

Anil Kumar

List of Publications by Year in descending order

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218
papers

7,024
citations

57758

44
h-index

82547

72
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227
all docs

227
docs citations

227
times ranked

4216
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermohydraulic analysis of twisted tape inserts with SiO ₂ /H ₂ O nanofluid in heat exchanger. Australian Journal of Mechanical Engineering, 2023, 21, 1184-1197.	2.1	10
2	Experimental and numerical analysis of heat transfer and fluid flow characteristics inside pulsating heat pipe. Chemical Engineering Communications, 2023, 210, 549-565.	2.6	12
3	Exergetic efficiency analysis of impingement jets integrated with internal conical ring roughened solar heat collector. Experimental Heat Transfer, 2023, 36, 75-95.	3.2	7
4	Drying kinetics and economic analysis of bitter gourd flakes drying inside hybrid greenhouse dryer. Environmental Science and Pollution Research, 2023, 30, 72026-72040.	5.3	15
5	Parametric optimization of impinging air jet on hemispherical protrusion of a solar thermal collector. Experimental Heat Transfer, 2023, 36, 786-807.	3.2	5
6	Critical assessment on application of software for designing hybrid energy systems. Materials Today: Proceedings, 2022, 49, 425-432.	1.8	7
7	Effect of straight slot rib height on heat transfer enhancement of nanofluid flow through rectangular channel. Materials Today: Proceedings, 2022, 50, 1159-1163.	1.8	8
8	Emissions from homogeneous charge compression ignition (HCCI) engine using different fuels: a review. Environmental Science and Pollution Research, 2022, 29, 50960-50969.	5.3	14
9	Concentrated solar power plants: A critical review of regional dynamics and operational parameters. Energy Research and Social Science, 2022, 83, 102331.	6.4	12
10	Exergy and energy analysis of sensible heat storage based double pass hybrid solar air heater. Sustainable Energy Technologies and Assessments, 2022, 49, 101714.	2.7	11
11	Effect of ventilated solar-geothermal drying on 3E (exergy, energy, and economic analysis), and quality attributes of tomato paste. Energy, 2022, 243, 122764.	8.8	27
12	Review on fabrication methodologies and its impacts on performance of dye-sensitized solar cells. Environmental Science and Pollution Research, 2022, 29, 15233-15251.	5.3	22
13	A Preliminary Assessment of Solar Industrial Process Heating for Cement Industry. Lecture Notes in Mechanical Engineering, 2022, , 171-177.	0.4	1
14	A review of techniques for increasing the productivity of passive solar stills. Sustainable Energy Technologies and Assessments, 2022, 52, 102033.	2.7	15
15	Thermodynamic analysis of sensible heat storage based double pass hybrid solar air heater with and without reflector. Sadhana - Academy Proceedings in Engineering Sciences, 2022, 47, 1.	1.3	0
16	Effect of a unique winglet twisted tape insert on thermal and hydraulic properties of tubular heat exchanger. Experimental Heat Transfer, 2022, 35, 1077-1098.	3.2	10
17	Augmented artificially roughened solar air heaters. Materials Today: Proceedings, 2022, 63, 226-239.	1.8	18
18	Thermal Pyrolysis of Used Tyres to Produce Liquid Fuel: Process Optimization and How It Compares to Microwave Pyrolysis. Journal of Energy, 2022, 2022, 1-12.	3.2	1

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19	Development of New Correlations and Parametric Optimization in Nanofluid Flow through Protruded Roughened Square Channel. <i>Mathematical Problems in Engineering</i> , 2022, 2022, 1-18.	1.1	2
20	Selection of optimal parameters using PSI approach of a dimpled-V pattern roughened solar heat collector. <i>Materials Today: Proceedings</i> , 2022, , .	1.8	3
21	Experimental investigations on latent heat storage based modified mixed-mode greenhouse groundnuts drying. <i>Journal of Food Processing and Preservation</i> , 2022, 46, .	2.0	12
22	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.	2.3	7
23	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.	2.6	15
24	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.	4.6	30
25	Thermal analysis of jet impingement on hemispherical protrusion on heated surface. <i>Experimental Heat Transfer</i> , 2021, 34, 662-677.	3.2	16
26	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.	2.5	16
27	TiO ₂ /H ₂ 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.	2.5	11
28	Thermal analysis of domestic type single Slope Basin solar still under two different water depths. <i>Materials Today: Proceedings</i> , 2021, 46, 5482-5489.	1.8	6
29	An overview of conventional and non-conventional hydrogen production methods. <i>Materials Today: Proceedings</i> , 2021, 46, 5353-5359.	1.8	38
30	Financial viability assessment of concentrated solar power technologies under Indian climatic conditions. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 43, 100928.	2.7	11
31	Performance evaluation of mixed synthetic organic dye as sensitizer based dye sensitized solar cell. <i>Optical Materials</i> , 2021, 111, 110658.	3.6	9
32	Thermal performance and energy consumption analysis of retail buildings through daylighting: A numerical model with experimental validation. <i>Materials Science for Energy Technologies</i> , 2021, 4, 367-382.	1.8	2
33	Investigations on Ethanol as the Raw Material for Hydrogen Production, Storage, and Applications. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 317-326.	0.4	0
34	Intelligent Moving Machine (IMM) Based on Battery for an Efficient Regenerative Braking System. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 257-264.	0.4	0
35	Advancements in steam distillation system for oil extraction from peppermint leaves. <i>Materials Today: Proceedings</i> , 2021, 47, 5794-5799.	1.8	12
36	Performance characteristic of HCCI engine for different fuels. <i>Materials Today: Proceedings</i> , 2021, 47, 6030-6034.	1.8	11

