

# Anil Kumar

## List of Publications by Year in descending order

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218  
papers

7,024  
citations

66250

44  
h-index

93651

72  
g-index

227  
all docs

227  
docs citations

227  
times ranked

4788  
citing authors

#	ARTICLE	IF	CITATIONS
1	A review on biomass energy resources, potential, conversion and policy in India. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 45, 530-539.	8.2	372
2	Natural dyes for dye sensitized solar cell: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 69, 705-718.	8.2	307
3	Solar stills system design: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 51, 153-181.	8.2	156
4	Development of correlations for Nusselt number and friction factor for solar air heater with roughened duct having multi v-shaped with gap rib as artificial roughness. <i>Renewable Energy</i> , 2013, 58, 151-163.	4.3	155
5	Experimental investigation on heat transfer and fluid flow characteristics of air flow in a rectangular duct with Multi v-shaped rib with gap roughness on the heated plate. <i>Solar Energy</i> , 2012, 86, 1733-1749.	2.9	152
6	Exergo-environmental analysis of an indirect forced convection solar dryer for drying bitter gourd slices. <i>Renewable Energy</i> , 2020, 146, 2210-2223.	4.3	152
7	Experimental and analytical studies of earth-air heat exchanger (EAHE) systems in India: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2013, 19, 238-246.	8.2	151
8	Historical and recent development of photovoltaic thermal (PVT) technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 42, 1428-1436.	8.2	151
9	Mathematical modeling and performance analysis of thin layer drying of bitter gourd in sensible storage based indirect solar dryer. <i>Innovative Food Science and Emerging Technologies</i> , 2016, 36, 59-67.	2.7	144
10	Thermal energy storage based solar drying systems: A review. <i>Innovative Food Science and Emerging Technologies</i> , 2016, 34, 86-99.	2.7	142
11	Solar greenhouse drying: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 29, 905-910.	8.2	138
12	Historical Review and Recent Trends in Solar Drying Systems. <i>International Journal of Green Energy</i> , 2013, 10, 690-738.	2.1	131
13	Recent developments in greenhouse solar drying: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 3250-3262.	8.2	96
14	Effect of mass on convective mass transfer coefficient during open sun and greenhouse drying of onion flakes. <i>Journal of Food Engineering</i> , 2007, 79, 1337-1350.	2.7	91
15	Thermal modeling of a natural convection greenhouse drying system for jaggery: An experimental validation. <i>Solar Energy</i> , 2006, 80, 1135-1144.	2.9	84
16	Efficiency improvement of solar photovoltaic/solar air collectors by using impingement jets: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 93, 331-353.	8.2	82
17	Performance of modified greenhouse dryer with thermal energy storage. <i>Energy Reports</i> , 2016, 2, 155-162.	2.5	81
18	Heat and fluid flow characteristics of roughened solar air heater ducts – A review. <i>Renewable Energy</i> , 2012, 47, 77-94.	4.3	79

