

Shireesh B Kedare

List of Publications by Year in descending order

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Version: 2024-02-01

31
papers

1,601
citations

331259

21
h-index

476904

29
g-index

31
all docs

31
docs citations

31
times ranked

1125
citing authors

#	ARTICLE	IF	CITATIONS
1	Performance tests on helical Savonius rotors. Renewable Energy, 2009, 34, 521-529.	4.3	242
2	Investigations on heat losses from a solar cavity receiver. Solar Energy, 2009, 83, 157-170.	2.9	190
3	Experimental investigations on single stage, two stage and three stage conventional Savonius rotor. International Journal of Energy Research, 2008, 32, 877-895.	2.2	123
4	Optimum sizing of wind-battery systems incorporating resource uncertainty. Applied Energy, 2010, 87, 2712-2727.	5.1	121
5	Determination of design space and optimization of solar water heating systems. Solar Energy, 2007, 81, 958-968.	2.9	115
6	Design of solar thermal systems utilizing pressurized hot water storage for industrial applications. Solar Energy, 2008, 82, 686-699.	2.9	77
7	Analytical expression for circumferential and axial distribution of absorbed flux on a bent absorber tube of solar parabolic trough concentrator. Solar Energy, 2013, 92, 26-40.	2.9	71
8	Effects of shading and blocking in linear Fresnel reflector field. Solar Energy, 2015, 113, 114-138.	2.9	70
9	Application of design space methodology for optimum sizing of wind-battery systems. Applied Energy, 2009, 86, 2690-2703.	5.1	65
10	Deflection and stresses in absorber tube of solar parabolic trough due to circumferential and axial flux variations on absorber tube supported at multiple points. Solar Energy, 2014, 99, 134-151.	2.9	54
11	Optimization of design radiation for concentrating solar thermal power plants without storage. Solar Energy, 2014, 107, 98-112.	2.9	54
12	An analysis of beta type Stirling engine with rhombic drive mechanism. Renewable Energy, 2011, 36, 289-297.	4.3	48
13	Investigation on Convective Heat Losses from Solar Cavities under Wind Conditions. Energy Procedia, 2014, 57, 437-446.	1.8	48
14	Explicit expressions for temperature distribution and deflection in absorber tube of solar parabolic trough concentrator. Solar Energy, 2015, 114, 289-302.	2.9	47
15	Optimization of solar water heating systems through water replenishment. Energy Conversion and Management, 2009, 50, 837-846.	4.4	46
16	Experimental investigation of the bending of absorber tube of solar parabolic trough concentrator and comparison with analytical results. Solar Energy, 2016, 125, 1-11.	2.9	34
17	Experimental Investigations on the Effect of Overlap Ratio and Blade Edge Conditions on the Performance of Conventional Savonius Rotor. Wind Engineering, 2008, 32, 163-178.	1.1	33
18	Effects of shading and blocking in compact linear fresnel reflector field. Energy, 2016, 94, 633-653.	4.5	28

#	ARTICLE	IF	CITATIONS
19	Comparison of line focusing solar concentrator fields considering shading and blocking. Solar Energy, 2015, 122, 924-939.	2.9	24
20	Explicit expression for temperature distribution of receiver of parabolic trough concentrator considering bimetallic absorber tube. Applied Thermal Engineering, 2016, 103, 323-332.	3.0	23
21	Experimental investigation of single media thermocline storage with eccentrically mounted vertical porous flow distributor. Solar Energy, 2018, 162, 28-35.	2.9	22
22	Effect of Angle of Incidence of Sun Rays on the Bending of Absorber Tube of Solar Parabolic Trough Concentrator. Energy Procedia, 2014, 48, 123-129.	1.8	17
23	Appropriate household point-of-use water purifier selection template considering a rural case study in western India. Applied Water Science, 2020, 10, 1.	2.8	10
24	Influence of porosity and permeability of flow distributor on thermal stratification in single media storage tank. Journal of Energy Storage, 2021, 44, 103241.	3.9	10
25	Experimental Investigation on Heat Losses From Differentially Heated Cylindrical Cavity Receiver Used in Paraboloid Concentrator. Journal of Solar Energy Engineering, Transactions of the ASME, 2017, 139, .	1.1	8
26	Drying Kinetics, Quality and Economic Analysis of a Domestic Solar Dryer for Agricultural Products. INAE Letters, 2019, 4, 147-160.	1.0	8
27	On the Existence of Non-Convexities in the Design Space of Isolated Wind-Battery Systems. Wind Engineering, 2011, 35, 223-245.	1.1	5
28	Design and Optimization of Isolated Wind-Battery Systems Incorporating Multiple Wind Generators. Wind Engineering, 2014, 38, 311-336.	1.1	3
29	Solar Thermal Process Heat. , 2017, , 367-376.		3
30	Experimental analysis of parameters influencing thermal stratification in single media single tank storage system with flow distributor. Thermal Science and Engineering Progress, 2022, 30, 101243.	1.3	2
31	Multi-field Solar Thermal Power Plant with Linear Fresnel Reflector and Solar Power Tower. Springer Proceedings in Energy, 2021, , 1645-1655.	0.2	0