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37	Experimental analysis and thermal performance of evacuated tube solar collector assisted solar dryer. <i>Materials Today: Proceedings</i> , 2021, 47, 5846-5851.	1.8	15
38	Thermal characteristics of sensible heat storage materials applicable for concentrated solar power systems. <i>Materials Today: Proceedings</i> , 2021, 47, 5812-5817.	1.8	10
39	Energetic and exergetic study of dual slope solar distiller coupled with evacuated tube collector under force mode. <i>Materials Today: Proceedings</i> , 2021, 47, 5800-5800.	1.8	3
40	Combustion Characteristics of Mui and Taru Basin Coal in a Fluidized Bed Combustor. <i>Journal of Combustion</i> , 2021, 2021, 1-8.	1.0	0
41	Recent advancements of PCM based indirect type solar drying systems: A state of art. <i>Materials Today: Proceedings</i> , 2021, 47, 5852-5855.	1.8	14
42	Design and evaluation of stand-alone solar-hydrogen energy storage system for academic institute: A case study. <i>Materials Today: Proceedings</i> , 2021, 47, 5918-5922.	1.8	6
43	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.	3.5	17
44	Semantic segmentation of PolSAR image data using advanced deep learning model. <i>Scientific Reports</i> , 2021, 11, 15365.	3.3	40
45	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.	8.1	30
46	Review on Spray-Assisted Solar Desalination: Concept, Performance and Modeling. <i>Arabian Journal for Science and Engineering</i> , 2021, 46, 11521.	3.0	3
47	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.	2.6	17
48	Enviro-economical feasibility of groundnut drying under greenhouse and indoor forced convection hot air dryers. <i>Journal of Stored Products Research</i> , 2021, 93, 101848.	2.6	21
49	A comprehensive overview on solar grapes drying: Modeling, energy, environmental and economic analysis. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 47, 101513.	2.7	15
50	Design and feasibility analysis of hydrogen based hybrid energy system: A case study. <i>International Journal of Hydrogen Energy</i> , 2021, 46, 34574-34586.	7.1	24
51	Thermo-hydraulic and exergy analysis of inclined impinging jets on absorber plate of solar air heater. <i>Renewable Energy</i> , 2021, 179, 84-95.	8.9	47
52	Performance and Exergy Analysis of Single Slope Passive Solar Still in Clear Sky Condition. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 385-394.	0.4	0
53	A Review on Nuclear Energy-Based Hydrogen Production Methods. <i>Lecture Notes in Mechanical Engineering</i> , 2021, , 131-141.	0.4	0
54	Thermal Performance Improvement of Solar Parabolic Dish System Using Modified Spiral Coil Tubular Receiver. <i>International Journal of Photoenergy</i> , 2021, 2021, 1-18.	2.5	4