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19	A review of thermohydraulic performance of artificially roughened solar air heaters. <i>Renewable and Sustainable Energy Reviews</i> , 2014, 37, 100-122.	8.2	78
20	Thermo-environmental and drying kinetics of bitter melon flakes drying under north wall insulated greenhouse dryer. <i>Solar Energy</i> , 2018, 162, 205-216.	2.9	78
21	Review on solar Stirling engine: Development and performance. <i>Thermal Science and Engineering Progress</i> , 2018, 8, 244-256.	1.3	78
22	Wind energy status in India: A short review. <i>Renewable and Sustainable Energy Reviews</i> , 2012, 16, 1157-1164.	8.2	76
23	Environmental Analysis and Mathematical Modelling for Tomato Flakes Drying in a Modified Greenhouse Dryer under Active Mode. <i>International Journal of Food Engineering</i> , 2014, 10, 669-681.	0.7	75
24	Applications of software in solar drying systems: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 51, 1326-1337.	8.2	74
25	Review on various modelling techniques for the solar dryers. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 62, 396-417.	8.2	74
26	Calculation of total solar fraction for different orientation of greenhouse using 3D-shadow analysis in Auto-CAD. <i>Energy and Buildings</i> , 2012, 47, 27-34.	3.1	71
27	Heat transfer enhancement of heat exchanger tube with multiple square perforated twisted tape inserts: Experimental investigation and correlation development. <i>Chemical Engineering and Processing: Process Intensification</i> , 2017, 116, 76-96.	1.8	70
28	Effect of roughness width ratios in discrete multi V-rib with staggered rib roughness on overall thermal performance of solar air channel. <i>Solar Energy</i> , 2015, 119, 399-414.	2.9	67
29	Mathematical modeling and performance investigation of mixed-mode and indirect solar dryers for natural rubber sheet drying. <i>Energy for Sustainable Development</i> , 2016, 34, 44-53.	2.0	62
30	Energy metrics of earth-air heat exchanger system for hot and dry climatic conditions of India. <i>Energy and Buildings</i> , 2015, 86, 214-221.	3.1	61
31	Performance analysis of greenhouse dryer by using insulated north-wall under natural convection mode. <i>Energy Reports</i> , 2016, 2, 107-116.	2.5	61
32	Heat transfer and fluid flow characteristics in air duct with various V-pattern rib roughness on the heated plate: A comparative study. <i>Energy</i> , 2016, 103, 75-85.	4.5	61
33	A review on progress of concentrated solar power in India. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 304-307.	8.2	60
34	Computational fluid dynamic analysis of innovative design of solar-biomass hybrid dryer: An experimental validation. <i>Renewable Energy</i> , 2016, 92, 185-191.	4.3	56
35	Developing heat transfer and friction loss in an impingement jets solar air heater with multiple arc protrusion obstacles. <i>Solar Energy</i> , 2017, 158, 117-131.	2.9	56
36	A review on exergy analysis of solar parabolic collectors. <i>Solar Energy</i> , 2020, 197, 411-432.	2.9	56

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37	Convective heat transfer enhancement in solar air channels. <i>Applied Thermal Engineering</i> , 2015, 89, 239-261.	3.0	53
38	Review on biodiesel production by two-step catalytic conversion. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 18, 101023.	1.5	51
39	Analysis of Heat Transfer and Fluid Flow in Different Shaped Roughness Elements on the Absorber Plate Solar Air Heater Duct. <i>Energy Procedia</i> , 2014, 57, 2102-2111.	1.8	50
40	ANFIS modelling of a natural convection greenhouse drying system for jaggery: an experimental validation. <i>International Journal of Sustainable Energy</i> , 2014, 33, 316-335.	1.3	50
41	Heat transfer enhancement in solar air channel with broken multiple V-type baffle. <i>Case Studies in Thermal Engineering</i> , 2016, 8, 187-197.	2.8	50
42	Heat transfer augmentation in solar thermal collectors using impinging air jets: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 3179-3190.	8.2	50
43	Thermal modeling and drying kinetics of gooseberry drying inside north wall insulated greenhouse dryer. <i>Applied Thermal Engineering</i> , 2018, 130, 587-597.	3.0	49
44	Heat transfer analysis of PV integrated modified greenhouse dryer. <i>Renewable Energy</i> , 2018, 121, 53-65.	4.3	48
45	Empirical correlations development for heat transfer and friction factor of a solar rectangular air passage with spherical-shaped turbulence promoters. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 1195-1212.	2.0	48
46	Experimental study and correlation development for Nusselt number and friction factor for discretized broken V-pattern baffle solar air channel. <i>Experimental Thermal and Fluid Science</i> , 2017, 81, 56-75.	1.5	47
47	Thermo-hydraulic and exergy analysis of inclined impinging jets on absorber plate of solar air heater. <i>Renewable Energy</i> , 2021, 179, 84-95.	4.3	47
48	Heat transfer analysis of north wall insulated greenhouse dryer under natural convection mode. <i>Energy</i> , 2017, 118, 1264-1274.	4.5	46
49	Correlation development for Nusselt number and friction factor of a multiple type V-pattern dimpled obstacles solar air passage. <i>Renewable Energy</i> , 2017, 109, 461-479.	4.3	45
50	A review on thermal models for greenhouse dryers. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 75, 548-558.	8.2	45
51	Embodied energy analysis of the indirect solar drying unit. <i>International Journal of Ambient Energy</i> , 2017, 38, 280-285.	1.4	44
52	Solar air-heating system with packed-bed energy-storage systems. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 72, 215-227.	8.2	44
53	Effect of shape and size on convective mass transfer coefficient during greenhouse drying (GHD) of Jaggery. <i>Journal of Food Engineering</i> , 2006, 73, 121-134.	2.7	43
54	Optimizing discrete V obstacle parameters using a novel Entropy-VIKOR approach in a solar air flow channel. <i>Renewable Energy</i> , 2017, 106, 310-320.	4.3	43

