

Amir Housahng Mahmoudi

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

30
papers

1,189
citations

19
h-index

31
g-index

31
ext. papers

1,340
ext. citations

4.9
avg, IF

4.92
L-index

#	Paper	IF	Citations
30	Progress of experimental studies on compact integrated solar collector-storage retrofits adopting phase change materials. <i>Solar Energy</i> , 2022 , 237, 62-95	6.8	1
29	Fractal dependence of the packed bed porosity on the particles size distribution. <i>Chaos, Solitons and Fractals</i> , 2022 , 159, 112144	9.3	0
28	Simultaneous solar-thermal energy harvesting and storage via shape stabilized salt hydrate phase change material. <i>Chemical Engineering Journal</i> , 2021 , 405, 126624	14.7	48
27	A thorough investigation of thermochemical heat storage system from particle to bed scale. <i>Chemical Engineering Science</i> , 2021 , 246, 116877	4.4	5
26	How a conductive baffle improves melting characteristic and heat transfer in a rectangular cavity filled with gallium. <i>Thermal Science and Engineering Progress</i> , 2020 , 16, 100453	3.6	7
25	Numerical Modeling of Thermal Storage Performance of Encapsulated PCM Particles in an Unstructured Packed Bed. <i>Energies</i> , 2020 , 13, 6413	3.1	9
24	Successive melting and solidification of paraffin/alumina nanomaterial in a cavity as a latent heat thermal energy storage. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2019 , 41, 1	2	3
23	Effect of char on the combustion process of multicomponent bio-fuel. <i>Chemical Engineering Science</i> , 2018 , 175, 286-295	4.4	5
22	Semi-resolved modeling of heat-up, drying and pyrolysis of biomass solid particles as a new feature in XDEM. <i>Applied Thermal Engineering</i> , 2016 , 93, 1091-1104	5.8	19
21	Modeling of the biomass combustion on a forward acting grate using XDEM. <i>Chemical Engineering Science</i> , 2016 , 142, 32-41	4.4	24
20	Numerical modeling of self-heating and self-ignition in a packed-bed of biomass using XDEM. <i>Combustion and Flame</i> , 2016 , 163, 358-369	5.3	25
19	Numerical study of the influence of particle size and packing on pyrolysis products using XDEM. <i>International Communications in Heat and Mass Transfer</i> , 2016 , 71, 20-34	5.8	5
18	An experimental and numerical study of wood combustion in a fixed bed using Euler-Lagrange approach (XDEM). <i>Fuel</i> , 2015 , 150, 573-582	7.1	27
17	Detailed numerical modeling of pyrolysis in a heterogeneous packed bed using XDEM. <i>Journal of Analytical and Applied Pyrolysis</i> , 2014 , 106, 9-20	6	37
16	Application of XDEM as a novel approach to predict drying of a packed bed. <i>International Journal of Thermal Sciences</i> , 2014 , 75, 65-75	4.1	46
15	MHD natural convection and entropy generation in a trapezoidal enclosure using Cu-water nanofluid. <i>Computers and Fluids</i> , 2013 , 72, 46-62	2.8	107
14	Combined Effect of Magnetic Field and Nanofluid Variable Properties on Heat Transfer Enhancement in Natural Convection. <i>Numerical Heat Transfer; Part A: Applications</i> , 2013 , 63, 452-472	2.3	32

13	Effect of a discrete heat source location on entropy generation in mixed convective cooling of a nanofluid inside the ventilated cavity. <i>International Journal of Exergy</i> , 2013 , 13, 299	1.2	14
12	Entropy Generation Due to Natural Convection in a Partially Open Cavity with a Thin Heat Source Subjected to a Nanofluid. <i>Numerical Heat Transfer; Part A: Applications</i> , 2012 , 61, 283-305	2.3	41
11	Effect of magnetic field on natural convection in a triangular enclosure filled with nanofluid. <i>International Journal of Thermal Sciences</i> , 2012 , 59, 126-140	4.1	129
10	ENTROPY GENERATION DUE TO NATURAL CONVECTION COOLING OF A HORIZONTAL HEAT SOURCE MOUNTED INSIDE A SQUARE CAVITY FILLED WITH NANOFLUID. <i>Heat Transfer Research</i> , 2012 , 43, 19-46	3.9	11
9	Modeling of conjugated heat transfer in a thick walled enclosure filled with nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2011 , 38, 119-127	5.8	19
8	Numerical modeling of natural convection in an open cavity with two vertical thin heat sources subjected to a nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2011 , 38, 110-118	5.8	36
7	A numerical investigation of conjugated-natural convection heat transfer enhancement of a nanofluid in an annular tube driven by inner heat generating solid cylinder. <i>International Communications in Heat and Mass Transfer</i> , 2011 , 38, 533-542	5.8	26
6	Entropy generation due to natural convection cooling of a nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2011 , 38, 972-983	5.8	80
5	Numerical study of mixed convection flows in a square lid-driven cavity utilizing nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2010 , 37, 79-90	5.8	197
4	Numerical study of mixed convective cooling in a square cavity ventilated and partially heated from the below utilizing nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2010 , 37, 201-213	5.8	85
3	Effect of inlet and outlet location on the mixed convective cooling inside the ventilated cavity subjected to an external nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2010 , 37, 1158-1173	5.8	54
2	Numerical study of natural convection cooling of horizontal heat source mounted in a square cavity filled with nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2010 , 37, 1135-1141	5.8	70
1	Numerical simulation of steady natural convection heat transfer in a 3-dimensional single-ended tube subjected to a nanofluid. <i>International Communications in Heat and Mass Transfer</i> , 2010 , 37, 1535-1545	5.8	27