

Rohit Tripathi

List of Publications by Year in descending order

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Version: 2024-02-01

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papers

550
citations

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docs citations

33
times ranked

415
citing authors

#	ARTICLE	IF	CITATIONS
1	Overall energy, exergy and carbon credit analysis of N partially covered Photovoltaic Thermal (PVT) concentrating collector connected in series. Solar Energy, 2016, 136, 260-267.	6.1	113
2	Thermal modelling of N partially covered photovoltaic thermal (PVT) “Compound parabolic concentrator (CPC) collectors connected in series. Solar Energy, 2016, 123, 174-184.	6.1	73
3	Annual performance evaluation (energy and exergy) of fully covered concentrated photovoltaic thermal (PVT) water collector: An experimental validation. Solar Energy, 2017, 146, 180-190.	6.1	51
4	Electrical and thermal energy assessment of series connected N partially covered photovoltaic thermal (PVT)-compound parabolic concentrator (CPC) collector for different solar cell materials. Applied Thermal Engineering, 2018, 128, 1611-1623.	6.0	44
5	Energetic and exergetic analysis of N partially covered photovoltaic thermal-compound parabolic concentrator (PVT-CPC) collectors connected in series. Solar Energy, 2016, 137, 441-451.	6.1	38
6	Development of multifunctional linen fabric using chitosan film as a template for immobilization of in-situ generated CeO ₂ nanoparticles. International Journal of Biological Macromolecules, 2019, 121, 1154-1159.	7.5	37
7	Energy matrices evaluation and exergoeconomic analysis of series connected N partially covered (glass to glass PV module) concentrated-photovoltaic thermal collector: At constant flow rate mode. Energy Conversion and Management, 2017, 145, 353-370.	9.2	33
8	Energy matrices, life cycle cost, carbon mitigation and credits of open-loop N concentrated photovoltaic thermal (CPVT) collector at cold climate in India: A comparative study. Solar Energy, 2019, 186, 347-359.	6.1	33
9	Elucidation of differential mineralisation on native and regenerated silk matrices. Materials Science and Engineering C, 2016, 68, 663-674.	7.3	31
10	2-E (Energy-Exergy) for partially covered concentrated photovoltaic thermal (PVT) collector. Energy Procedia, 2017, 142, 616-623.	1.8	24
11	Overall energy and exergy performance of partially covered N-photovoltaic thermal (PVT)-compound parabolic concentrator (CPC) collectors connected in series. , 2016, , .		12
12	Energy analysis of partially covered number (N) of photovoltaic thermal-compound parabolic concentrator collectors connected in series at constant collection temperature mode. , 2016, , .		10
13	Selection of Smart Manure Composition for Smart Farming Using Artificial Intelligence Technique. Journal of Food Quality, 2022, 2022, 1-7.	2.6	10
14	Annual Energy, Exergy, and Environmental Benefits of N Half Covered Concentrated Photovoltaic Thermal (CPVT) Air Collectors. Lecture Notes in Electrical Engineering, 2018, , 113-124.	0.4	8
15	Effect of packing factor on electrical and overall energy generation through low concentrated photovoltaic thermal collector in composite climate condition. Materials Today: Proceedings, 2020, 31, 449-453.	1.8	8
16	Experimental Study on PV Degradation Loss Assessment of Stand-Alone Photovoltaic (SAPV) Array in Field: A New Simplified Comparative Analytical Approach. Green Energy and Technology, 2020, , 685-706.	0.6	5
17	Effect of packing factor of photovoltaic module on performance of photovoltaic-thermal (PVT) greenhouse solar dryer. , 2016, , .		3
18	Design of Eyewriter for ALS Patients throughEyecan. , 2018, , .		3

#	ARTICLE	IF	CITATIONS
19	A Novel Approach Based Multi Biometric Finger Vein Template Recognition System using HGF. Open Computer Science, 2021, 11, 337-345.	1.7	2
20	Comparison of electrical energy and power of PV with different cells materials in clear sky day condition. Materials Today: Proceedings, 2021, , .	1.8	2
21	Overall Performance of N Partially Covered Photovoltaic Thermal-Compound Parabolic Concentrator (PVT-CPC) Collector with Different Concentration Ratio. Springer Proceedings in Energy, 2020, , 113-122.	0.3	2
22	Light Weighted CNN Model to Detect DDoS Attack over Distributed Scenario. Security and Communication Networks, 2022, 2022, 1-10.	1.5	2
23	Energy performance of partially covered N photovoltaic thermal-compound parabolic concentrator (PVT-CPC) collector for cold climate condition. , 2016, , .		1
24	Impact of Number of Collector on Energy Profile from Concentrated Fully Covered Hybrid Photovoltaic (CHPV) System. , 2020, , .		1
25	Improved Analytical Model for Electrical Efficiency of Semitransparent Photovoltaic (PV) Module. Springer Proceedings in Energy, 2020, , 89-99.	0.3	1
26	Energy analysis of photovoltaic-thermal (PVT) greenhouse under forced mode without load condition. , 2016, , .		0
27	Experimental Validation for Electrical, Thermal and Overall Energy Generation from Open Low Concentration Ratio-Based Photovoltaic Hybrid Collector. Smart Innovation, Systems and Technologies, 2020, , 623-633.	0.6	0
28	Synchronization, Fault Detection of PV Array and Grid with MPPT Techniques Using MATLAB/Simulink. Lecture Notes in Electrical Engineering, 2021, , 271-282.	0.4	0
29	Evaluation of Annual Electrical Energy Through Semitransparent (Glass to Glass) and Opaque Photovoltaic Module in Clear Sky Condition at Composite Climate: A Comparative Study. Springer Proceedings in Energy, 2021, , 1533-1542.	0.3	0
30	Dust effect on energy profile production from hybrid photovoltaic (H-PV) collector. , 2021, , .		0