

Sandip S Deshmukh

List of Publications by Year in descending order

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39
papers

1,395
citations

586496

16
h-index

511568

30
g-index

42
all docs

42
docs citations

42
times ranked

1496
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal conductivity prediction of titania-water nanofluid: A case study using different machine learning algorithms. <i>Case Studies in Thermal Engineering</i> , 2022, 30, 101658.	2.8	27
2	Effect of sensible heat storage materials on the thermal performance of solar air heaters: State-of-the-art review. <i>Renewable and Sustainable Energy Reviews</i> , 2022, 157, 112085.	8.2	47
3	Characterization of column flow regimes on horizontal tubes for fallingâ€film systems: An experimental approach. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2022, 17, .	0.8	7
4	An evaluation for the optimal sensible heat storage material for maximizing solar still productivity: A state-of-the-art review. <i>Journal of Energy Storage</i> , 2022, 50, 104622.	3.9	21
5	Energy security challenges of developing countries. , 2022, , 127-169.		1
6	Predicting the yield of stepped corrugated solar distiller using kernel-based machine learning models. <i>Applied Thermal Engineering</i> , 2022, 213, 118759.	3.0	31
7	Thermoeconomic analysis of solar distillation system with stepped-corrugated absorber plate. <i>Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science</i> , 2021, 235, 1478-1497.	1.1	14
8	Significance of Nanomaterials in solar energy storage applications. <i>Materials Today: Proceedings</i> , 2021, 38, 2633-2638.	0.9	3
9	Utilization of LSTM neural network for water production forecasting of a stepped solar still with a corrugated absorber plate. <i>Chemical Engineering Research and Design</i> , 2021, 148, 273-282.	2.7	128
10	Field Performance Monitoring of Roof-Mounted SPV Systems: Application of Internet-Enabled Technologies. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 559-569.	0.5	0
11	Life-cycle-assessment based design of a standalone photovoltaic system: a case study using a theoretical and numerical approach. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2021, 43, 1.	0.8	2
12	Energy-Drinking Water-Health Nexus in Developing Countries. <i>Advanced Sciences and Technologies for Security Applications</i> , 2021, , 411-445.	0.4	3
13	Techno-economic review of solar distillation systems: A closer look at the recent developments for commercialisation. <i>Journal of Cleaner Production</i> , 2021, 294, 126289.	4.6	31
14	Positioning of Wind Turbine in a Wind Farm for Optimum Generation of Power Using Genetic Algorithm for Multiple Direction. <i>Smart Innovation, Systems and Technologies</i> , 2021, , 769-778.	0.5	0
15	Energy, drinking water and health nexus in India and its effects on environment and economy. <i>Journal of Water and Climate Change</i> , 2021, 12, 997-1022.	1.2	7
16	Parametric study for the prediction of wind energy potential over the southern part of India using neural network and geographic information system approach. <i>Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy</i> , 2020, 234, 96-109.	0.8	18
17	A review of the use of phase change materials on performance of solar stills. <i>Journal of Energy Storage</i> , 2020, 30, 101398.	3.9	73
18	A review on research trends in solar still designs for domestic and industrial applications. <i>Journal of Cleaner Production</i> , 2020, 257, 120544.	4.6	81

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19	Effects of alternate nutrient medium on microalgae biomass and lipid production as a bioenergy source for fuel production. <i>Materials Today: Proceedings</i> , 2020, 28, 659-664.	0.9	5
20	Selection of suitable and sustainable clarificants and clarification method for non-centrifugal sugar production using MCE. <i>Materials Today: Proceedings</i> , 2020, 28, 893-897.	0.9	3
21	Development of machine learning based predictive algorithm for thruster orifice diameter in rocket engine. <i>Materials Today: Proceedings</i> , 2020, 28, 693-697.	0.9	0
22	Feasibility and Sensitivity Analysis of a Hybrid Photovoltaic/Wind/Biogas/Fuel-Cell/Diesel/Battery System for Off-Grid Rural Electrification Using homer. <i>Journal of Energy Resources Technology, Transactions of the ASME</i> , 2020, 142, .	1.4	22
23	Effects of using alcohols on the performance and emissions of a diesel engine. <i>Journal of Physics: Conference Series</i> , 2019, 1276, 012061.	0.3	1
24	Study on thermal storage properties of microencapsulated organic ester as phase change material for cooling application. <i>International Journal of Environmental Analytical Chemistry</i> , 2019, , 1-10.	1.8	2
25	Laboratory based Experimental Investigation of Photovoltaic (PV) Thermo-control with Water and its Proposed Real-time Implementation. <i>Renewable Energy</i> , 2018, 115, 128-138.	4.3	35
26	Evaluation and Mapping of Wind Energy Potential over Southern Part of India using ANN and GIS Approach. , 2018, , .		1
27	Use of Artificial Neural Networks for Prediction of Solar Energy Potential in Southern States of India. , 2018, , .		4
28	Forecasting how residential urban form affects the regional carbon savings and costs of retrofitting and decentralized energy supply. <i>Applied Energy</i> , 2017, 186, 549-561.	5.1	34
29	Fuzzy-AHP Approach to Improve Effectiveness of Supply Chain. <i>Studies in Fuzziness and Soft Computing</i> , 2014, , 35-59.	0.6	7
30	Sustainable Development by Rural Energy Resources Allocation in India. <i>International Journal of Energy Optimization and Engineering</i> , 2013, 2, 37-49.	0.4	4
31	A fuzzy mixed integer goal programming approach for cooking and heating energy planning in rural India. <i>Expert Systems With Applications</i> , 2011, 38, 11377-11381.	4.4	25
32	Optimization of energy resources for cooking and heatingâ€”A fuzzy goal programming approach. <i>Journal of Renewable and Sustainable Energy</i> , 2011, 3, .	0.8	3
33	Energy Resource Allocation in Energy Planning. , 2011, , 801-846.		2
34	A Study of Urban Form and the Integration of Energy Supply Technologies. , 2011, , .		6
35	Determination of water quality index by fuzzy logic approach: a case of ground water in an Indian town. <i>Water Science and Technology</i> , 2010, 61, 1987-1994.	1.2	23
36	A new approach to micro-level energy planningâ€”A case of northern parts of Rajasthan, India. <i>Renewable and Sustainable Energy Reviews</i> , 2009, 13, 634-642.	8.2	34

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37	Modeling of hybrid renewable energy systems. Renewable and Sustainable Energy Reviews, 2008, 12, 235-249.	8.2	680
38	Recent Trends on Drivetrain Control Strategies and Battery Parameters of a Hybrid Electric Vehicle. , 0, , .		4
39	En Route for the Accomplishment of SDG-7 in South Asian Countries: A Retrospective Study. Strategic Planning for Energy and the Environment, 0, , .	0.9	0