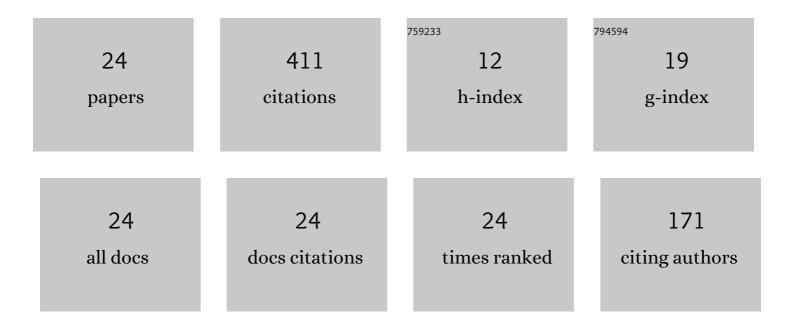
Atul A Sagade

List of Publications by Year in descending order

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ATUL A SACADE

| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 1 | Mathematical modeling and experimental validation of the thermal performance of a novel design solar cooker. Solar Energy, 2020, 207, 40-50. | 6.1 | 43 |
| 2 | Experimental determination of effective concentration ratio for solar box cookers using thermal tests. Solar Energy, 2018, 159, 984-991. | 6.1 | 37 |
| 3 | Experimental determination of the thermal performance of a solar box cooker with a modified cooking pot. Renewable Energy, 2020, 150, 1001-1009. | 8.9 | 37 |
| 4 | Enabling rating of intermediate temperature solar cookers using different working fluids as test loads and its validation through a design change. Solar Energy, 2018, 171, 354-365. | 6.1 | 35 |
| 5 | Solar cooker with tracking-type bottom reflector: An experimental thermal performance evaluation of a new design. Solar Energy, 2021, 220, 295-315. | 6.1 | 34 |
| 6 | Performance evaluation of low-cost FRP parabolic trough reflector with mild steel receiver. International Journal of Energy and Environmental Engineering, 2013, 4, 5. | 2.5 | 28 |
| 7 | Ensuring the completion of solar cooking process under unexpected reduction in solar irradiance. Solar Energy, 2019, 179, 286-297. | 6.1 | 26 |
| 8 | Recent Advancements in Technical Design and Thermal Performance Enhancement of Solar Greenhouse Dryers. Sustainability, 2021, 13, 7025. | 3.2 | 23 |
| 9 | Effect of Receiver Temperature on Performance Evaluation of Silver Coated Selective Surface Compound Parabolic Reflector with Top Glass Cover. Energy Procedia, 2014, 48, 212-222. | 1.8 | 22 |
| 10 | Performance of solar funnel cookers using intermediate temperature test load under low sun elevation. Solar Energy, 2021, 225, 978-1000. | 6.1 | 20 |
| 11 | Performance evaluation of solar cooker with tracking type bottom reflector retrofitted with a novel design of thermal storage incorporated absorber plate. Journal of Energy Storage, 2022, 51, 104432. | 8.1 | 20 |
| 12 | Enabling open sun cooling method-based estimation of effective concentration factor/ratio for concentrating type solar cookers. Solar Energy, 2021, 227, 568-576. | 6.1 | 17 |
| 13 | Concentrating solar cookers in urban areas: Establishing usefulness through realistic intermediate temperature rating and grading. Solar Energy, 2022, 241, 157-166. | 6.1 | 16 |
| 14 | Performance evaluation of parabolic dish type solar collector for industrial heating application. International Journal of Energy Technology and Policy, 2012, 8, 80. | 0.2 | 12 |
| 15 | Comparative experimental analysis of the effect of convective heat losses on the performance of parabolic dish water heater. International Journal of Sustainable Engineering, 2013, 6, 258-266. | 3.5 | 11 |
| 16 | Methane production enhancement of a family-scale biogas digester using cattle manure and corn stover under cold climates. Sustainable Energy Technologies and Assessments, 2021, 45, 101163. | 2.7 | 11 |
| 17 | Experimental investigation of effect of variation of mass flow rate on performance of parabolic dish water heater with non-coated receiver. International Journal of Sustainable Energy, 2015, 34, 645-656. | 2.4 | 8 |
| 18 | Experimental performance evaluation of a parabolic dish solar geyser using a generalized approach for decentralized applications. Sustainable Energy Technologies and Assessments, 2021, 47, 101454. | 2.7 | 5 |

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| # | Article | IF | CITATIONS |
|----|---|-----|-----------|
| 19 | Experimental investigation into different selectively coated receivers and silver-coated selective surface compound parabolic reflector using regression modelling for industrial heating. International Journal of Sustainable Engineering, 2016, 9, 189-196. | 3.5 | 2 |
| 20 | Experimental investigations on black epoxy coated aluminium receiver with FRP parabolic trough collector. , 2013, , . | | 1 |
| 21 | Experimental performance evaluation of 500W mini wind mill. , 2013, , . | | 1 |
| 22 | Investigation of Thermal Performance of FRP Parabolic Trough Collector Using Different Receivers. , 2018, , 879-889. | | 1 |
| 23 | Thermal Performance of Parabolic Dish Water Heater with Helical Coiled Receiver. , 2018, , 833-844. | | 1 |
| 24 | Experimental Investigation of Variation of Mass Flow Rate on the Performance of Parabolic Dish Collector with Nickel Chrome Coated Receiver. International Journal of Sustainable Energy Development, 2012, 1, 29-35. | 0.4 | 0 |