

Ashwini Kumar

List of Publications by Year in descending order

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papers

487
citations

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21
g-index

37
all docs

37
docs citations

37
times ranked

330
citing authors

#	ARTICLE	IF	CITATIONS
1	Interfering of liquid fuel dropletsâ€”A burning approach. Materials Today: Proceedings, 2022, 56, 278-281.	0.9	1
2	Study of 3D scanning technologies and scanners in orthodontics. Materials Today: Proceedings, 2022, 56, 186-193.	0.9	12
3	A study of morphology, UV measurements and zeta potential of Zinc Ferrite and Al ₂ O ₃ nanofluids. Materials Today: Proceedings, 2022, 59, 1034-1039.	0.9	16
4	Performance Analysis of Three Side Roughened Solar Air Heater: A Preliminary Investigation. Materials, 2022, 15, 2541.	1.3	3
5	Comparative study on W-shaped roughened solar air heaters by using booster mirror. Materials Today: Proceedings, 2021, 46, 5675-5680.	0.9	4
6	Towards better performances for a novel rooftop solar PV system. Solar Energy, 2021, 216, 518-529.	2.9	48
7	Performance of heat transfer mechanism in nucleate pool boiling -a relative approach of contribution to various heat transfer components. Case Studies in Thermal Engineering, 2021, 24, 100827.	2.8	9
8	Diamond-Like Carbon (DLC) Coatings: Classification, Properties, and Applications. Applied Sciences (Switzerland), 2021, 11, 4445.	1.3	71
9	Analysis of Thermal Efficiency of Solar Flat Plate Collector Using Twisted Tape. Lecture Notes in Mechanical Engineering, 2021, , 89-97.	0.3	5
10	Fundamental Concepts of Bamboo: Classifications, Properties and Applications. , 2021, , 39-62.		3
11	Processing of Mica for Extraction of Alumina and Potash Values. Transactions of the Indian Institute of Metals, 2020, 73, 23-33.	0.7	9
12	Optimization of packed bed solar air heatersâ€”A thermoâ€”hydraulic approach. Energy Storage, 2020, 2, e119.	2.3	6
13	Mechano-Chemical Processing of Diaspore Sample for Extraction and Synthesis of Gamma-Alumina and Potash Values. Jom, 2020, 72, 3367-3376.	0.9	3
14	Processing of Coal Fly Ash for the Extraction of Alumina Values. Journal of Sustainable Metallurgy, 2020, 6, 294-306.	1.1	15
15	Hydrometallurgical Investigation of Sericite Clay for Extraction of Alumina and Potash Under Controlled Conditions. Mining, Metallurgy and Exploration, 2020, 37, 911-921.	0.4	3
16	Influence of Firing Temperature on the Physical, Thermal and Microstructural Properties of Kankara Kaolin Clay: A Preliminary Investigation. Materials, 2020, 13, 1872.	1.3	15
17	Evaluation of Mica as a Source of Potash. Mining, Metallurgy and Exploration, 2019, 36, 547-555.	0.4	9
18	Utilization of Mica for Potassium Recovery. Materials Today: Proceedings, 2018, 5, 17030-17034.	0.9	8

#	ARTICLE	IF	CITATIONS
19	DEVELOPMENT OF CORRELATIONS OF HEAT TRANSFER AND FLUID FLOW CHARACTERISTICS FOR THREE SIDES ARTIFICIALLY ROUGHENED SOLAR AIR HEATERS. JP Journal of Heat and Mass Transfer, 2018, 15, 93-123.	0.1	2
20	Experimental Study of V-Through Solar Water Heater for Tilt Angle and Glass Transmissivity. Energy Procedia, 2017, 109, 377-384.	1.8	11
21	Thermal Analysis of Three Sides Artificially Roughened Solar Air Heaters. Energy Procedia, 2017, 109, 279-285.	1.8	13
22	Numerical Analysis of a Modified Type Pulse Tube Refrigerator. Energy Procedia, 2017, 109, 456-462.	1.8	3
23	Heat transfer, friction factor and thermal performance of three sides artificially roughened solar air heaters. Solar Energy, 2016, 130, 46-59.	2.9	47
24	Optimization of thermo hydraulic performance in three sides artificially roughened solar air heaters. Solar Energy, 2015, 111, 313-319.	2.9	35
25	Illumination based Sub Image Histogram Equalization: A Novel Method of Image Contrast Enhancement. International Journal of Computer Applications, 2015, 119, 14-19.	0.2	0
26	Fluid flow and heat transfer analysis for heat transfer enhancement in three sided artificially roughened solar air heater. Solar Energy, 2014, 105, 27-35.	2.9	43
27	Thermal performance of artificially roughened solar air heaters. Solar Energy, 2013, 91, 59-67.	2.9	56
28	Fuzzy Min-Max Neural Networks for Business Intelligence. , 2013, , .		5
29	Dynamical Analysis of Stiffened Plates under Patch Loading. International Journal of Applied Mechanics and Engineering, 2013, 18, 537-553.	0.3	5
30	Parametric performance optimization of three sides roughened solar air heater. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-21.	1.2	20