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55	Medium temperature application of concentrated solar thermal technology: Indian perspective. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 76, 369-378.	8.2	43
56	Experimental study of enhancement of heat transfer and pressure drop in a solar air channel with discretized broken V-pattern baffle. <i>Renewable Energy</i> , 2017, 101, 856-872.	4.3	41
57	Experimental Investigation on Modified Solar Still Using Nanoparticles and Water Sprinkler Attachment. <i>Frontiers in Materials</i> , 2017, 4, .	1.2	41
58	Semantic segmentation of PolSAR image data using advanced deep learning model. <i>Scientific Reports</i> , 2021, 11, 15365.	1.6	40
59	Thermodynamic analysis of Organic Rankine cycle driven by reversed absorber hybrid photovoltaic thermal compound parabolic concentrator system. <i>Renewable Energy</i> , 2020, 147, 2118-2127.	4.3	39
60	Thermal modeling and drying kinetics of bitter melon slices drying in modified greenhouse dryer. <i>Renewable Energy</i> , 2018, 118, 799-813.	4.3	39
61	A comprehensive review of Scheffler solar collector. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 77, 890-898.	8.2	38
62	Optimization of single arc protrusion ribs parameters in solar air heater with impinging air jets based upon PSI approach. <i>Thermal Science and Engineering Progress</i> , 2018, 7, 146-154.	1.3	38
63	An overview of conventional and non-conventional hydrogen production methods. <i>Materials Today: Proceedings</i> , 2021, 46, 5353-5359.	0.9	38
64	Effect of roughness width ratio in discrete Multi v-shaped rib roughness on thermo-hydraulic performance of solar air heater. <i>Heat and Mass Transfer</i> , 2015, 51, 209-220.	1.2	37
65	Effect of square wings in multiple square perforated twisted tapes on fluid flow and heat transfer of heat exchanger tube. <i>Case Studies in Thermal Engineering</i> , 2017, 10, 28-43.	2.8	36
66	Thermal Hydraulic Performance in a Solar Air Heater Channel with Multi V-Type Perforated Baffles. <i>Energies</i> , 2016, 9, 564.	1.6	35
67	Fabrication and characterization of mixed dye: Natural and synthetic organic dye. <i>Optical Materials</i> , 2018, 79, 296-301.	1.7	34
68	Bamboo as a complementary crop to address climate change and livelihoods “ Insights from India. <i>Forest Policy and Economics</i> , 2019, 102, 66-74.	1.5	34
69	Investigation of thermal and hydrodynamic performance of impingement jets solar air passage with protrusion with combination arc obstacle on the heated plate. <i>Experimental Heat Transfer</i> , 2018, 31, 232-250.	2.3	33
70	Annual Performance of a Modified Greenhouse Dryer Under Passive Mode In No-Load Conditions. <i>International Journal of Green Energy</i> , 2015, 12, 1091-1099.	2.1	32
71	Experimental and thermal performance investigations on sensible storage based solar air heater. <i>Journal of Energy Storage</i> , 2020, 31, 101620.	3.9	32
72	Study on Calculation Models of Earth-Air Heat Exchanger Systems. <i>Journal of Energy</i> , 2014, 2014, 1-15.	1.4	30

