

Desh Singh

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,056
citations

471061

17
h-index

414034

32
g-index

39
all docs

39
docs citations

39
times ranked

491
citing authors

#	ARTICLE	IF	CITATIONS
1	Experimental study of solar energyâ€based water purifier of single-slope type by incorporating a number of similar evacuated tubular collectors. Environmental Science and Pollution Research, 2022, 29, 6837-6856.	2.7	10
2	Review on performance assessment of solar stills using computational fluid dynamics (CFD). Environmental Science and Pollution Research, 2022, 29, 38673-38714.	2.7	8
3	An investigation on effect of variation of mass flow rate and number of collectors on yearly efficiency of single slope solar still by incorporating N similar photovoltaic thermal flat plate collectors. Water Science and Technology: Water Supply, 2022, 22, 5126-5148.	1.0	4
4	An investigation on dissimilarity of mass flow rate and N on exergo-enviro-economic parameters for solar still of single slope type integrated with N similar PVT flat plate collectors having series connection. Environmental Science and Pollution Research, 2022, 29, 65842-65859.	2.7	4
5	A mini review on single slope solar desalination unit augmented with different types of collectors. Materials Today: Proceedings, 2021, 38, 204-210.	0.9	1
6	Comparative investigation of double slope solar still by incorporating different types of collectors: A mini review. Materials Today: Proceedings, 2021, 38, 300-304.	0.9	6
7	Solar still performance investigation by incorporating the shape of basin liner: A short review. Materials Today: Proceedings, 2021, 43, 597-604.	0.9	5
8	Production of electric power from solar ponds using thermoelectric generator: A review. Materials Today: Proceedings, 2021, 43, 608-613.	0.9	2
9	A mini review on solar energy based pumping system for irrigation. Materials Today: Proceedings, 2021, 43, 417-425.	0.9	18
10	A brief review on solar flat plate collector by incorporating the effect of nanofluid. Materials Today: Proceedings, 2020, 21, 1653-1658.	0.9	23
11	Water purification using solar still with/without nano-fluid: A review. Materials Today: Proceedings, 2020, 21, 1700-1706.	0.9	31
12	Effects of blends of castor oil with pure diesel on performance parameters of direct injection compression ignition engine. Materials Today: Proceedings, 2020, 21, 1462-1466.	0.9	5
13	Effect of mass flow rate on energy payback time of single slope solar desalination unit coupled with N identical compound parabolic concentrator collectors. Materials Today: Proceedings, 2020, 28, 2551-2556.	0.9	3
14	Effect of number of collectors (N) on life cycle conversion efficiency of single slope solar desalination unit coupled with N identical partly covered compound parabolic concentrator collectors. Materials Today: Proceedings, 2020, 28, 2185-2189.	0.9	2
15	Exergoeconomic and enviroeconomic analyses of single slope solar desalination unit loaded with/without nanofluid: A comprehensive review. IOP Conference Series: Materials Science and Engineering, 2020, 748, 012031.	0.3	0
16	Effect of flow of fluid mass per unit time on life cycle conversion efficiency of single slope solar desalination unit coupled with N identical evacuated tubular collectors. Materials Today: Proceedings, 2020, 28, 2096-2100.	0.9	5
17	Effect of number of collectors (N) on the environment due to single slope solar desalination unit coupled with N identical evacuated tubular collectors. Materials Today: Proceedings, 2020, 28, 2161-2165.	0.9	4
18	Comparative Study of Basin Type Double Slope Active Solar Stills Based on Energy Metrics. Lecture Notes in Mechanical Engineering, 2020, , 643-653.	0.3	1

#	ARTICLE	IF	CITATIONS
19	Exergoeconomic analysis of single slope solar desalination unit coupled with PVT-CPCs by incorporating the effect of dissimilarity of the rate of flowing fluid mass. <i>Materials Today: Proceedings</i> , 2020, 28, 2364-2368.	0.9	5
20	Solar Distiller Unit Loaded with Nanofluid – A Short Review. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 241-247.	0.3	11
21	Performance analysis of specially designed single basin passive solar distillers incorporated with novel solar desalting stills: A review. <i>Solar Energy</i> , 2019, 185, 146-164.	2.9	55
22	Exergo-economic, enviro-economic and productivity analyses of N identical evacuated tubular collectors integrated double slope solar still. <i>Applied Thermal Engineering</i> , 2019, 148, 96-104.	3.0	21
23	Energy metrics analysis of N identical evacuated tubular collectors integrated single slope solar still. <i>Energy</i> , 2018, 148, 546-560.	4.5	23
24	Energy metrics analysis of N identical evacuated tubular collectors integrated double slope solar still. <i>Desalination</i> , 2018, 432, 10-22.	4.0	26
25	Improving the performance of single slope solar still by including N identical PVT collectors. <i>Applied Thermal Engineering</i> , 2018, 131, 167-179.	3.0	42
26	Energy matrices and efficiency analyses of solar distiller units: A review. <i>Solar Energy</i> , 2018, 173, 53-75.	2.9	41
27	Development of characteristic equations for PVT-CPC active solar distillation system. <i>Desalination</i> , 2018, 445, 266-279.	4.0	38
28	Exergoeconomic, enviroeconomic and productivity analyses of basin type solar stills by incorporating N identical PVT compound parabolic concentrator collectors: A comparative study. <i>Energy Conversion and Management</i> , 2017, 135, 129-147.	4.4	91
29	Enhancement in energy metrics of double slope solar still by incorporating N identical PVT collectors. <i>Solar Energy</i> , 2017, 143, 142-161.	2.9	37
30	Performance analysis of basin type solar stills integrated with N identical photovoltaic thermal (PVT) compound parabolic concentrator (CPC) collectors: A comparative study. <i>Solar Energy</i> , 2017, 142, 144-158.	2.9	64
31	Exergoeconomic and enviroeconomic analyses of N identical photovoltaic thermal integrated double slope solar still. <i>International Journal of Exergy</i> , 2017, 23, 347.	0.2	11
32	Energy, exergy and cost analyses of N identical evacuated tubular collectors integrated basin type solar stills: A comparative study. <i>Solar Energy</i> , 2017, 155, 829-846.	2.9	53
33	Effect of energy matrices on life cycle cost analysis of partially covered photovoltaic compound parabolic concentrator collector active solar distillation system. <i>Desalination</i> , 2016, 397, 75-91.	4.0	68
34	Effect of energy matrices on life cycle cost analysis of passive solar stills. <i>Solar Energy</i> , 2016, 134, 9-22.	2.9	64
35	Experimental studies of active solar still integrated with two hybrid PVT collectors. <i>Solar Energy</i> , 2016, 130, 207-223.	2.9	147
36	Exergoeconomic and enviroeconomic analyses of partially covered photovoltaic flat plate collector active solar distillation system. <i>Desalination</i> , 2015, 367, 186-196.	4.0	119

#	ARTICLE	IF	CITATIONS
37	Sensitivity analysis of N identical partially covered (50%) PVT compound parabolic concentrator collectors integrated double slope solar distiller unit. , 0, 153, 54-64.		6