

# Dsilva Winfred Rufuss D

## List of Publications by Citations

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**Version:** 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

19  
papers

633  
citations

11  
h-index

19  
g-index

19  
ext. papers

817  
ext. citations

5.9  
avg, IF

4.46  
L-index

#	Paper	IF	Citations
19	Solar stills: A comprehensive review of designs, performance and material advances. <i>Renewable and Sustainable Energy Reviews</i> , <b>2016</b> , 63, 464-496	16.2	125
18	Effects of nanoparticle-enhanced phase change material (NPCM) on solar still productivity. <i>Journal of Cleaner Production</i> , <b>2018</b> , 192, 9-29	10.3	119
17	A review of efficient high productivity solar stills. <i>Renewable and Sustainable Energy Reviews</i> , <b>2019</b> , 101, 197-220	16.2	74
16	Annual performance analysis of adding different nanofluids in stepped solar still. <i>Journal of Thermal Analysis and Calorimetry</i> , <b>2019</b> , 138, 3175-3182	4.1	46
15	Experimental investigation on the effect of MgO and TiO <sub>2</sub> nanoparticles in stepped solar still. <i>International Journal of Energy Research</i> , <b>2019</b> , 43, 3295-3305	4.5	46
14	Nanoparticles Enhanced Phase Change Material (NPCM) as Heat Storage in Solar Still Application for Productivity Enhancement. <i>Energy Procedia</i> , <b>2017</b> , 141, 45-49	2.3	43
13	Effect of nano-coated CuO absorbers with PVA sponges in solar water desalting system. <i>Applied Thermal Engineering</i> , <b>2019</b> , 148, 1416-1424	5.8	41
12	Evaluation of Sustainability Indicators in Smart Cities for India Using MCDM Approach. <i>Energy Procedia</i> , <b>2017</b> , 141, 211-215	2.3	32
11	Techno-economic analysis of solar stills using integrated fuzzy analytical hierarchy process and data envelopment analysis. <i>Solar Energy</i> , <b>2018</b> , 159, 820-833	6.8	32
10	Low mass fraction impregnation with graphene oxide (GO) enhances thermo-physical properties of paraffin for heat storage applications. <i>Thermochimica Acta</i> , <b>2017</b> , 655, 226-233	2.9	22
9	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> , <b>2019</b> , 189, 149-165	6.4	19
8	Sensible desalting: Investigation of sensible thermal storage materials in solar stills. <i>Journal of Energy Storage</i> , <b>2020</b> , 32, 101824	7.8	10
7	A comprehensive review on mechanical and surface characteristics of composites reinforced with coated fibres. <i>Surfaces and Interfaces</i> , <b>2021</b> , 27, 101449	4.1	7
6	Microscopic characteristics of biodiesel G Graphene oxide nanoparticle blends and their Utilisation in a compression ignition engine. <i>Renewable Energy</i> , <b>2020</b> , 160, 830-841	8.1	5
5	Analysis of Solar Still with Nanoparticle Incorporated Phase Change Material for Solar Desalination Application <b>2016</b> ,		4
4	A novel water quench approach for enhancing the surface characteristics of electroless nickel phosphorous deposit. <i>Surfaces and Interfaces</i> , <b>2021</b> , 23, 100975	4.1	3
3	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> , <b>2018</b> , 46, 20170013	1	2

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| 2 | Numerical study of titanium oxide nanoparticle enhanced energy storage material in solar desalination. <i>Materials Today: Proceedings</i> , <b>2021</b> , 43, 805-808   | 1.4 | 2 |
| 1 | Performance optimization of preheated palm oil-diesel blends using integrated response surface methodology and analysis of variance. <i>Biocatalysis and Agricultural Biotechnology</i> , <b>2022</b> , 40, 102278 | 4.2 | 1 |