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73	Application of artificial neural network for the prediction of jaggery mass during drying inside the natural convection greenhouse dryer. <i>International Journal of Ambient Energy</i> , 2014, 35, 186-192.	1.4	30
74	Thermohydraulic performance of rectangular ducts with different multiple V-rib roughness shapes: A comprehensive review and comparative study. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 54, 635-652.	8.2	30
75	Investigation of physicochemical properties of oil palm biomass for evaluating potential of biofuels production via pyrolysis processes. <i>Biomass Conversion and Biorefinery</i> , 2021, 11, 1987-2001.	2.9	30
76	Cycle test stability and corrosion evaluation of phase change materials used in thermal energy storage systems. <i>Journal of Energy Storage</i> , 2021, 39, 102664.	3.9	30
77	Performance evaluation of greenhouse dryer with opaque north wall. <i>Heat and Mass Transfer</i> , 2014, 50, 493-500.	1.2	28
78	Single-phase thermal and hydraulic performance analysis of a V-pattern dimpled obstacles air passage. <i>Experimental Heat Transfer</i> , 2017, 30, 393-426.	2.3	28
79	Experimental study of heat transfer enhancement in a rectangular duct distributed by multi V-perforated baffle of different relative baffle width. <i>Heat and Mass Transfer</i> , 2017, 53, 1289-1304.	1.2	28
80	A Novel Chemical Method for Determining Ester Content in Biodiesel. <i>Energy Procedia</i> , 2017, 138, 536-543.	1.8	28
81	Convective heat transfer enhancement techniques of heat exchanger tubes: a review. <i>International Journal of Ambient Energy</i> , 2018, 39, 649-670.	1.4	27
82	Comparative study of effect of various blockage arrangements on thermal hydraulic performance in a roughened air passage. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 81, 447-463.	8.2	27
83	Effect of ventilated solar-geothermal drying on 3E (exergy, energy, and economic analysis), and quality attributes of tomato paste. <i>Energy</i> , 2022, 243, 122764.	4.5	27
84	Numerical optimization of solar air heaters having different types of roughness shapes on the heated plate – Technical note. <i>Energy</i> , 2014, 72, 731-738.	4.5	26
85	Experimental investigation of effect of flow attack angle on thermohydraulic performance of air flow in a rectangular channel with discrete V-pattern baffle on the heated plate. <i>Advances in Mechanical Engineering</i> , 2016, 8, 168781401664105.	0.8	26
86	Development of new correlations for heat transfer and pressure loss due to internal conical ring obstacles in an impinging jet solar air heater passage. <i>Thermal Science and Engineering Progress</i> , 2020, 17, 100493.	1.3	26
87	Properties of functionally gradient composites reinforced with waste natural fillers. <i>Acta Periodica Technologica</i> , 2019, , 250-259.	0.5	26
88	Developing heat transfer and pressure loss in an air passage with multi discrete V-blockages. <i>Experimental Thermal and Fluid Science</i> , 2017, 84, 266-278.	1.5	25
89	A novel two-step transesterification process catalyzed by homogeneous base catalyst in the first step and heterogeneous acid catalyst in the second step. <i>Fuel Processing Technology</i> , 2017, 168, 97-104.	3.7	25
90	An experimental study of heat transfer enhancement in an air channel with broken multi type V-baffles. <i>Heat and Mass Transfer</i> , 2017, 53, 3593-3612.	1.2	25





