

Ashwini Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

487
citations

933447

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713466

21
g-index

37
all docs

37
docs citations

37
times ranked

330
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Diamond-Like Carbon (DLC) Coatings: Classification, Properties, and Applications. Applied Sciences (Switzerland), 2021, 11, 4445. | 2.5 | 71 |
| 2 | Thermal performance of artificially roughened solar air heaters. Solar Energy, 2013, 91, 59-67. | 6.1 | 56 |
| 3 | Towards better performances for a novel rooftop solar PV system. Solar Energy, 2021, 216, 518-529. | 6.1 | 48 |
| 4 | Heat transfer, friction factor and thermal performance of three sides artificially roughened solar air heaters. Solar Energy, 2016, 130, 46-59. | 6.1 | 47 |
| 5 | Fluid flow and heat transfer analysis for heat transfer enhancement in three sided artificially roughened solar air heater. Solar Energy, 2014, 105, 27-35. | 6.1 | 43 |
| 6 | Optimization of thermo hydraulic performance in three sides artificially roughened solar air heaters. Solar Energy, 2015, 111, 313-319. | 6.1 | 35 |
| 7 | Parametric performance optimization of three sides roughened solar air heater. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-21. | 2.3 | 20 |
| 8 | 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. | 1.8 | 16 |
| 9 | Processing of Coal Fly Ash for the Extraction of Alumina Values. Journal of Sustainable Metallurgy, 2020, 6, 294-306. | 2.3 | 15 |
| 10 | Influence of Firing Temperature on the Physical, Thermal and Microstructural Properties of Kankara Kaolin Clay: A Preliminary Investigation. Materials, 2020, 13, 1872. | 2.9 | 15 |
| 11 | Thermal Analysis of Three Sides Artificially Roughened Solar Air Heaters. Energy Procedia, 2017, 109, 279-285. | 1.8 | 13 |
| 12 | Study of 3D scanning technologies and scanners in orthodontics. Materials Today: Proceedings, 2022, 56, 186-193. | 1.8 | 12 |
| 13 | Experimental Study of V-Through Solar Water Heater for Tilt Angle and Glass Transmissivity. Energy Procedia, 2017, 109, 377-384. | 1.8 | 11 |
| 14 | Evaluation of Mica as a Source of Potash. Mining, Metallurgy and Exploration, 2019, 36, 547-555. | 0.8 | 9 |
| 15 | Processing of Mica for Extraction of Alumina and Potash Values. Transactions of the Indian Institute of Metals, 2020, 73, 23-33. | 1.5 | 9 |
| 16 | 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. | 5.7 | 9 |
| 17 | Utilization of Mica for Potassium Recovery. Materials Today: Proceedings, 2018, 5, 17030-17034. | 1.8 | 8 |
| 18 | Optimization of packed bed solar air heatersâ€”A thermoâ€œhydraulic approach. Energy Storage, 2020, 2, e119. | 4.3 | 6 |

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Fuzzy Min-Max Neural Networks for Business Intelligence. , 2013, , . | | 5 |
| 20 | Dynamical Analysis of Stiffened Plates under Patch Loading. International Journal of Applied Mechanics and Engineering, 2013, 18, 537-553. | 0.7 | 5 |
| 21 | Analysis of Thermal Efficiency of Solar Flat Plate Collector Using Twisted Tape. Lecture Notes in Mechanical Engineering, 2021, , 89-97. | 0.4 | 5 |
| 22 | Comparative study on W-shaped roughened solar air heaters by using booster mirror. Materials Today: Proceedings, 2021, 46, 5675-5680. | 1.8 | 4 |
| 23 | Numerical Analysis of a Modified Type Pulse Tube Refrigerator. Energy Procedia, 2017, 109, 456-462. | 1.8 | 3 |
| 24 | Mechano-Chemical Processing of Diaspore Sample for Extraction and Synthesis of Gamma-Alumina and Potash Values. Jom, 2020, 72, 3367-3376. | 1.9 | 3 |
| 25 | Hydrometallurgical Investigation of Sericite Clay for Extraction of Alumina and Potash Under Controlled Conditions. Mining, Metallurgy and Exploration, 2020, 37, 911-921. | 0.8 | 3 |
| 26 | Fundamental Concepts of Bamboo: Classifications, Properties and Applications. , 2021, , 39-62. | | 3 |
| 27 | Performance Analysis of Three Side Roughened Solar Air Heater: A Preliminary Investigation. Materials, 2022, 15, 2541. | 2.9 | 3 |
| 28 | 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. | 0.2 | 2 |
| 29 | Interfering of liquid fuel dropletsâ€™A burning approach. Materials Today: Proceedings, 2022, 56, 278-281. | 1.8 | 1 |
| 30 | 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 |