

Mahyar Silakhori

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

1,359
citations

430442

18
h-index

525886

27
g-index

27
all docs

27
docs citations

27
times ranked

1661
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of steam on the kinetics of calcium carbonate calcination. <i>Chemical Engineering Science</i> , 2021, 246, 116987.	1.9	25
2	Using Graphene Nanoplatelets Nanofluid in a Closed-Loop Evacuated Tube Solar Collectorâ€™Energy and Exergy Analysis. <i>Journal of Composites Science</i> , 2021, 5, 277.	1.4	6
3	Thermal Performance and Numerical Simulation of the 1-Pyrene Carboxylic-Acid Functionalized Graphene Nanofluids in a Sintered Wick Heat Pipe. <i>Energies</i> , 2020, 13, 6542.	1.6	19
4	Phase Change Materials (PCM) for Solar Energy Usages and Storage: An Overview. <i>Energies</i> , 2019, 12, 3167.	1.6	197
5	Thermal and hydraulic performance of a heat exchanger working with carbon-water nanofluid. <i>Heat and Mass Transfer</i> , 2019, 55, 3443-3453.	1.2	8
6	Thermogravimetric analysis of Cu, Mn, Co, and Pb oxides for thermochemical energy storage. <i>Journal of Energy Storage</i> , 2019, 23, 138-147.	3.9	17
7	The energetic performance of a liquid chemical looping cycle with solar thermal energy storage. <i>Energy</i> , 2019, 170, 93-101.	4.5	12
8	Experimental assessment of copper oxide for liquid chemical looping for thermal energy storage. <i>Journal of Energy Storage</i> , 2019, 21, 216-221.	3.9	12
9	Investigation of Thermal Characteristic of Eutectic Fatty Acid/Damar Gum as a Composite Phase Change Material (CPCM). <i>Green Energy and Technology</i> , 2018, , 607-616.	0.4	1
10	Development of Pb-Free Nanocomposite Solder Alloys. <i>Journal of Composites Science</i> , 2018, 2, 28.	1.4	5
11	Comparing the thermodynamic potential of alternative liquid metal oxides for the storage of solar thermal energy. <i>Solar Energy</i> , 2017, 157, 251-258.	2.9	25
12	On the fouling formation of functionalized and non-functionalized carbon nanotube nano-fluids under pool boiling condition. <i>Applied Thermal Engineering</i> , 2016, 95, 433-444.	3.0	80
13	A sensitive electrochemical nitrate sensor based on polypyrrole coated palladium nanoclusters. <i>Journal of Electroanalytical Chemistry</i> , 2015, 751, 30-36.	1.9	44
14	Multi-response analysis in the processing of poly (methyl methacrylate) nano-fibres membrane by electrospinning based on response surface methodology: Fibre diameter and bead formation. Measurement: <i>Journal of the International Measurement Confederation</i> , 2015, 65, 193-206.	2.5	39
15	Thermal characteristic reliability of fatty acid binary mixtures as phase change materials (PCMs) for thermal energy storage applications. <i>Applied Thermal Engineering</i> , 2015, 80, 127-131.	3.0	57
16	Prediction and characterization of surface roughness using sandblasting and acid etching process on new non-toxic titanium biomaterial: adaptive-network-based fuzzy inference System. <i>Neural Computing and Applications</i> , 2015, 26, 1751-1761.	3.2	21
17	Preparation and thermal properties of form-stable phase change materials composed of palmitic acid/polypyrrole/graphene nanoplatelets. <i>Energy and Buildings</i> , 2015, 99, 189-195.	3.1	73
18	A systematic study of maghemite/PMMA nano-fibrous composite via an electrospinning process: Synthesis and characterization. Measurement: <i>Journal of the International Measurement Confederation</i> , 2015, 70, 179-187.	2.5	15

#	ARTICLE	IF	CITATIONS
19	Theoretical model of an evacuated tube heat pipe solar collector integrated with phase change material. <i>Energy</i> , 2015, 91, 911-924.	4.5	78
20	Thermal Reliability of Myristic Acid/Palmitic Acid/Sodium Laurate Eutectic Mixture: A Feasibility Study of Accelerated Aging for Thermal Energy Storage Application. <i>Energy Procedia</i> , 2014, 61, 49-54.	1.8	8
21	Preparation and characterisation of microencapsulated paraffin wax with polyaniline-based polymer shells for thermal energy storage. <i>Materials Research Innovations</i> , 2014, 18, S6-480-S6-484.	1.0	28
22	Thermo-physical stability of fatty acid eutectic mixtures subjected to accelerated aging for thermal energy storage (TES) application. <i>Applied Thermal Engineering</i> , 2014, 66, 328-334.	3.0	26
23	Palmitic acid/polypyrrole composites as form-stable phase change materials for thermal energy storage. <i>Energy Conversion and Management</i> , 2014, 80, 491-497.	4.4	83
24	Sodium laurate enhancements the thermal properties and thermal conductivity of eutectic fatty acid as phase change material (PCM). <i>Solar Energy</i> , 2014, 102, 333-337.	2.9	43
25	Phase change material: Optimizing the thermal properties and thermal conductivity of myristic acid/palmitic acid eutectic mixture with acid-based surfactants. <i>Applied Thermal Engineering</i> , 2013, 60, 261-265.	3.0	48
26	Shape-stabilized phase change materials with high thermal conductivity based on paraffin/graphene oxide composite. <i>Energy Conversion and Management</i> , 2013, 67, 275-282.	4.4	306
27	Accelerated Thermal Cycling Test of Microencapsulated Paraffin Wax/Polyaniline Made by Simple Preparation Method for Solar Thermal Energy Storage. <i>Materials</i> , 2013, 6, 1608-1620.	1.3	83