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109	Thermal performance evaluation of modified active greenhouse dryer. <i>Journal of Building Physics</i> , 2014, 37, 395-402.	1.2	18
110	Augmented artificially roughened solar air heaters. <i>Materials Today: Proceedings</i> , 2022, 63, 226-239.	0.9	18
111	Economic analysis and drying kinetics of a geothermal-assisted solar dryer for tomato paste drying. <i>Journal of the Science of Food and Agriculture</i> , 2021, 101, 6542-6551.	1.7	17
112	Garlic dehydration inside heat exchanger-evacuated tube assisted drying system: Thermal performance, drying kinetic and color index. <i>Journal of Stored Products Research</i> , 2021, 93, 101852.	1.2	17
113	Effect of circular inside conical ring obstacles on heat transfer and friction characteristics of round jets impingement solar air rectangular passage. <i>International Journal of Green Energy</i> , 2019, 16, 1091-1104.	2.1	16
114	Thermal analysis of jet impingement on hemispherical protrusion on heated surface. <i>Experimental Heat Transfer</i> , 2021, 34, 662-677.	2.3	16
115	Parboiled Paddy Drying with Different Dryers: Thermodynamic and Quality Properties, Mathematical Modeling Using ANNs Assessment. <i>Foods</i> , 2020, 9, 86.	1.9	16
116	A comprehensive review on the heat transfer and nanofluid flow characteristics in different shaped channels. <i>International Journal of Ambient Energy</i> , 2021, 42, 345-361.	1.4	16
117	PREDICTION OF THE RATE OF MOISTURE EVAPORATION FROM Jaggery in Greenhouse Drying Using the Fuzzy Logic. <i>Heat Transfer Research</i> , 2015, 46, 923-935.	0.9	15
118	Conjugate heat and mass transfer modeling of a new rubber smoking room and experimental validation. <i>Applied Thermal Engineering</i> , 2017, 112, 761-770.	3.0	15
119	Experimental analysis and thermal performance of evacuated tube solar collector assisted solar dryer. <i>Materials Today: Proceedings</i> , 2021, 47, 5846-5851.	0.9	15
120	A comprehensive overview on solar grapes drying: Modeling, energy, environmental and economic analysis. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 47, 101513.	1.7	15
121	Drying kinetics and economic analysis of bitter melon slices drying inside hybrid greenhouse dryer. <i>Environmental Science and Pollution Research</i> , 2023, 30, 72026-72040.	2.7	15
122	A review of techniques for increasing the productivity of passive solar stills. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 52, 102033.	1.7	15
123	Comparison of groundnut drying in simple and modified natural convection greenhouse dryers: Thermal, environmental and kinetic analyses. <i>Journal of Stored Products Research</i> , 2022, 98, 101990.	1.2	15
124	Heating potential evaluation of earth-air heat exchanger system for winter season. <i>Journal of Building Physics</i> , 2015, 39, 242-260.	1.2	14
125	Performance and economic analysis of natural convection based rubber smoking room for rubber cooperatives in Thailand. <i>Renewable Energy</i> , 2019, 132, 233-242.	4.3	14
126	Recent advancements of PCM based indirect type solar drying systems: A state of art. <i>Materials Today: Proceedings</i> , 2021, 47, 5852-5855.	0.9	14



