

Vilas R Kalamkar

List of Publications by Year in descending order

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30
papers

962
citations

516710

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32
all docs

32
docs citations

32
times ranked

847
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Effect of geometrical and operational parameters on paraffin's melting performance in helical coiled latent heat storage for solar application: A numerical study. International Journal of Thermal Sciences, 2022, 176, 107509.	4.9	17
4	Effect of head and PV array configurations on solar water pumping system. Materials Today: Proceedings, 2021, 46, 5475-5481.	1.8	7
5	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
6	Performance evaluation of PV panel surfaces exposed to hydraulic cooling – A review. Solar Energy, 2021, 224, 1193-1209.	6.1	33
7	Experimental and CFD analysis to study the effect of inlet area ratio in a natural draft biomass cookstove. Environment, Development and Sustainability, 2020, 22, 1897-1911.	5.0	26
8	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
9	Application of multi-response robust parameter design for performance optimization of a hybrid draft biomass cook stove. Renewable Energy, 2020, 153, 1127-1139.	8.9	22
10	Multi-response robust design optimization of natural draft biomass cook stove using response surface methodology and desirability function. Biomass and Bioenergy, 2020, 135, 105507.	5.7	19
11	Cooling Performance of a Novel Circulatory Flow Concentric Multi-Channel Heat Sink with Nanofluids. Nanomaterials, 2020, 10, 647.	4.1	22
12	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
13	Enhancing the Performance of Solar Photovoltaic Water Pumping System by Water Cooling Over and Below the Photovoltaic Array. Journal of Solar Energy Engineering, Transactions of the ASME, 2020, 142, .	1.8	14
14	Performance investigations of solar photovoltaic water pumping system using centrifugal deep well pump. Thermal Science, 2020, 24, 2915-2927.	1.1	10
15	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
16	A mathematical modeling of two-pot biomass cookstove. Journal of Physics: Conference Series, 2019, 1276, 012046.	0.4	3
17	Making the popular clean: improving the traditional multipot biomass cookstove in Maharashtra, India. Environment, Development and Sustainability, 2019, 21, 1391-1410.	5.0	20
18	Effects of total head and solar radiation on the performance of solar water pumping system. Renewable Energy, 2018, 118, 919-927.	8.9	52

#	ARTICLE	IF	CITATIONS
19	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
20	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
21	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
22	Solar photovoltaic water pumping system - A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 59, 1038-1067.	16.4	171
23	Computational Fluid Dynamics approach in thermo-hydraulic analysis of flow in ducts with rib roughened walls – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 55, 756-788.	16.4	36
24	Investigation of Quality Benefits of ERP Implementation in Indian SMEs. <i>Procedia Computer Science</i> , 2015, 49, 220-228.	2.0	24
25	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
26	Thermo-hydraulic performance analysis of solar air heaters having artificial roughness – A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 41, 413-435.	16.4	72
27	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
28	CFD Code Validation and Qualitative Study of Effects of Tip Clearance Variation on Performance of Transonic Axial Compressor Rotor. , 2012, , .		0
29	Experimental and computational analysis of behavior of three-way catalytic converter under axial and radial flow conditions. <i>International Journal of Fluid Machinery and Systems</i> , 2012, 5, 134-142.	0.2	5
30	Heat and Temperatures in Machining: Effects and Significance. <i>Advanced Materials Research</i> , 0, 622-623, 1550-1553.	0.3	0