

Amritanshu Shukla

List of Publications by Year in descending order

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36
papers

1,477
citations

448610

19
h-index

406436

35
g-index

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all docs

36
docs citations

36
times ranked

1326
citing authors

#	ARTICLE	IF	CITATIONS
1	Cluster decay half-lives in trans-tin and transition metal region using RMF theory. Journal of Physics G: Nuclear and Particle Physics, 2022, 49, 025101.	1.4	6
2	Structure and decay modes study of Th, U, and Pu isotopes using relativistic mean field model. Nuclear Physics A, 2022, , 122439.	0.6	1
3	Environmental, technical and financial feasibility study of domestic solar water heating system in India. Sustainable Energy Technologies and Assessments, 2021, 43, 100965.	1.7	11
4	Thermal regulation of photovoltaic system for enhanced power production: A review. Journal of Energy Storage, 2021, 35, 102236.	3.9	31
5	Performance analysis of a K ₂ CO ₃ -based thermochemical energy storage system using a honeycomb structured heat exchanger. Journal of Energy Storage, 2021, 38, 102563.	3.9	29
6	Heat transfer and energy storage performances of phase change materials encapsulated in honeycomb cells. Journal of Energy Storage, 2021, 38, 102507.	3.9	19
7	Thermal Stability and Reliability Test of Some Saturated Fatty Acids for Low and Medium Temperature Thermal Energy Storage. Energies, 2021, 14, 4509.	1.6	5
8	Cycle test stability and corrosion evaluation of phase change materials used in thermal energy storage systems. Journal of Energy Storage, 2021, 39, 102664.	3.9	30
9	A comprehensive overview on solar grapes drying: Modeling, energy, environmental and economic analysis. Sustainable Energy Technologies and Assessments, 2021, 47, 101513.	1.7	15
10	Alpha decay and structural properties of even-even superheavy nuclei. Nuclear Physics A, 2021, 1016, 122321.	0.6	3
11	Bubble structure in superheavy nuclei around neutron and proton shell closure. International Journal of Modern Physics E, 2021, 30, .	0.4	2
12	Recapitulation on latent heat hybrid buildings. International Journal of Energy Research, 2020, 44, 1370-1407.	2.2	16
13	Development and characterization of ternary mixture series of medium and long chain saturated fatty acids for energy applications. Energy Storage, 2020, 2, e112.	2.3	7
14	Analysis and optimization of the closed-adsorption heat storage bed performance. Journal of Energy Storage, 2020, 32, 101896.	3.9	10
15	Technical, financial, and environmental feasibility of solar water heater for residential, commercial, and industrial application: A theoretical approach. Materials Science for Energy Technologies, 2020, 3, 648-671.	1.0	6
16	Numerical heat transfer study of energy storage materials used in the latent heat storage system. Materials Science for Energy Technologies, 2020, 3, 633-639.	1.0	3
17	Possible dual bubble-like structure predicted by the relativistic Hartree-Bogoliubov model. International Journal of Modern Physics E, 2020, 29, 2050073.	0.4	3
18	Heat transfer study of building integrated photovoltaic (BIPV) with nano-enhanced phase change materials. Journal of Energy Storage, 2020, 30, 101563.	3.9	38

#	ARTICLE	IF	CITATIONS
19	Analysis and design of air ventilated building integrated photovoltaic (BIPV) system incorporating phase change materials. <i>Energy Conversion and Management</i> , 2019, 196, 149-164.	4.4	70
20	Melting and solidification behaviour of phase change materials with cyclic heating and cooling. <i>Journal of Energy Storage</i> , 2018, 15, 274-282.	3.9	44
21	Solar still with latent heat energy storage: A review. <i>Innovative Food Science and Emerging Technologies</i> , 2017, 41, 34-46.	2.7	75
22	Heat transfer study of phase change materials with graphene nano particle for thermal energy storage. <i>Solar Energy</i> , 2017, 146, 453-463.	2.9	176
23	Heat transfer studies of building brick containing phase change materials. <i>Solar Energy</i> , 2017, 155, 1233-1242.	2.9	98
24	Study of the $(p, \hat{1}^3)$ and $(\hat{1}^{\pm}, \hat{1}^3)$ reactions for $^{96,98,104}\text{Ru}$ and $^{112,114,116}\text{Sn}$ at astrophysically relevant energies. <i>Physics of Atomic Nuclei</i> , 2017, 80, 402-411.	0.1	0
25	Solar Greenhouse With Thermal Energy Storage: a Review. <i>Current Sustainable/Renewable Energy Reports</i> , 2016, 3, 58-66.	1.2	27
26	Thermal response of poly-crystalline silicon photovoltaic panels: Numerical simulation and experimental study. <i>Solar Energy</i> , 2016, 134, 147-155.	2.9	87
27	Systematic study of bubble nuclei in relativistic mean field model. <i>Physics of Atomic Nuclei</i> , 2016, 79, 11-20.	0.1	9
28	Performance evaluation of fatty acids as phase change material for thermal energy storage. <i>Journal of Energy Storage</i> , 2016, 6, 153-162.	3.9	64
29	Ternary mixture of fatty acids as phase change materials for thermal energy storage applications. <i>Energy Reports</i> , 2016, 2, 274-279.	2.5	55
30	Heat transfer studies of photovoltaic panel coupled with phase change material. <i>Solar Energy</i> , 2016, 140, 151-161.	2.9	151
31	Thermal energy storage based solar drying systems: A review. <i>Innovative Food Science and Emerging Technologies</i> , 2016, 34, 86-99.	2.7	142
32	Thermal cycle test of binary mixtures of some fatty acids as phase change materials for building applications. <i>Energy and Buildings</i> , 2015, 99, 196-203.	3.1	51
33	Development of thermal energy storage materials for biomedical applications. <i>Journal of Medical Engineering and Technology</i> , 2015, 39, 363-368.	0.8	29
34	Development of phase change materials (PCMs) for low temperature energy storage applications. <i>Sustainable Energy Technologies and Assessments</i> , 2014, 7, 17-21.	1.7	69
35	Development of phase change materials for building applications. <i>Energy and Buildings</i> , 2013, 64, 403-407.	3.1	77
36	Reaction cross-sections for light nuclei on ^{12}C using relativistic mean field formalism. <i>Journal of Physics G: Nuclear and Particle Physics</i> , 2006, 32, 2089-2097.	1.4	18