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127	Emissions from homogeneous charge compression ignition (HCCI) engine using different fuels: a review. <i>Environmental Science and Pollution Research</i> , 2022, 29, 50960-50969.	2.7	14
128	The significance of context for curriculum development in engineering education: a case study across three African countries. <i>European Journal of Engineering Education</i> , 2016, 41, 279-292.	1.5	12
129	&lt;p&gt;Localization of Nuclei in Breast Cancer Using Whole Slide Imaging System Supported by Morphological Features and Shape Formulas&lt;/p&gt;. <i>Cancer Management and Research</i> , 2020, Volume 12, 4573-4583.	0.9	12
130	Advancements in steam distillation system for oil extraction from peppermint leaves. <i>Materials Today: Proceedings</i> , 2021, 47, 5794-5799.	0.9	12
131	Experimental and numerical analysis of heat transfer and fluid flow characteristics inside pulsating heat pipe. <i>Chemical Engineering Communications</i> , 2023, 210, 549-565.	1.5	12
132	Concentrated solar power plants: A critical review of regional dynamics and operational parameters. <i>Energy Research and Social Science</i> , 2022, 83, 102331.	3.0	12
133	Experimental investigations on latent heat storage based modified mixedâ€mode greenhouse groundnuts drying. <i>Journal of Food Processing and Preservation</i> , 2022, 46, .	0.9	12
134	Assessment of sensible heat storage and fuel utilization efficiency enhancement in rubber sheet drying. <i>Journal of Energy Storage</i> , 2017, 10, 67-74.	3.9	11
135	Development and Performance Study of Solar Air Heater for Solar Drying Applications. <i>Green Energy and Technology</i> , 2017, , 579-601.	0.4	11
136	Promising biomass materials for biofuels in Indiaâ€™s context. <i>Materials Letters</i> , 2018, 220, 175-177.	1.3	11
137	Effect of helical perforated twisted tape parameters on thermal and hydrodynamic performance in heat exchanger circular tube. <i>Heat and Mass Transfer</i> , 2020, 56, 507-519.	1.2	11
138	TiO <sub>2</sub> /H <sub>2</sub> O nanofluid flow and heat transfer analysis in V-pattern with combined protrusion obstacle square channel: experimental analysis and CFD validation. <i>International Journal of Ambient Energy</i> , 2021, 42, 652-671.	1.4	11
139	Financial viability assessment of concentrated solar power technologies under Indian climatic conditions. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 43, 100928.	1.7	11
140	Performance characteristic of HCCI engine for different fuels. <i>Materials Today: Proceedings</i> , 2021, 47, 6030-6034.	0.9	11
141	Numerical study on overall thermal performance in SAH duct with compound roughness of V-shaped ribs and dimples. <i>Journal of the Korean Solar Energy Society</i> , 2015, 35, 43-55.	0.1	11
142	Exergy and energy analysis of sensible heat storage based double pass hybrid solar air heater. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 49, 101714.	1.7	11
143	Thermal characteristics of sensible heat storage materials applicable for concentrated solar power systems. <i>Materials Today: Proceedings</i> , 2021, 47, 5812-5817.	0.9	10
144	Thermohydraulic analysis of twisted tape inserts with SiO <sub>2</sub> /H <sub>2</sub> O nanofluid in heat exchanger. <i>Australian Journal of Mechanical Engineering</i> , 2023, 21, 1184-1197.	1.5	10

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145	Effect of a unique wingleet twisted tape insert on thermal and hydraulic properties of tubular heat exchanger. <i>Experimental Heat Transfer</i> , 2022, 35, 1077-1098.	2.3	10
146	Performance evaluation of mixed synthetic organic dye as sensitizer based dye sensitized solar cell. <i>Optical Materials</i> , 2021, 111, 110658.	1.7	9
147	Fundamental Concepts of Drying. <i>Green Energy and Technology</i> , 2017, , 3-38.	0.4	9
148	NUMERICAL OPTIMIZATION OF THE THERMAL PERFORMANCE OF A SOLAR AIR CHANNEL HAVING DISCRETE MULTI V-RIB ROUGHNESS ON THE ABSORBER PLATE. <i>Heat Transfer Research</i> , 2016, 47, 449-469.	0.9	9
149	Numerical simulation of effective efficiency of a discrete multi V-pattern rib solar air channel. <i>Heat and Mass Transfer</i> , 2016, 52, 2051-2065.	1.2	8
150	A review on technology and promotional initiatives for concentrated solar power in world. <i>International Journal of Ambient Energy</i> , 2018, 39, 297-316.	1.4	8
151	Effect of Aging on the Spectral Radiative Properties of Plastic Film-Covered Greenhouse under Arid Conditions. <i>International Journal of Thermophysics</i> , 2018, 39, 1.	1.0	8
152	Effect of straight slot rib height on heat transfer enhancement of nanofluid flow through rectangular channel. <i>Materials Today: Proceedings</i> , 2022, 50, 1159-1163.	0.9	8
153	Mathematical Simulation on Thermal Performance of Packed Bed Solar Energy Storage System. <i>Transactions of the Korean Hydrogen and New Energy Society</i> , 2015, 26, 331-338.	0.1	8
154	Heat transfer and friction factor of solar air heater having duct roughened artificially with discrete multiple v-ribs. <i>Journal of Renewable and Sustainable Energy</i> , 2012, 4, 033103.	0.8	7
155	Techno-economic assessment of forced-convection rubber smoking room for rubber cooperatives. <i>Energy</i> , 2017, 137, 152-159.	4.5	7
156	Evaluation of Biodiesel Production Process by the Determining of the Total Glycerol Content in Biodiesel. <i>Energy Procedia</i> , 2017, 138, 544-551.	1.8	7
157	Thermal analysis of insulated north-wall greenhouse with solar collector under passive mode. <i>International Journal of Sustainable Energy</i> , 2018, 37, 325-339.	1.3	7
158	Effect of square wing with combined solid ring twisted tape inserts on heat transfer and fluid flow of a circular tube heat exchanger. <i>International Journal of Green Energy</i> , 2018, 15, 663-680.	2.1	7
159	Development and characterization of ternary mixture series of medium and long chain saturated fatty acids for energy applications. <i>Energy Storage</i> , 2020, 2, e112.	2.3	7
160	Critical assessment on application of software for designing hybrid energy systems. <i>Materials Today: Proceedings</i> , 2022, 49, 425-432.	0.9	7
161	Exergetic efficiency analysis of impingement jets integrated with internal conical ring roughened solar heat collector. <i>Experimental Heat Transfer</i> , 2023, 36, 75-95.	2.3	7
162	Process optimization of conventional steam distillation system for peppermint oil extraction. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 3960-3980.	1.2	7

