

Vilas R Kalamkar

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

962
citations

516710

16
h-index

477307

29
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32
all docs

32
docs citations

32
times ranked

847
citing authors

#	ARTICLE	IF	CITATIONS
1	A comprehensive review on biomass cookstoves and a systematic approach for modern cookstove design. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 30, 580-603.	16.4	201
2	Solar photovoltaic water pumping system - A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 59, 1038-1067.	16.4	171
3	Experimental and numerical investigation of forced convective heat transfer in solar air heater with thin ribs. <i>Solar Energy</i> , 2017, 147, 277-291.	6.1	84
4	Thermo-hydraulic performance analysis of solar air heaters having artificial roughnessâ€“A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 413-435.	16.4	72
5	Effects of total head and solar radiation on the performance of solar water pumping system. <i>Renewable Energy</i> , 2018, 118, 919-927.	8.9	52
6	Performance investigations of solar water pumping system using helical pump under the outdoor condition of Nagpur, India. <i>Renewable Energy</i> , 2016, 97, 737-745.	8.9	36
7	Computational Fluid Dynamics approach in thermo-hydraulic analysis of flow in ducts with rib roughened walls â€“ A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 55, 756-788.	16.4	36
8	Performance evaluation of PV panel surfaces exposed to hydraulic cooling â€“ A review. <i>Solar Energy</i> , 2021, 224, 1193-1209.	6.1	33
9	A mathematical tool for predicting thermal performance of natural draft biomass cookstoves and identification of a new operational parameter. <i>Energy</i> , 2015, 93, 188-201.	8.8	28
10	Experimental and CFD analysis to study the effect of inlet area ratio in a natural draft biomass cookstove. <i>Environment, Development and Sustainability</i> , 2020, 22, 1897-1911.	5.0	26
11	Investigation of Quality Benefits of ERP Implementation in Indian SMEs. <i>Procedia Computer Science</i> , 2015, 49, 220-228.	2.0	24
12	Application of multi-response robust parameter design for performance optimization of a hybrid draft biomass cook stove. <i>Renewable Energy</i> , 2020, 153, 1127-1139.	8.9	22
13	Cooling Performance of a Novel Circulatory Flow Concentric Multi-Channel Heat Sink with Nanofluids. <i>Nanomaterials</i> , 2020, 10, 647.	4.1	22
14	Making the popular clean: improving the traditional multipot biomass cookstove in Maharashtra, India. <i>Environment, Development and Sustainability</i> , 2019, 21, 1391-1410.	5.0	20
15	Multi-response robust design optimization of natural draft biomass cook stove using response surface methodology and desirability function. <i>Biomass and Bioenergy</i> , 2020, 135, 105507.	5.7	19
16	User-centric approach for the design and sizing of natural convection biomass cookstoves for lower emissions. <i>Energy</i> , 2016, 115, 1202-1215.	8.8	18
17	Effect of geometrical and operational parameters on paraffin's melting performance in helical coiled latent heat storage for solar application: A numerical study. <i>International Journal of Thermal Sciences</i> , 2022, 176, 107509.	4.9	17
18	Enhancing the Performance of Solar Photovoltaic Water Pumping System by Water Cooling Over and Below the Photovoltaic Array. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2020, 142, .	1.8	14

#	ARTICLE	IF	CITATIONS
19	Solar flux distribution study in heat pipe cavity receiver integrated with biomass gasifier. International Journal of Energy Research, 2020, 44, 7698-7712.	4.5	10
20	Performance investigations of solar photovoltaic water pumping system using centrifugal deep well pump. Thermal Science, 2020, 24, 2915-2927.	1.1	10
21	Effect of head and PV array configurations on solar water pumping system. Materials Today: Proceedings, 2021, 46, 5475-5481.	1.8	7
22	Experimental investigations on the seasonal performance variations of directly coupled solar photovoltaic water pumping system using centrifugal pump. Environment, Development and Sustainability, 2021, 23, 8288-8306.	5.0	7
23	Hybrid draft direct-combustion with secondary air jets in cross-flow for reducing CO and PM2.5 emissions in biomass cookstoves. Sustainable Energy Technologies and Assessments, 2022, 51, 101913.	2.7	7
24	Experimental and numerical analyses for designing two-pot biomass cookstove. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	6
25	Experimental and computational analysis of behavior of three-way catalytic converter under axial and radial flow conditions. International Journal of Fluid Machinery and Systems, 2012, 5, 134-142.	0.2	5
26	The Effect of Inlet Area Ratio on the Performance of Multi-pot Natural Draft Biomass Cookstove. Proceedings of the National Academy of Sciences India Section A - Physical Sciences, 2022, 92, 479-489.	1.2	4
27	Social and Economic Impact Assessment of Solar Water Pumping System on Farmers in Nagpur District of Maharashtra State of India. Lecture Notes in Mechanical Engineering, 2020, , 19-26.	0.4	4
28	A mathematical modeling of two-pot biomass cookstove. Journal of Physics: Conference Series, 2019, 1276, 012046.	0.4	3
29	Heat and Temperatures in Machining: Effects and Significance. Advanced Materials Research, 0, 622-623, 1550-1553.	0.3	0
30	CFD Code Validation and Qualitative Study of Effects of Tip Clearance Variation on Performance of Transonic Axial Compressor Rotor. , 2012, , .		0