

Gurukarthik Babu Balachandran

List of Publications by Year in descending order

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papers

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271
citing authors

#	ARTICLE	IF	CITATIONS
1	Investigation on the Physicochemical and Mechanical Properties of Novel Alkali-treated <i>Phaseolus vulgaris</i> Fibers. <i>Journal of Natural Fibers</i> , 2022, 19, 770-781.	3.1	53
2	Investigation of performance enhancement of solar still incorporated with <i>Gallus gallus domesticus</i> cascara as sensible heat storage material. <i>Environmental Science and Pollution Research</i> , 2021, 28, 611-624.	5.3	47
3	Investigation on the performance enhancement of single-slope solar still using green fibre insulation derived from <i>Artocarpus heterophyllus</i> rags reinforced with <i>Azadirachta indica</i> gum. <i>Environmental Science and Pollution Research</i> , 2021, 28, 32879-32890.	5.3	10
4	A relative study on energy and exergy analysis between conventional single slope and novel stepped absorbable plate solar stills. <i>Environmental Science and Pollution Research</i> , 2021, 28, 57602-57618.	5.3	11
5	Enhancement of PV/T-integrated single slope solar desalination still productivity using water film cooling and hybrid composite insulation. <i>Environmental Science and Pollution Research</i> , 2020, 27, 32179-32190.	5.3	48
6	Improving the efficiency of single-sloped solar still using thermally conductive nano-ferric oxide. <i>Environmental Science and Pollution Research</i> , 2020, 27, 32191-32204.	5.3	65
7	Exploration of Electrical, Thermal, and Mechanical Properties of <i>Phaseolus vulgaris</i> Fiber/Unsaturated Polyester Resin Composite Filled with Nano-SiO ₂ . <i>Journal of Natural Fibers</i> , 2020, , 1-17.	3.1	16
8	Rehash of cooked oil for the palatable water production using single slope solar still. <i>Fuel</i> , 2020, 271, 117613.	6.4	36
9	Optimization Studies on Improving the Dielectric Properties of Alkali Treated Fibers from <i>Phaseolus Vulgaris</i> Reinforced Polyester Composites by Central Composite Design. <i>Journal of Natural Fibers</i> , 2019, , 1-11.	3.1	11
10	Study on characterization and physicochemical properties of new natural fiber from <i>Phaseolus vulgaris</i> . <i>Journal of Natural Fibers</i> , 2019, 16, 1035-1042.	3.1	64
11	<i>Saccharum barberi</i> grass bagasse ash-based silicone rubber composites for electrical insulator applications. <i>Iranian Polymer Journal (English Edition)</i> , 0, , 1.	2.4	6