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163	A Comprehensive Overview of Renewable Energy Status in India. , 2015, , 91-105.		6
164	Advancement in Biogas Digester. Green Energy and Technology, 2015, , 351-382.	0.4	6
165	Thermal analysis of domestic type single Slopeâ€œBasin solar still under two different water depths. Materials Today: Proceedings, 2021, 46, 5482-5489.	0.9	6
166	Design and evaluation of stand-alone solar-hydrogen energy storage system for academic institute: A case study. Materials Today: Proceedings, 2021, 47, 5918-5922.	0.9	6
167	Solar Photovoltaic Technology and Its Sustainability. Green Energy and Technology, 2015, , 3-25.	0.4	5
168	A Review on Enhancement of Biogas Yield by Pre-treatment and addition of Additives. MATEC Web of Conferences, 2016, 62, 06002.	0.1	5
169	KINETICS OF FENUGREEK DRYING IN AN INDIRECT SOLAR DRYER. Heat Transfer Research, 2017, 48, 787-797.	0.9	5
170	AN EXPERIMENTAL INVESTIGATION OF ENHANCED HEAT TRANSFER DUE TO A GAP IN A CONTINUOUS MULTIPLE V-RIB ARRANGEMENT IN A SOLAR AIR CHANNEL. Journal of Enhanced Heat Transfer, 2014, 21, 21-49.	0.5	5
171	Parametric optimization of impinging air jet on hemispherical protrusion of a solar thermal collector. Experimental Heat Transfer, 2023, 36, 786-807.	2.3	5
172	Development of Phase Change Materials (PCMs) for Solar Drying Systems. Green Energy and Technology, 2017, , 619-633.	0.4	4
173	Experimental and CFD Analysis of Solar Air Heater with Rectangular Shaped Hollow Bodies. , 2018, , .		4
174	Desalination and Solar Still: Boon to Earth. Green Energy and Technology, 2019, , 1-24.	0.4	4
175	Sensitivity analysis and multi-objective optimization of organic Rankine cycle integrated with vapor compression refrigeration system. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-13.	1.2	4
176	Exergy Analysis of Solar Dryers. Green Energy and Technology, 2017, , 239-262.	0.4	4
177	Drying kinetics, performance, and quality assessment for banana slices using heat pumpâ€œassisted drying system ( HPADS ). Journal of Food Process Engineering, 0, , .	1.5	4
178	Thermal Performance Improvement of Solar Parabolic Dish System Using Modified Spiral Coil Tubular Receiver. International Journal of Photoenergy, 2021, 2021, 1-18.	1.4	4
179	Economic Analysis of Various Developed Solar Dryers. Green Energy and Technology, 2017, , 495-513.	0.4	3
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