

V Velmurugan

List of Publications by Year in descending order

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Version: 2024-02-01

23
papers

1,917
citations

567281

15
h-index

794594

19
g-index

23
all docs

23
docs citations

23
times ranked

836
citing authors

#	ARTICLE	IF	CITATIONS
1	Single basin solar still with fin for enhancing productivity. Energy Conversion and Management, 2008, 49, 2602-2608.	9.2	365
2	Desalination of effluent using fin type solar still. Energy, 2008, 33, 1719-1727.	8.8	211
3	Performance analysis of solar stills based on various factors affecting the productivityâ€”A review. Renewable and Sustainable Energy Reviews, 2011, 15, 1294-1304.	16.4	198
4	Performance analysis in stepped solar still for effluent desalination. Energy, 2009, 34, 1179-1186.	8.8	185
5	Integrated performance of stepped and single basin solar stills with mini solar pond. Desalination, 2009, 249, 902-909.	8.2	137
6	Parameters influencing the productivity of solar stills â€” A review. Renewable and Sustainable Energy Reviews, 2015, 49, 585-609.	16.4	137
7	Solar stills integrated with a mini solar pond â€” analytical simulation and experimental validation. Desalination, 2007, 216, 232-241.	8.2	135
8	Prospects and scopes of solar pond: A detailed review. Renewable and Sustainable Energy Reviews, 2008, 12, 2253-2263.	16.4	123
9	Productivity enhancement of stepped solar still: Performance analysis. Thermal Science, 2008, 12, 153-163.	1.1	102
10	Performance analysis of fin type solar still integrated with fin type mini solar pond. Sustainable Energy Technologies and Assessments, 2015, 9, 30-36.	2.7	73
11	An experimental study on the efficacy of modifications in enhancing the performance of single basin double slope solar still. Desalination, 2019, 467, 12-28.	8.2	73
12	Augmentation of saline streams in solar stills integrating with a mini solar pond. Desalination, 2009, 249, 143-149.	8.2	72
13	Experimental investigation on the performance of modified single basin double slope solar stills. International Journal of Ambient Energy, 2022, 43, 206-215.	2.5	28
14	Experimental analysis of stepped basin pyramid solar still integrated with mini solar pond. , 0, 84, 1-7.		20
15	Performance analysis of modified solar still with forced water circulation. Thermal Science, 2018, 22, 2955-2964.	1.1	20
16	An experimental investigation to optimize the production of single and stepped basin solar stills - a Taguchi approach. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2020, , 1-24.	2.3	15
17	Industrial effluent treatment: Theoretical and experimental analysis. Journal of Renewable and Sustainable Energy, 2011, 3, .	2.0	9
18	Review of research and development on pyrolysis process. Materials Today: Proceedings, 2022, 49, 3679-3686.	1.8	7

#	ARTICLE	IF	CITATIONS
19	Chemical analysis in an effluent desalination system. Desalination and Water Treatment, 2010, 16, 101-109.	1.0	3
20	Performance study of solar stills with various absorbing materials and a sensible heat storage medium. Thermal Science, 2016, 20, 947-953.	1.1	2
21	Experimental Analysis of a Solar still with Reflectors and Sensible Heat Storage Mediums. Applied Mechanics and Materials, 0, 787, 107-111.	0.2	1
22	Experimental study on a single-slope single-basin solar still with air at different velocities. , 0, 85, 1-5.		1
23	Design and development of pyrolyser for processing agricultural waste. Materials Today: Proceedings, 2021, , .	1.8	0