

Dhananjay R Mishra

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

650
citations

567247

15
h-index

610883

24
g-index

34
all docs

34
docs citations

34
times ranked

304
citing authors

#	ARTICLE	IF	CITATIONS
1	Modelling conventional and solar earth still by using the LM algorithm-based artificial neural network. International Journal of Ambient Energy, 2022, 43, 1389-1396.	2.5	20
2	An estimation of the distillate output from a CSS based on multivariable regression analysis. International Journal of Ambient Energy, 2022, 43, 2417-2422.	2.5	6
3	Energy, exergy and techno-economic analysis of novel solar stills for sea coastal area. International Journal of Ambient Energy, 2022, 43, 5207-5217.	2.5	5
4	Experimental evaluation of double slope solar still augmented with ferrite ring magnets and a black cotton cloth. International Journal of Ambient Energy, 2022, 43, 1751-1762.	2.5	3
5	Influence of salt concentration on the performance characteristics of passive solar still. International Journal of Ambient Energy, 2021, 42, 1463-1473.	2.5	20
6	Experimental analysis of double slope solar still augmented with dye, pebbles and metal chips. Environmental Science and Pollution Research, 2021, 28, 22077-22090.	5.3	18
7	Performance evaluation of single slope solar still augmented with the ultrasonic fogger. Energy, 2020, 190, 116398.	8.8	60
8	Experimental and theoretical evaluation of a conventional solar still augmented with jute covered plastic balls. Journal of Energy Storage, 2020, 32, 101874.	8.1	22
9	Parametric Investigation in Pulsed Nd:YAG Laser Cutting of Kevlar-Basalt Fiber Composite. Lasers in Manufacturing and Materials Processing, 2020, 7, 373-398.	2.2	3
10	Experimental investigation and thermal analysis of a double slope long still: study of heat and mass transfer. International Journal of Ambient Energy, 2020, , 1-9.	2.5	3
11	Optimization of multiple kerf quality characteristics for cutting operation on carbonâ€basaltâ€Kevlar hybrid composite material using pulsed Nd:YAG laser using GRA. CIRP Journal of Manufacturing Science and Technology, 2020, 30, 174-183.	4.5	22
12	Experimental and theoretical evaluation of thermophysical properties for moist air within solar still by using different algorithms of artificial neural network. Journal of Energy Storage, 2020, 30, 101408.	8.1	25
13	Energy, exergy, and economic analysis of single slope conventional solar still augmented with an ultrasonic fogger and a cotton cloth. Journal of Energy Storage, 2020, 30, 101541.	8.1	46
14	Comparative experimental evaluation of conventional solar still (CSS) and CSS augmented with wax filled metallic finned-cups. FME Transactions, 2020, 48, 482-495.	1.4	10
15	Optimization of Kerf deviations in pulsed Nd:YAG laser cutting of Hybrid composite laminate using GRA. FME Transactions, 2020, 48, 109-116.	1.4	8
16	Performance evaluation of single slope solar still augmented with sand-filled cotton bags. Journal of Energy Storage, 2019, 25, 100888.	8.1	88
17	Firefly algorithm based optimization of kerf quality characteristics in pulsed Nd:YAG laser cutting of basalt fiber reinforced composite. Composites Part B: Engineering, 2019, 176, 107340.	12.0	40
18	Experimental evaluation of a long still with galvanised iron sheet as condensing cover at different basin water flow rate: study of heat and mass transfer. International Journal of Ambient Energy, 2019, , 1-8.	2.5	2

#	ARTICLE	IF	CITATIONS
19	Dimensional accuracy improvement by parametric optimization in pulsed Nd:YAG laser cutting of Kevlar-29/basalt fiber-reinforced hybrid composites. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2019, 41, 1.	1.6	17
20	Comparative analysis and experimental evaluation of single slope solar still augmented with permanent magnets and conventional solar still. Desalination, 2019, 459, 34-45.	8.2	59
21	Experimental and theoretical evaluation of double slope single basin solar stills: Study of heat and mass transfer. FME Transactions, 2019, 47, 101-110.	1.4	7
22	Evaluation of geometrical quality characteristics in pulsed Nd:YAG laser cutting of Kevlar-29/Basalt fiber reinforced hybrid composite using Grey relational analysis based on genetic algorithm. FME Transactions, 2019, 47, 560-575.	1.4	14
23	Energy and exergy analysis of conventional and modified solar still integrated with sand bed earth: Study of heat and mass transfer. Desalination, 2018, 437, 15-25.	8.2	43
24	Performance evaluation of long still for the utilization of industrial hot waste water. Journal of Energy Storage, 2018, 20, 485-491.	8.1	7
25	Experimental investigation of modified single slope solar still integrated with earth (I) & (II): Energy and exergy analysis. Energy, 2018, 160, 1144-1157.	8.8	28
26	Mathematical modeling and evaluation of new long single slope still for utilization of hot wastewater. Applied Thermal Engineering, 2016, 108, 353-357.	6.0	17
27	Electrical Discharge Machining of AISI 329 Stainless Steel Using Copper and Brass Rotary Tubular Electrode. , 2014, 5, 1771-1780.		31
28	Shape factor for bermed wall. Heat and Mass Transfer, 2011, 47, 1143-1146.	2.1	1
29	Experimental and theoretical evaluation of a hybrid solar still integrated with an air compressor using ANN. , 0, 88, 52-59.		15
30	Impact of Sand Filled Glass Bottles on Performance of Conventional Solar Still. Journal of Basic & Applied Sciences, 0, 18, 8-15.	0.0	1
31	Experimental Evaluation and Development of Artificial Neural Network Model for the Solar Stills Augmented with the Permanent Magnet and Sandbag. Journal of Advanced Thermal Science Research, 0, 9, 9-23.	0.4	6