

Sumit Tiwari

List of Publications by Year in descending order

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31
papers

930
citations

516561

16
h-index

610775

24
g-index

31
all docs

31
docs citations

31
times ranked

629
citing authors

#	ARTICLE	IF	CITATIONS
1	Exergoeconomic analysis of photovoltaic-thermal (PVT) mixed mode greenhouse solar dryer. Energy, 2016, 114, 155-164.	4.5	118
2	Performance analysis of photovoltaic-thermal (PVT) mixed mode greenhouse solar dryer. Solar Energy, 2016, 133, 421-428.	2.9	111
3	PVT air collector integrated greenhouse dryers. Renewable and Sustainable Energy Reviews, 2018, 90, 142-159.	8.2	97
4	Energy and exergy analysis of a mixed-mode greenhouse-type solar dryer, integrated with partially covered N-PVT air collector. Energy, 2017, 128, 183-195.	4.5	89
5	Optimization of diesel engine performance and emission parameters employing cassia tora methyl esters-response surface methodology approach. Energy, 2019, 168, 909-918.	4.5	74
6	Thermal analysis of photovoltaic-thermal (PVT) single slope roof integrated greenhouse solar dryer. Solar Energy, 2016, 138, 128-136.	2.9	66
7	Environ economic analysis of various types of photovoltaic technologies integrated with greenhouse solar drying system. Journal of Cleaner Production, 2017, 156, 30-40.	4.6	56
8	Development and recent trends in greenhouse dryer: A review. Renewable and Sustainable Energy Reviews, 2016, 65, 1048-1064.	8.2	50
9	Thermal modelling of photovoltaic thermal (PVT) integrated greenhouse system for biogas heating. Solar Energy, 2016, 136, 639-649.	2.9	46
10	Design optimization of solar PV water pumping system. Materials Today: Proceedings, 2020, 21, 1673-1679.	0.9	35
11	Enviro-economical feasibility of groundnut drying under greenhouse and indoor forced convection hot air dryers. Journal of Stored Products Research, 2021, 93, 101848.	1.2	21
12	Grapes (Vitis vinifera) drying by semitransparent photovoltaic module (SPVM) integrated solar dryer: an experimental study. Heat and Mass Transfer, 2018, 54, 1637-1651.	1.2	20
13	Ultrasound-assisted regeneration of zeolite/water adsorption pair. Ultrasonics Sonochemistry, 2020, 64, 105042.	3.8	20
14	ANN and mathematical modelling for moisture evaporation with thermal modelling of bitter gourd flakes drying in SPVT solar dryer. Heat and Mass Transfer, 2020, 56, 2831-2845.	1.2	19
15	Thermal analysis of photovoltaic thermal integrated greenhouse system (PVTIGS) for heating of slurry in potable biogas plant: An experimental study. Solar Energy, 2017, 155, 203-211.	2.9	18
16	Environmental and economic sustainability of <sc>PVT</sc> drying system: A heat transfer approach. Environmental Progress and Sustainable Energy, 2021, 40, e13535.	1.3	17
17	Thermal performance and kinetic analysis of vermicelli drying inside a greenhouse for sustainable development. Sustainable Energy Technologies and Assessments, 2021, 44, 101082.	1.7	13
18	Importance of phase change material (PCM) in solar thermal applications: A review. , 2016, , .		12

#	ARTICLE	IF	CITATIONS
19	Energy analysis of partially covered number (N) of photovoltaic thermal-compound parabolic concentrator collectors connected in series at constant collection temperature mode. , 2016, , .		10
20	Review on performance assessment of solar stills using computational fluid dynamics (CFD). Environmental Science and Pollution Research, 2022, 29, 38673-38714.	2.7	8
21	Unit cost analysis for Sodha Bers Complex (SBC): An energy efficient building. Thermal Science and Engineering Progress, 2017, 4, 58-70.	1.3	7
22	Performance evaluation of different types PV materials for PVTAC with solar drying system. Materials Today: Proceedings, 2020, 25, 544-550.	0.9	5
23	Performance Analysis of PCM-Integrated Greenhouse Dryer. Lecture Notes in Mechanical Engineering, 2022, , 37-44.	0.3	4
24	Effect of water flow on PV module: A case study. , 2015, , .		3
25	Effect of packing factor of photovoltaic module on performance of photovoltaic-thermal (PVT) greenhouse solar dryer. , 2016, , .		3
26	Study to improve the efficiency of c-Si material in photovoltaic power plant. Materials Today: Proceedings, 2020, 25, 691-694.	0.9	2
27	Environmental Feasibility of PVT Drying System. , 2020, , .		2
28	Performance enhancement of the photovoltaic system with different cooling methods. Environmental Science and Pollution Research, 2022, , .	2.7	2
29	Energy performance of partially covered N photovoltaic thermal-compound parabolic concentrator (PVT-CPC) collector for cold climate condition. , 2016, , .		1
30	Environmental Feasibility of Solar Hybrid Systems. Energy Systems in Electrical Engineering, 2021, , 367-396.	0.5	1
31	Energy analysis of photovoltaic-thermal (PVT) greenhouse under forced mode without load condition. , 2016, , .		0