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List of Publications by Year in Descending Order

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	Performance optimization of preheated palm oil-diesel blends using integrated response surface methodology and analysis of variance. *Biocatalysis and Agricultural Biotechnology*, **2022**, 40, 102278	4.2	1
18	A novel water quench approach for enhancing the surface characteristics of electroless nickel phosphorous deposit. *Surfaces and Interfaces*, **2021**, 23, 100975	4.1	3
17	Numerical study of titanium oxide nanoparticle enhanced energy storage material in solar desalination. *Materials Today: Proceedings*, **2021**, 43, 805-808	1.4	2
16	A comprehensive review on mechanical and surface characteristics of composites reinforced with coated fibres. *Surfaces and Interfaces*, **2021**, 27, 101449	4.1	7
15	Sensible desalting: Investigation of sensible thermal storage materials in solar stills. *Journal of Energy Storage*, **2020**, 32, 101824	7.8	10
14	Microscopic characteristics of biodiesel Graphene oxide nanoparticle blends and their Utilisation in a compression ignition engine. *Renewable Energy*, **2020**, 160, 830-841	8.1	5
13	Annual performance analysis of adding different nanofluids in stepped solar still. *Journal of Thermal Analysis and Calorimetry*, **2019**, 138, 3175-3182	4.1	46
12	Experimental investigation on the effect of MgO and TiO2 nanoparticles in stepped solar still. *International Journal of Energy Research*, **2019**, 43, 3295-3305	4.5	46
11	A review of efficient high productivity solar stills. *Renewable and Sustainable Energy Reviews*, **2019**, 101, 197-220	16.2	74
10	Effect of nano-coated CuO absorbers with PVA sponges in solar water desalting system. *Applied Thermal Engineering*, **2019**, 148, 1416-1424	5.8	41
9	Studies on latent heat energy storage (LHES) materials for solar desalination application-focus on material properties, prioritization, selection and future research potential. *Solar Energy Materials and Solar Cells*, **2019**, 189, 149-165	6.4	19
8	Effects of nanoparticle-enhanced phase change material (NPCM) on solar still productivity. *Journal of Cleaner Production*, **2018**, 192, 9-29	10.3	119
7	Combined Effect of Heat Storage, Reflective Material, and Additional Heat Source on the Productivity of a Solar Still Techno-Economic Approach. *Journal of Testing and Evaluation*, **2018**, 46, 20170013	1	2
6	Techno-economic analysis of solar stills using integrated fuzzy analytical hierarchy process and data envelopment analysis. *Solar Energy*, **2018**, 159, 820-833	6.8	32
5	Low mass fraction impregnation with graphene oxide (GO) enhances thermo-physical properties of paraffin for heat storage applications. *Thermochimica Acta*, **2017**, 655, 226-233	2.9	22
4	Nanoparticles Enhanced Phase Change Material (NPCM) as Heat Storage in Solar Still Application for Productivity Enhancement. *Energy Procedia*, **2017**, 141, 45-49	2.3	43
3	Evaluation of Sustainability Indicators in Smart Cities for India Using MCDM Approach. *Energy Procedia*, **2017**, 141, 211-215	2.3	32

2	Solar stills: A comprehensive review of designs, performance and material advances. *Renewable and Sustainable Energy Reviews*, **2016**, 63, 464-496	16.2	125
1	Analysis of Solar Still with Nanoparticle Incorporated Phase Change Material for Solar Desalination Application **2016**,		4