	6.7	45
9	Entropy generation analysis and heatline visualization of free convection in nanofluid (KKL) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf and Mathematics With Applications, 2018, 75, 1814-1830.	2.7	42
10	Lattice Boltzmann simulation of nanofluid flow and heat transfer in a hollow multi-pipe heat exchanger considering nanoparticles' shapes. Powder Technology, 2018, 339, 974-984.	4.2	33
11	Double-MRT lattice Boltzmann simulation of natural convection in a C-shaped heat exchanger. Powder Technology, 2018, 336, 465-480.	4.2	32
12	Lattice Boltzmann simulation of natural convection and entropy generation in cavities filled with nanofluid in existence of internal rigid bodies-Experimental thermo-physical properties. Journal of Molecular Liquids, 2017, 242, 580-593.	4.9	31
13	Influence of static bubbles at the surface of electrodes on the natural convection flow for application in high performance lead-acid battery. Thermal Science and Engineering Progress, 2018, 5, 204-212.	2.7	30
14	Heat transfer enhancement using Al_2O_3-EG/W(60/40 vol%) in multiple-pipe heat exchanger. Journal of Molecular Liquids, 2018, 261, 319-336.	4.9	28
15	Thermal analysis of a cell of lead-acid battery subjected by non-uniform heat flux during natural convection. Thermal Science and Engineering Progress, 2018, 5, 317-326.	2.7	27
16	Heat transfer intensification using CuO-water nanofluid in a finned capsule-shaped heat exchanger using lattice Boltzmann method. Chemical Engineering and Processing: Process Intensification, 2018, 127, 17-27.	3.6	25
17	Lattice Boltzmann simulation of free convection in nanofluid filled cavity with partially active walls â€" entropy generation and heatline visualization. International Journal of Numerical Methods for Heat and Fluid Flow, 2018, 28, 2254-2283.	2.8	23
18	Lattice Boltzmann simulation of 3D natural convection in a cuboid filled with KKL-model predicted nanofluid using Dual-MRT model. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 365-387.	2.8	19

#	Article	IF	Citations
19	THREE-DIMENSIONAL NATURAL CONVECTION AND ENTROPY GENERATION IN TALL RECTANGULAR ENCLOSURES FILLED WITH STRATIFIED NANOFLUID/AIR FLUIDS. Heat Transfer Research, 2018, 49, 685-702.	1.6	15
20	Lattice Boltzmann simulation of free convection's hydrothermal aspects in a finned/multi-pipe cavity filled with CuO-water nanofluid. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 1058-1078.	2.8	13
21	Lattice Boltzmann method for nanofluid flow and heat transfer in a curve-ended T-shaped heat exchanger. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 21-42.	2.8	13
22	Lattice Boltzmann simulation for hydrothermal analysis of free convection within dumbbell-shaped heat exchanger. Chinese Journal of Physics, 2018, 56, 2865-2878.	3.9	11
23	Study on fluid flow and heat transfer in fluid channel filled with KKL model-based nanofluid during natural convection using FVM. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 2622-2641.	2.8	10
24	Fluid flow and heat transfer of a stratified system during natural convection – influence of chamfered corners. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 470-486.	2.8	9
25	Lattice Boltzmann simulation of convective flow and heat transfer in a nanofluid-filled hollow cavity. International Journal of Numerical Methods for Heat and Fluid Flow, 2019, 29, 3075-3094.	2.8	3
26	Natural convection and entropy generation analysis for 3D inclined enclosure filled with stratified fluids of Ag-MgO/Water hybrid Nanofluid and air. Heat Transfer Research, 2018, , .	1.6	3