

Suresh Kumar

List of Publications by Year in descending order

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Version: 2024-02-01

27
papers

749
citations

686830

13
h-index

610482

24
g-index

30
all docs

30
docs citations

30
times ranked

758
citing authors

#	ARTICLE	IF	CITATIONS
1	Wind heat transfer coefficient in solar collectors in outdoor conditions. <i>Solar Energy</i> , 2010, 84, 956-963.	2.9	144
2	A technical review on waste heat recovery from compression ignition engines using organic Rankine cycle. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 493-509.	8.2	107
3	Solar thermal pyrolysis of non-edible seeds to biofuels and their feasibility assessment. <i>Energy Conversion and Management</i> , 2017, 153, 482-492.	4.4	88
4	An imperative role of sun trackers in photovoltaic technology: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 3263-3278.	8.2	73
5	Thermodynamic analysis of a transcritical CO ₂ /propylene (R744/R1270) cascade system for cooling and heating applications. <i>Energy Conversion and Management</i> , 2014, 86, 774-783.	4.4	62
6	A comparative assessment of single cylinder diesel engine characteristics with plasto-oils derived from municipal mixed plastic waste. <i>Energy Conversion and Management</i> , 2018, 166, 579-589.	4.4	44
7	Assessment of performance, combustion and emission characteristics of a direct injection diesel engine with solar driven Jatropha biomass pyrolysed oil. <i>Energy Conversion and Management</i> , 2017, 148, 611-622.	4.4	42
8	Thermal performance of parabolic trough collector with absorber tube misalignment and slope error. <i>Solar Energy</i> , 2019, 184, 249-259.	2.9	26
9	An investigation into sky temperature estimation, its variation, and significance in heat transfer calculations of solar cookers. <i>Heat Transfer - Asian Research</i> , 2019, 48, 1830-1856.	2.8	21
10	Thermochemical pyrolysis of biomass using solar energy for efficient biofuel production: a review. <i>Biofuels</i> , 2021, 12, 125-134.	1.4	19
11	Glass cover temperature and top heat loss coefficient of a single glazed flat plate collector with nearly vertical configuration. <i>Ain Shams Engineering Journal</i> , 2012, 3, 299-304.	3.5	15
12	Comparative tribological investigation on EN31 with pongamia and jatropha as lubricant additives. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2016, 38, 2756-2762.	1.2	14
13	Aspects of Non-edible Vegetable Oil-Based Bio-lubricants in the Automotive Sector. <i>Green</i> , 2015, 5, 59-72.	0.4	13
14	Numerical optimization of a transcritical CO ₂ /propylene cascaded refrigeration-heat pump system with economizer in HT cycle. <i>Sadhana - Academy Proceedings in Engineering Sciences</i> , 2015, 40, 437-454.	0.8	12
15	Performance evaluation and optimal configuration analysis of a transcritical carbon dioxide/propylene cascade system with vortex tube expander in high-temperature cycle. <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 105-122.	2.1	12
16	Load Flow Analysis of IEEE 14 Bus System Using ANN Technique. , 2018, , .		9
17	Parabolic trough collector with rhombus tube absorber for higher concentration ratio. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2018, 40, 2620-2631.	1.2	9
18	Thermodynamic analysis of a transcritical CO ₂ /propylene cascade system with split unit in HT cycle. <i>Journal of the Brazilian Society of Mechanical Sciences and Engineering</i> , 2015, 37, 1365-1378.	0.8	5

#	ARTICLE	IF	CITATIONS
19	Optimization of tribological behavior of Pongamia oil blends as an engine lubricant additive. Green Processing and Synthesis, 2015, 4, .	1.3	3
20	Recent developments, challenges and opportunities for harnessing solar renewable energy for thermal Enhanced Oil Recovery (EOR). Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 2021, 43, 2878-2895.	1.2	3
21	PERFORMANCE EVALUATION OF PARABOLIC TROUGH COLLECTOR WITH RECEIVER POSITION ERROR. Journal of Thermal Engineering, 2021, 7, 271-290.	0.8	3
22	Wind Induced Heat Transfer Coefficient From Flat Horizontal Surfaces Exposed to Solar Radiation. , 2007, , 1131.		2
23	Method of research for solar cookers performance characteristics- analysis and comparison. Acta Innovations, 2021, , 54-66.	0.4	1
24	Direct Steam Generation by an Enclosed Solar Parabolic Trough for Enhanced Oil Recovery. Lecture Notes in Intelligent Transportation and Infrastructure, 2020, , 189-198.	0.3	1
25	Feasibility Analysis of Photovoltaic (PV) Grid Tied System for Indian Military Station Considering Economic & Grid Cyber-Security Aspects. Lecture Notes in Intelligent Transportation and Infrastructure, 2020, , 153-162.	0.3	1
26	Glass Cover Temperature and Upward Heat Losses of a Single Glazed Collector With Nearly Vertical Configuration. , 2010, , .		0
27	Performance Optimization of Tall Buildings Subjected to Wind - An Indian Scenario. , 2013, , .		0