Om Prakash

List of Publications by Year
in descending order

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32 papers	1,138 citations	430874 18 h-index	477307 29 g-index
32 all docs	32 docs citations	32 times ranked	695 citing authors

#	Article	IF	Citations
1	Solar stills system design: A review. Renewable and Sustainable Energy Reviews, 2015, 51, 153-181.	16.4	156
2	Solar greenhouse drying: A review. Renewable and Sustainable Energy Reviews, 2014, 29, 905-910.	16.4	138
3	Historical Review and Recent Trends in Solar Drying Systems. International Journal of Green Energy, 2013, 10, 690-738.	3.8	131
4	Performance of modified greenhouse dryer with thermal energy storage. Energy Reports, 2016, 2, 155-162.	5.1	81
5	Environomical Analysis and Mathematical Modelling for Tomato Flakes Drying in a Modified Greenhouse Dryer under Active Mode. International Journal of Food Engineering, 2014, 10, 669-681.	1.5	75
6	Review on various modelling techniques for the solar dryers. Renewable and Sustainable Energy Reviews, 2016, 62, 396-417.	16.4	74
7	Evaluation of convective mass transfer coefficient during drying of jaggery. Journal of Food Engineering, 2004, 63, 219-227.	5.2	63
8	A review on progress of concentrated solar power in India. Renewable and Sustainable Energy Reviews, 2017, 79, 304-307.	16.4	60
9	ANFIS modelling of a natural convection greenhouse drying system for jaggery: an experimental validation. International Journal of Sustainable Energy, 2014, 33, 316-335.	2.4	50
10	A comprehensive review of Scheffler solar collector. Renewable and Sustainable Energy Reviews, 2017, 77, 890-898.	16.4	38
11	Annual Performance of a Modified Greenhouse Dryer Under Passive Mode In No-Load Conditions. International Journal of Green Energy, 2015, 12, 1091-1099.	3.8	32
12	Performance Evaluation of a Solar Greenhouse Dryer at Different Bed Conditions Under Passive Mode. Journal of Solar Energy Engineering, Transactions of the ASME, 2020, 142, .	1.8	31
13	Application of artificial neural network for the prediction of jaggery mass during drying inside the natural convection greenhouse dryer. International Journal of Ambient Energy, 2014, 35, 186-192.	2.5	30
14	Performance evaluation of greenhouse dryer with opaque north wall. Heat and Mass Transfer, 2014, 50, 493-500.	2.1	28
15	Review on Indian Solar Drying Status. Current Sustainable/Renewable Energy Reports, 2016, 3, 113-120.	2.6	23
16	Thermal analysis of north wall insulated greenhouse dryer at different bed conditions operating under natural convection mode. Environmental Progress and Sustainable Energy, 2019, 38, e13257.	2.3	20
17	DESIGN, DEVELOPMENT, AND TESTING OF A MODIFIED GREENHOUSE DRYER UNDER CONDITIONS OF NATURAL CONVECTION. Heat Transfer Research, 2014, 45, 433-451.	1.6	19
18	Thermal performance evaluation of modified active greenhouse dryer. Journal of Building Physics, 2014, 37, 395-402.	2.4	18

#	Article	IF	Citations
19	Drying kinetics and economic analysis of bitter gourd flakes drying inside hybrid greenhouse dryer. Environmental Science and Pollution Research, 2023, 30, 72026-72040.	5.3	15
20	CFD Investigations of Cyclone Separators with Different Cone Heights and Shapes. Applied Sciences (Switzerland), 2022, 12, 4904.	2.5	12
21	Development of mathematical model for drying of crops under passive greenhouse solar dryer. Materials Today: Proceedings, 2021, 47, 6227-6230.	1.8	10
22	A review on technology and promotional initiatives for concentrated solar power in world. International Journal of Ambient Energy, 2018, 39, 297-316.	2.5	8
23	Wind energy potential, development and current trends in India: a review. International Journal of Ambient Energy, 2018, 39, 521-532.	2.5	7
24	Desalination and Solar Still: Boon to Earth. Green Energy and Technology, 2019, , 1-24.	0.6	4
25	Impact of Exhaust Gas Recirculation (EGR) on the Emission of the Dual-Fuel Diesel Engine with Hydrogen as a Secondary Fuel. Journal of the Institution of Engineers (India): Series C, 2021, 102, 1489-1502.	1.2	4
26	Economic Analysis of Various Developed Solar Dryers. Green Energy and Technology, 2017, , 495-513.	0.6	3
27	Energy Analysis of the Direct and Indirect Solar Drying System. Green Energy and Technology, 2017, , 529-542.	0.6	3
28	Advancement in Greenhouse Drying System. Green Energy and Technology, 2017, , 177-196.	0.6	3
29	Applications of Soft Computing in Solar Drying Systems. Green Energy and Technology, 2017, , 419-438.	0.6	2
30	Application of Software in Predicting Thermal Behaviours of Solar Stills. Green Energy and Technology, 2019, , 105-148.	0.6	0
31	Energy audit of a small commercial hospital building in Ranchi: A case study. International Journal of Energy Technology, 2020, , 1-11.	0.3	0
32	Thermodynamic analysis of sensible heat storage based double pass hybrid solar air heater with and without reflector. Sadhana - Academy Proceedings in Engineering Sciences, 2022, 47, 1.	1.3	0