

Dsilva Winfred Rufuss D

List of Publications by Year in descending order

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Version: 2024-02-01

19
papers

991
citations

623574

14
h-index

839398

18
g-index

19
all docs

19
docs citations

19
times ranked

800
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of nanoparticle-enhanced phase change material (NPCM) on solar still productivity. <i>Journal of Cleaner Production</i> , 2018, 192, 9-29.	4.6	197
2	Solar stills: A comprehensive review of designs, performance and material advances. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 63, 464-496.	8.2	178
3	A review of efficient high productivity solar stills. <i>Renewable and Sustainable Energy Reviews</i> , 2019, 101, 197-220.	8.2	113
4	Nanoparticles Enhanced Phase Change Material (NPCM) as Heat Storage in Solar Still Application for Productivity Enhancement. <i>Energy Procedia</i> , 2017, 141, 45-49.	1.8	74
5	Effect of nano-coated CuO absorbers with PVA sponges in solar water desalting system. <i>Applied Thermal Engineering</i> , 2019, 148, 1416-1424.	3.0	66
6	Annual performance analysis of adding different nanofluids in stepped solar still. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 3175-3182.	2.0	63
7	Experimental investigation on the effect of MgO and TiO ₂ nanoparticles in stepped solar still. <i>International Journal of Energy Research</i> , 2019, 43, 3295-3305.	2.2	62
8	Evaluation of Sustainability Indicators in Smart Cities for India Using MCDM Approach. <i>Energy Procedia</i> , 2017, 141, 211-215.	1.8	56
9	Techno-economic analysis of solar stills using integrated fuzzy analytical hierarchy process and data envelopment analysis. <i>Solar Energy</i> , 2018, 159, 820-833.	2.9	43
10	Low mass fraction impregnation with graphene oxide (GO) enhances thermo-physical properties of paraffin for heat storage applications. <i>Thermochimica Acta</i> , 2017, 655, 226-233.	1.2	27
11	Studies on latent heat energy storage (LHES) materials for solar desalination application-focus on material properties, prioritization, selection and future research potential. <i>Solar Energy Materials and Solar Cells</i> , 2019, 189, 149-165.	3.0	27
12	Sensible desalting: Investigation of sensible thermal storage materials in solar stills. <i>Journal of Energy Storage</i> , 2020, 32, 101824.	3.9	25
13	A comprehensive review on mechanical and surface characteristics of composites reinforced with coated fibres. <i>Surfaces and Interfaces</i> , 2021, 27, 101449.	1.5	24
14	Microscopic characteristics of biodiesel “ Graphene oxide nanoparticle blends and their Utilisation in a compression ignition engine. <i>Renewable Energy</i> , 2020, 160, 830-841.	4.3	16
15	A novel water quench approach for enhancing the surface characteristics of electroless nickel phosphorous deposit. <i>Surfaces and Interfaces</i> , 2021, 23, 100975.	1.5	6
16	Numerical study of titanium oxide nanoparticle enhanced energy storage material in solar desalination. <i>Materials Today: Proceedings</i> , 2021, 43, 805-808.	0.9	5
17	Analysis of Solar Still with Nanoparticle Incorporated Phase Change Material for Solar Desalination Application. , 2016, , .		4
18	Performance optimization of preheated palm oil-diesel blends using integrated response surface methodology and analysis of variance. <i>Biocatalysis and Agricultural Biotechnology</i> , 2022, 40, 102278.	1.5	3

#	ARTICLE	IF	CITATIONS
19	Combined Effect of Heat Storage, Reflective Material, and Additional Heat Source on the Productivity of a Solar Still—Techno-Economic Approach. <i>Journal of Testing and Evaluation</i> , 2018, 46, 2692-2706.	0.4	2