

Anil Singh Yadav

List of Publications by Year in descending order

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36
papers

1,604
citations

430874

18
h-index

345221

36
g-index

36
all docs

36
docs citations

36
times ranked

378
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental Investigation on Heat Transfer Enhancement of Artificially Roughened Solar Air Heater. Heat Transfer Engineering, 2023, 44, 624-637.	1.9	13
2	Thermal Performance Assessment of Greenhouse Solar Dryer Operated Under Active Mode. Lecture Notes in Mechanical Engineering, 2022, , 75-82.	0.4	17
3	A theoretical parametric analysis to optimize the bed depth of packed bed solar air collector. International Journal of Green Energy, 2022, 19, 775-785.	3.8	18
4	Revisiting the influence of artificial roughness shapes on heat transfer enhancement. Materials Today: Proceedings, 2022, 62, 1383-1391.	1.8	13
5	Recent advances in modeling and simulation techniques used in analysis of solar air heater having ribs. Materials Today: Proceedings, 2022, 62, 1375-1382.	1.8	12
6	CFD analysis of heat transfer performance of ribbed solar air heater. Materials Today: Proceedings, 2022, 62, 1413-1419.	1.8	17
7	CFD based heat transfer correlation for ribbed solar air heater. Materials Today: Proceedings, 2022, 62, 1402-1407.	1.8	16
8	Friction stir welding of cast aluminum alloy (A319): Effect of process parameters. Materials Today: Proceedings, 2022, 56, 1024-1033.	1.8	5
9	Augmented artificially roughened solar air heaters. Materials Today: Proceedings, 2022, 63, 226-239.	1.8	18
10	Effect of 450 protruded and dimpled rib height on the performance of triangular duct solar heat collector. Materials Today: Proceedings, 2022, 63, 253-258.	1.8	8
11	Revisiting the effect of ribs on performance of solar air heater using CFD approach. Materials Today: Proceedings, 2022, 63, 240-252.	1.8	17
12	Solar thermal air heater for sustainable development. Materials Today: Proceedings, 2022, 60, 80-86.	1.8	18
13	Performance enhancement of solar air heater by attaching artificial rib roughness on the absorber Plate. Materials Today: Proceedings, 2022, 63, 706-717.	1.8	8
14	Investigation on performance enhancement due to rib roughened solar air heater. Materials Today: Proceedings, 2022, 63, 726-730.	1.8	9
15	CFD-Based Correlation Development for Artificially Roughened Solar Air Heater. Lecture Notes in Mechanical Engineering, 2021, , 217-226.	0.4	28
16	Comparative Study of the Performance of Double-Pass and Single-Pass Solar Air Heater with Thermal Storage. Lecture Notes in Mechanical Engineering, 2021, , 227-237.	0.4	28
17	3-dimensional CFD simulation and correlation development for circular tube equipped with twisted tape. Materials Today: Proceedings, 2021, 47, 2662-2668.	1.8	13
18	Numerical simulation and CFD-based correlations for artificially roughened solar air heater. Materials Today: Proceedings, 2021, 47, 2685-2693.	1.8	31

#	ARTICLE	IF	CITATIONS
19	Graphene: An overview of its characteristics and applications. <i>Materials Today: Proceedings</i> , 2021, 47, 2752-2755.	1.8	17
20	CFD simulation on thermo-hydraulic characteristics of a circular tube having twisted tape inserts. <i>Materials Today: Proceedings</i> , 2021, 47, 2790-2795.	1.8	22
21	Enhanced solar thermal air heater: A numerical investigation. <i>Materials Today: Proceedings</i> , 2021, 47, 2777-2783.	1.8	29
22	Analysis of intake swirl in a compression ignition engine at different intake valve lifts. <i>Materials Today: Proceedings</i> , 2021, 47, 2869-2869.	1.8	7
23	Analysis of optimized turning parameters of Hastelloy C-276 using PVD coated carbide inserts in CNC lathe under dry condition. <i>Materials Today: Proceedings</i> , 2021, 47, 2929-2948.	1.8	8
24	Numerical Simulation of Ribbed Solar Air Heater. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 549-558.	0.4	37
25	Heat Transfer and Friction Characteristics of an Artificially Roughened Solar Air Heater. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 613-626.	0.4	38
26	Artificially roughened solar air heater: A comparative study. <i>International Journal of Green Energy</i> , 2016, 13, 143-172.	3.8	47
27	CFD investigation of effect of relative roughness height on Nusselt number and friction factor in an artificially roughened solar air heater. <i>Journal of the Chinese Institute of Engineers, Transactions of the Chinese Institute of Engineers, Series A/Chung-kuo Kung Ch'eng Hsueh K'uan</i> , 2015, 38, 494-502.	1.1	40
28	Numerical investigation of flow through an artificially roughened solar air heater. <i>International Journal of Ambient Energy</i> , 2015, 36, 87-100.	2.5	57
29	A numerical investigation of square sectioned transverse rib roughened solar air heater. <i>International Journal of Thermal Sciences</i> , 2014, 79, 111-131.	4.9	173
30	Heat transfer and fluid flow analysis of an artificially roughened solar air heater: a CFD based investigation. <i>Frontiers in Energy</i> , 2014, 8, 201-211.	2.3	46
31	A CFD based thermo-hydraulic performance analysis of an artificially roughened solar air heater having equilateral triangular sectioned rib roughness on the absorber plate. <i>International Journal of Heat and Mass Transfer</i> , 2014, 70, 1016-1039.	4.8	214
32	A Numerical Investigation of Turbulent Flows through an Artificially Roughened Solar Air Heater. <i>Numerical Heat Transfer; Part A: Applications</i> , 2014, 65, 679-698.	2.1	68
33	Artificially roughened solar air heater: Experimental investigations. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 36, 370-411.	16.4	77
34	Heat transfer and fluid flow analysis of solar air heater: A review of CFD approach. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 23, 60-79.	16.4	193
35	A CFD (computational fluid dynamics) based heat transfer and fluid flow analysis of a solar air heater provided with circular transverse wire rib roughness on the absorber plate. <i>Energy</i> , 2013, 55, 1127-1142.	8.8	195
36	Modeling and Simulation of Turbulent Flows through a Solar Air Heater Having Square-Sectioned Transverse Rib Roughness on the Absorber Plate. <i>Scientific World Journal, The</i> , 2013, 2013, 1-12.	2.1	47