

Gurukarthik Babu Balachandran

List of Publications by Year in descending order

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11
papers

367
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1163117

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271
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Improvising 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 |
| 2 | 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 |
| 3 | 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 |
| 4 | 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 |
| 5 | 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 |
| 6 | Rehash of cooked oil for the palatable water production using single slope solar still. <i>Fuel</i> , 2020, 271, 117613. | 6.4 | 36 |
| 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 | 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 |
| 9 | 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 |
| 10 | 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 |
| 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 |