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55	Analysis and Implementation of Thermal Heat Exchanger Tube Performance with Helically Pierced Twisted Tape Inserts Using ANFIS Model. <i>Mathematical Problems in Engineering</i> , 2021, 2021, 1-13.	1.1	3
56	Semantic Segmentation of L&S Band SAR Data after Tuning the Hyper Parameters in Machine Learning Models. , 2021, , .		1
57	Correlations development for Nusselt number and friction factor in a dimpled surface heat exchanger tube. <i>Experimental Heat Transfer</i> , 2020, 33, 101-122.	3.2	21
58	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.	8.9	39
59	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.	2.1	11
60	Exergo-environmental analysis of an indirect forced convection solar dryer for drying bitter gourd slices. <i>Renewable Energy</i> , 2020, 146, 2210-2223.	8.9	152
61	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.	3.6	48
62	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.	4.3	7
63	Localization of Nuclei in Breast Cancer Using Whole Slide Imaging System Supported by Morphological Features and Shape Formulas. <i>Cancer Management and Research</i> , 2020, Volume 12, 4573-4583.	1.9	12
64	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.	2.7	26
65	A review on exergy analysis of solar parabolic collectors. <i>Solar Energy</i> , 2020, 197, 411-432.	6.1	56
66	Parboiled Paddy Drying with Different Dryers: Thermodynamic and Quality Properties, Mathematical Modeling Using ANNs Assessment. <i>Foods</i> , 2020, 9, 86.	4.3	16
67	Experimental and thermal performance investigations on sensible storage based solar air heater. <i>Journal of Energy Storage</i> , 2020, 31, 101620.	8.1	32
68	Solar Equipment Based Micro Grid in Hilly Terrains of Rural India - A Broad Perspective. <i>International Journal of Innovative Technology and Exploring Engineering</i> , 2020, 10, 26-35.	0.3	0
69	Performance and economic analysis of natural convection based rubber smoking room for rubber cooperatives in Thailand. <i>Renewable Energy</i> , 2019, 132, 233-242.	8.9	14
70	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.	3.8	16
71	Review on biodiesel production by two-step catalytic conversion. <i>Biocatalysis and Agricultural Biotechnology</i> , 2019, 18, 101023.	3.1	51
72	Solar air heater duct roughened with wavy delta winglets: correlations development and parametric optimization. <i>Heat and Mass Transfer</i> , 2019, 55, 3473-3491.	2.1	19

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73	Desalination and Solar Still: Boon to Earth. Green Energy and Technology, 2019, , 1-24.	0.6	4
74	Exergy Analysis of Active and Passive Solar Still. Green Energy and Technology, 2019, , 261-273.	0.6	2
75	Application of Software in Predicting Thermal Behaviours of Solar Stills. Green Energy and Technology, 2019, , 105-148.	0.6	0
76	Effect of Design Parameters on Productivity of Various Passive Solar Stills. Green Energy and Technology, 2019, , 49-73.	0.6	2
77	Simulation, Modeling, and Experimental Studies of Solar Distillation Systems. Green Energy and Technology, 2019, , 149-166.	0.6	1
78	Integrated PVT Hybrid Active Solar Still (HASS) with an Optimized Number of Collectors. Green Energy and Technology, 2019, , 219-236.	0.6	0
79	Bamboo as a complementary crop to address climate change and livelihoods “ Insights from India. Forest Policy and Economics, 2019, 102, 66-74.	3.4	34
80	Different Techniques for Separation of Brackish Water. Asian Journal of Chemistry, 2019, 31, 9-17.	0.3	1
81	Development of new correlations for heat transfer and friction loss of solid ring with combined square wing twisted tape inserts heat exchanger tube. Experimental Heat Transfer, 2019, 32, 179-200.	3.2	22
82	Properties of functionally gradient composites reinforced with waste natural fillers. Acta Periodica Technologica, 2019, , 250-259.	0.2	26
83	Fluid flow and heat transfer enhancement in wings with combined solid ring twisted tape inserts circular heat exchanger tube. Thermal Science, 2019, 23, 3893-3903.	1.1	2
84	Heat loss analysis of a parabolic type dish cooker. International Journal of Energy Technology, 2019, , 1.	0.3	0
85	Computational fluid dynamics (CFD) modelling of hybrid photovoltaic thermal system. Vibroengineering PROCEDIA, 2019, 29, 243-248.	0.5	0
86	Promising biomass materials for biofuels in India’s context. Materials Letters, 2018, 220, 175-177.	2.6	11
87	Fabrication and characterization of mixed dye: Natural and synthetic organic dye. Optical Materials, 2018, 79, 296-301.	3.6	34
88	Thermo-environmental and drying kinetics of bitter melon slices drying under north wall insulated greenhouse dryer. Solar Energy, 2018, 162, 205-216.	6.1	78
89	Experimental investigation of heat transfer and fluid flow behaviour in multiple square perforated twisted tape with square wing inserts heat exchanger tube. Heat and Mass Transfer, 2018, 54, 1813-1826.	2.1	20
90	Heat transfer analysis of PV integrated modified greenhouse dryer. Renewable Energy, 2018, 121, 53-65.	8.9	48

