

# Atul A Sagade

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

411  
citations

759233

12  
h-index

794594

19  
g-index

24  
all docs

24  
docs citations

24  
times ranked

171  
citing authors

#	ARTICLE	IF	CITATIONS
1	Mathematical modeling and experimental validation of the thermal performance of a novel design solar cooker. <i>Solar Energy</i> , 2020, 207, 40-50.	6.1	43
2	Experimental determination of effective concentration ratio for solar box cookers using thermal tests. <i>Solar Energy</i> , 2018, 159, 984-991.	6.1	37
3	Experimental determination of the thermal performance of a solar box cooker with a modified cooking pot. <i>Renewable Energy</i> , 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. <i>Solar Energy</i> , 2018, 171, 354-365.	6.1	35
5	Solar cooker with tracking-type bottom reflector: An experimental thermal performance evaluation of a new design. <i>Solar Energy</i> , 2021, 220, 295-315.	6.1	34
6	Performance evaluation of low-cost FRP parabolic trough reflector with mild steel receiver. <i>International Journal of Energy and Environmental Engineering</i> , 2013, 4, 5.	2.5	28
7	Ensuring the completion of solar cooking process under unexpected reduction in solar irradiance. <i>Solar Energy</i> , 2019, 179, 286-297.	6.1	26
8	Recent Advancements in Technical Design and Thermal Performance Enhancement of Solar Greenhouse Dryers. <i>Sustainability</i> , 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. <i>Energy Procedia</i> , 2014, 48, 212-222.	1.8	22
10	Performance of solar funnel cookers using intermediate temperature test load under low sun elevation. <i>Solar Energy</i> , 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. <i>Journal of Energy Storage</i> , 2022, 51, 104432.	8.1	20
12	Enabling open sun cooling method-based estimation of effective concentration factor/ratio for concentrating type solar cookers. <i>Solar Energy</i> , 2021, 227, 568-576.	6.1	17
13	Concentrating solar cookers in urban areas: Establishing usefulness through realistic intermediate temperature rating and grading. <i>Solar Energy</i> , 2022, 241, 157-166.	6.1	16
14	Performance evaluation of parabolic dish type solar collector for industrial heating application. <i>International Journal of Energy Technology and Policy</i> , 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. <i>International Journal of Sustainable Engineering</i> , 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. <i>Sustainable Energy Technologies and Assessments</i> , 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. <i>International Journal of Sustainable Energy</i> , 2015, 34, 645-656.	2.4	8
18	Experimental performance evaluation of a parabolic dish solar geyser using a generalized approach for decentralized applications. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 47, 101454.	2.7	5

#	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