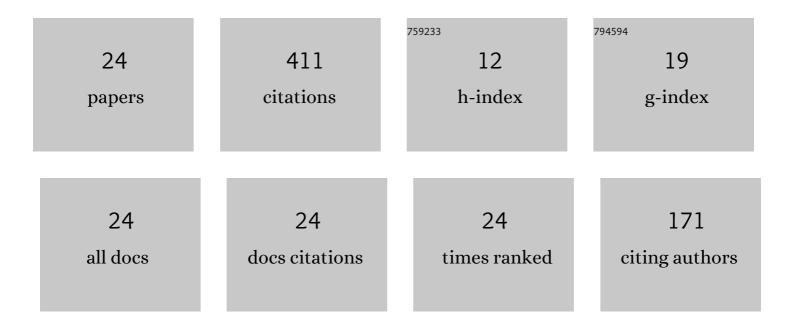
Atul A Sagade

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