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91	Convective heat transfer enhancement techniques of heat exchanger tubes: a review. International Journal of Ambient Energy, 2018, 39, 649-670.	2.5	27
92	Thermal analysis of insulated north-wall greenhouse with solar collector under passive mode. International Journal of Sustainable Energy, 2018, 37, 325-339.	2.4	7
93	A review on technology and promotional initiatives for concentrated solar power in world. International Journal of Ambient Energy, 2018, 39, 297-316.	2.5	8
94	Heat transfer augmentation in solar thermal collectors using impinging air jets: A comprehensive review. Renewable and Sustainable Energy Reviews, 2018, 82, 3179-3190.	16.4	50
95	Recent developments in greenhouse solar drying: A review. Renewable and Sustainable Energy Reviews, 2018, 82, 3250-3262.	16.4	96
96	Thermal modeling and drying kinetics of gooseberry drying inside north wall insulated greenhouse dryer. Applied Thermal Engineering, 2018, 130, 587-597.	6.0	49
97	Investigation of thermal and hydrodynamic performance of impingement jets solar air passage with protrusion with combination arc obstacle on the heated plate. Experimental Heat Transfer, 2018, 31, 232-250.	3.2	33
98	Experimental determination of enhancement of heat transfer in a multiple square perforated twisted tape inserts heat exchanger tube. Experimental Heat Transfer, 2018, 31, 85-105.	3.2	23
99	Comparative study of effect of various blockage arrangements on thermal hydraulic performance in a roughened air passage. Renewable and Sustainable Energy Reviews, 2018, 81, 447-463.	16.4	27
100	Effect of square wing with combined solid ring twisted tape inserts on heat transfer and fluid flow of a circular tube heat exchanger. International Journal of Green Energy, 2018, 15, 663-680.	3.8	7
101	Review on solar Stirling engine: Development and performance. Thermal Science and Engineering Progress, 2018, 8, 244-256.	2.7	78
102	Efficiency improvement of solar photovoltaic/solar air collectors by using impingement jets: A review. Renewable and Sustainable Energy Reviews, 2018, 93, 331-353.	16.4	82
103	Optimization of single arc protrusion ribs parameters in solar air heater with impinging air jets based upon PSI approach. Thermal Science and Engineering Progress, 2018, 7, 146-154.	2.7	38
104	Fuel Cell: Fundamental, Classification, Application, and Environmental Impact. Green Energy and Technology, 2018, , 363-385.	0.6	2
105	Fundamentals and Performance Evaluation Parameters of Solar Dryer. Green Energy and Technology, 2018, , 37-50.	0.6	2
106	Experimental and CFD Analysis of Solar Air Heater with Rectangular Shaped Hollow Bodies. , 2018, , .		4
107	Design and Selection Criteria of Biogas Digester. Green Energy and Technology, 2018, , 91-112.	0.6	1
108	Drying Kinetics, Quality Assessment, and Economic Analysis of Bitter Gourd Flakes Drying Inside Forced Convection Greenhouse Dryer. Journal of Solar Energy Engineering, Transactions of the ASME, 2018, 140, .	1.8	21

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109	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.	2.1	8
110	Thermal modeling and drying kinetics of bitter gourd flakes drying in modified greenhouse dryer. <i>Renewable Energy</i> , 2018, 118, 799-813.	8.9	39
111	Experimental investigation on overall thermal performance of fluid-flow in a rectangular channel with discrete V-pattern baffle. <i>Thermal Science</i> , 2018, 22, 183-191.	1.1	25
112	Embodied energy analysis of the indirect solar drying unit. <i>International Journal of Ambient Energy</i> , 2017, 38, 280-285.	2.5	44
113	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.	8.9	43
114	Numerical analysis of thermal hydraulic performance of α overflows. <i>Renewable Energy</i> , 2017, 106, 310-320.		
115	Solar air-heating system with packed-bed energy-storage systems. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 72, 215-227.	16.4	44
116	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.	2.7	25
117	Assessment of sensible heat storage and fuel utilization efficiency enhancement in rubber sheet drying. <i>Journal of Energy Storage</i> , 2017, 10, 67-74.	8.1	11
118	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.	3.6	70
119	A comprehensive review of Scheffler solar collector. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 77, 890-898.	16.4	38
120	Numerical and experimental investigation of enhancement of heat transfer in dimpled rib heat exchanger tube. <i>Heat and Mass Transfer</i> , 2017, 53, 3501-3516.	2.1	20
121	A review on progress of concentrated solar power in India. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 304-307.	16.4	60
122	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.	8.9	45
123	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.	5.7	36
124	Medium temperature application of concentrated solar thermal technology: Indian perspective. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 76, 369-378.	16.4	43
125	Single-phase thermal and hydraulic performance analysis of a V-pattern dimpled obstacles air passage. <i>Experimental Heat Transfer</i> , 2017, 30, 393-426.	3.2	28
126	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.	6.1	56

