Sandip S Deshmukh

List of Publications by Year
in descending order

39 papers	1,395 citations	516710 16 h-index	454955 30 g-index
42 all docs	42 docs citations	42 times ranked	1316 citing authors

#	Article	IF	Citations
1	Modeling of hybrid renewable energy systems. Renewable and Sustainable Energy Reviews, 2008, 12, 235-249.	16.4	680
2	Utilization of LSTM neural network for water production forecasting of a stepped solar still with a corrugated absorber plate. Chemical Engineering Research and Design, 2021, 148, 273-282.	5.6	128
3	A review on research trends in solar still designs for domestic and industrial applications. Journal of Cleaner Production, 2020, 257, 120544.	9.3	81
4	A review of the use of phase change materials on performance of solar stills. Journal of Energy Storage, 2020, 30, 101398.	8.1	73
5	Effect of sensible heat storage materials on the thermal performance of solar air heaters: State-of-the-art review. Renewable and Sustainable Energy Reviews, 2022, 157, 112085.	16.4	47
6	Laboratory based Experimental Investigation of Photovoltaic (PV) Thermo-control with Water and its Proposed Real-time Implementation. Renewable Energy, 2018, 115, 128-138.	8.9	35
7	A new approach to micro-level energy planning—A case of northern parts of Rajasthan, India. Renewable and Sustainable Energy Reviews, 2009, 13, 634-642.	16.4	34
8	Forecasting how residential urban form affects the regional carbon savings and costs of retrofitting and decentralized energy supply. Applied Energy, 2017, 186, 549-561.	10.1	34
9	Techno-economic review of solar distillation systems: A closer look at the recent developments for commercialisation. Journal of Cleaner Production, 2021, 294, 126289.	9.3	31
10	Predicting the yield of stepped corrugated solar distiller using kernel-based machine learning models. Applied Thermal Engineering, 2022, 213, 118759.	6.0	31
11	Thermal conductivity prediction of titania-water nanofluid: A case study using different machine learning algorithms. Case Studies in Thermal Engineering, 2022, 30, 101658.	5.7	27
12	A fuzzy mixed integer goal programming approach for cooking and heating energy planning in rural India. Expert Systems With Applications, 2011, 38, 11377-11381.	7.6	25
13	Determination of water quality index by fuzzy logic approach: a case of ground water in an Indian town. Water Science and Technology, 2010, 61, 1987-1994.	2.5	23
14	Feasibility and Sensitivity Analysis of a Hybrid Photovoltaic/Wind/Biogas/Fuel-Cell/Diesel/Battery System for Off-Grid Rural Electrification Using homer. Journal of Energy Resources Technology, Transactions of the ASME, 2020, 142, .	2.3	22
15	An evaluation for the optimal sensible heat storage material for maximizing solar still productivity: A state-of-the-art review. Journal of Energy Storage, 2022, 50, 104622.	8.1	21
16	Parametric study for the prediction of wind energy potential over the southern part of India using neural network and geographic information system approach. Proceedings of the Institution of Mechanical Engineers, Part A: Journal of Power and Energy, 2020, 234, 96-109.	1.4	18
17	Thermoeconomic analysis of solar distillation system with stepped-corrugated absorber plate. Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering Science, 2021, 235, 1478-1497.	2.1	14
18	Fuzzy-AHP Approach to Improve Effectiveness of Supply Chain. Studies in Fuzziness and Soft Computing, 2014, , 35-59.	0.8	7

#	ARTICLE	IF	CITATIONS
19	Energy, drinking water and health nexus in India and its effects on environment and economy. Journal of Water and Climate Change, 2021, 12, 997-1022.	2.9	7
20	Characterization of column flow regimes on horizontal tubes for falling–film systems: An experimental approach. Asia-Pacific Journal of Chemical Engineering, 2022, 17, .	1.5	7
21	A Study of Urban Form and the Integration of Energy Supply Technologies. , 2011, , .		6
22	Effects of alternate nutrient medium on microalgae biomass and lipid production as a bioenergy source for fuel production. Materials Today: Proceedings, 2020, 28, 659-664.	1.8	5
23	Use of Artificial Neural Networks for Prediction of Solar Energy Potential in Southern States of India. , 2018, , .		4
24	Sustainable Development by Rural Energy Resources Allocation in India. International Journal of Energy Optimization and Engineering, 2013, 2, 37-49.	0.6	4
25	Recent Trends on Drivetrain Control Strategies and Battery Parameters of a Hybrid Electric Vehicle. , 0, , .		4
26	Optimization of energy resources for cooking and heating—A fuzzy goal programming approach. Journal of Renewable and Sustainable Energy, 2011, 3, .	2.0	3
27	Selection of suitable and sustainable clarifants and clarification method for non-centrifugal sugar production using MCE. Materials Today: Proceedings, 2020, 28, 893-897.	1.8	3
28	Significance of Nanomaterials in solar energy storage applications. Materials Today: Proceedings, 2021, 38, 2633-2638.	1.8	3
29	Energy-Drinking Water-Health Nexus in Developing Countries. Advanced Sciences and Technologies for Security Applications, 2021, , 411-445.	0.5	3
30	Energy Resource Allocation in Energy Planning. , 2011, , 801-846.		2
31	Study on thermal storage properties of microencapsulated organic ester as phase change material for cooling application. International Journal of Environmental Analytical Chemistry, 2019, , 1-10.	3.3	2
32	Life-cycle-assessment based design of a standalone photovoltaic system: a case study using a theoretical and numerical approach. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	1.6	2
33	Evaluation and Mapping of Wind Energy Potential over Southern Part of India using ANN and GIS Approach. , 2018, , .		1
34	Effects of using alcohols on the performance and emissions of a diesel engine. Journal of Physics: Conference Series, 2019, 1276, 012061.	0.4	1
35	Energy security challenges of developing countries. , 2022, , 127-169.		1
36	Development of machine learning based predictive algorithm for thruster orifice diameter in rocket engine. Materials Today: Proceedings, 2020, 28, 693-697.	1.8	0

#	Article	IF	Citations
37	Field Performance Monitoring of Roof-Mounted SPV Systems: Application of Internet-Enabled Technologies. Smart Innovation, Systems and Technologies, 2021, , 559-569.	0.6	0
38	Positioning of Wind Turbine in a Wind Farm for Optimum Generation of Power Using Genetic Algorithm for Multiple Direction. Smart Innovation, Systems and Technologies, 2021, , 769-778.	0.6	0
39	En Route for the Accomplishment of SDG-7 in South Asian Countries: A Retrospective Study. Strategic Planning for Energy and the Environment, 0, , .	0.8	0