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	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
2	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
3	CFD Investigations of Cyclone Separators with Different Cone Heights and Shapes. Applied Sciences (Switzerland), 2022, 12, 4904.	2.5	12
4	Development of mathematical model for drying of crops under passive greenhouse solar dryer. Materials Today: Proceedings, 2021, 47, 6227-6230.	1.8	10
5	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
6	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
7	Energy audit of a small commercial hospital building in Ranchi: A case study. International Journal of Energy Technology, 2020, , 1-11.	0.3	0
8	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
9	Desalination and Solar Still: Boon to Earth. Green Energy and Technology, 2019, , 1-24.	0.6	4
10	Application of Software in Predicting Thermal Behaviours of Solar Stills. Green Energy and Technology, 2019, , 105-148.	0.6	0
11	Wind energy potential, development and current trends in India: a review. International Journal of Ambient Energy, 2018, 39, 521-532.	2.5	7
12	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
13	A comprehensive review of Scheffler solar collector. Renewable and Sustainable Energy Reviews, 2017, 77, 890-898.	16.4	38
14	A review on progress of concentrated solar power in India. Renewable and Sustainable Energy Reviews, 2017, 79, 304-307.	16.4	60
15	Economic Analysis of Various Developed Solar Dryers. Green Energy and Technology, 2017, , 495-513.	0.6	3
16	Energy Analysis of the Direct and Indirect Solar Drying System. Green Energy and Technology, 2017, , 529-542.	0.6	3
17	Applications of Soft Computing in Solar Drying Systems. Green Energy and Technology, 2017, , 419-438.	0.6	2
18	Advancement in Greenhouse Drying System. Green Energy and Technology, 2017, , 177-196.	0.6	3

#	Article	IF	Citations
19	Review on various modelling techniques for the solar dryers. Renewable and Sustainable Energy Reviews, 2016, 62, 396-417.	16.4	74
20	Performance of modified greenhouse dryer with thermal energy storage. Energy Reports, 2016, 2, 155-162.	5.1	81
21	Review on Indian Solar Drying Status. Current Sustainable/Renewable Energy Reports, 2016, 3, 113-120.	2.6	23
22	Solar stills system design: A review. Renewable and Sustainable Energy Reviews, 2015, 51, 153-181.	16.4	156
23	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
24	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
25	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
26	Thermal performance evaluation of modified active greenhouse dryer. Journal of Building Physics, 2014, 37, 395-402.	2.4	18
27	Solar greenhouse drying: A review. Renewable and Sustainable Energy Reviews, 2014, 29, 905-910.	16.4	138
28	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
29	Performance evaluation of greenhouse dryer with opaque north wall. Heat and Mass Transfer, 2014, 50, 493-500.	2.1	28
30	DESIGN, DEVELOPMENT, AND TESTING OF A MODIFIED GREENHOUSE DRYER UNDER CONDITIONS OF NATURAL CONVECTION. Heat Transfer Research, 2014, 45, 433-451.	1.6	19
31	Historical Review and Recent Trends in Solar Drying Systems. International Journal of Green Energy, 2013, 10, 690-738.	3.8	131
32	Evaluation of convective mass transfer coefficient during drying of jaggery. Journal of Food Engineering, 2004, 63, 219-227.	5.2	63