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127	Development of Phase Change Materials (PCMs) for Solar Drying Systems. Green Energy and Technology, 2017, , 619-633.	0.6	4
128	A novel two-step transesterification process catalyzed by homogeneous base catalyst in the first step and heterogeneous acid catalyst in the second step. Fuel Processing Technology, 2017, 168, 97-104.	7.2	25
129	Economic Analysis of Various Developed Solar Dryers. Green Energy and Technology, 2017, , 495-513.	0.6	3
130	Energy Analysis of the Direct and Indirect Solar Drying System. Green Energy and Technology, 2017, , 529-542.	0.6	3
131	Development and Performance Study of Solar Air Heater for Solar Drying Applications. Green Energy and Technology, 2017, , 579-601.	0.6	11
132	Effect of multiple arc protrusion ribs on heat transfer and fluid flow of a circular-jet impingement solar air passage. Chemical Engineering and Processing: Process Intensification, 2017, 120, 114-133.	3.6	20
133	Turbulent heat transfer and nanofluid flow in a protruded ribbed square passage. Results in Physics, 2017, 7, 3603-3618.	4.1	20
134	An experimental study of heat transfer enhancement in an air channel with broken multi type V-baffles. Heat and Mass Transfer, 2017, 53, 3593-3612.	2.1	25
135	Techno-economic assessment of forced-convection rubber smoking room for rubber cooperatives. Energy, 2017, 137, 152-159.	8.8	7
136	Conjugate heat and mass transfer modeling of a new rubber smoking room and experimental validation. Applied Thermal Engineering, 2017, 112, 761-770.	6.0	15
137	Experimental study of enhancement of heat transfer and pressure drop in a solar air channel with discretized broken V-pattern baffle. Renewable Energy, 2017, 101, 856-872.	8.9	41
138	Heat transfer analysis of north wall insulated greenhouse dryer under natural convection mode. Energy, 2017, 118, 1264-1274.	8.8	46
139	A review on thermal models for greenhouse dryers. Renewable and Sustainable Energy Reviews, 2017, 75, 548-558.	16.4	45
140	Experimental study of heat transfer enhancement in a rectangular duct distributed by multi V-perforated baffle of different relative baffle width. Heat and Mass Transfer, 2017, 53, 1289-1304.	2.1	28
141	Experimental study and correlation development for Nusselt number and friction factor for discretized broken V-pattern baffle solar air channel. Experimental Thermal and Fluid Science, 2017, 81, 56-75.	2.7	47
142	Natural dyes for dye sensitized solar cell: A review. Renewable and Sustainable Energy Reviews, 2017, 69, 705-718.	16.4	307
143	A Novel Chemical Method for Determining Ester Content in Biodiesel. Energy Procedia, 2017, 138, 536-543.	1.8	28
144	Evaluation of Biodiesel Production Process by the Determining of the Total Glycerol Content in Biodiesel. Energy Procedia, 2017, 138, 544-551.	1.8	7

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145	Experimental Investigation on Modified Solar Still Using Nanoparticles and Water Sprinkler Attachment. <i>Frontiers in Materials</i> , 2017, 4, .	2.4	41
146	Fundamental Concepts of Drying. <i>Green Energy and Technology</i> , 2017, , 3-38.	0.6	9
147	Exergy Analysis of Solar Dryers. <i>Green Energy and Technology</i> , 2017, , 239-262.	0.6	4
148	KINETICS OF FENUGREEK DRYING IN AN INDIRECT SOLAR DRYER. <i>Heat Transfer Research</i> , 2017, 48, 787-797.	1.6	5
149	Thin layer drying characteristics of curry leaves (<i>Murraya koenigii</i>) in an indirect solar dryer. <i>Thermal Science</i> , 2017, 21, 359-367.	1.1	20
150	Applications of Soft Computing in Solar Drying Systems. <i>Green Energy and Technology</i> , 2017, , 419-438.	0.6	2
151	Experimental study on heat transfer and fluid flow enhancement of a spherical shape obstacle solar air passage. <i>Thermal Science</i> , 2017, , 220-220.	1.1	1
152	Advancement in Greenhouse Drying System. <i>Green Energy and Technology</i> , 2017, , 177-196.	0.6	3
153	ENVIRONMENTAL ANALYSIS AND MATHEMATICAL MODELING OF POTATO CHIPS DRYING IN A MODIFIED SOLAR GREENHOUSE DRYER. <i>Heat Transfer Research</i> , 2017, 48, 1497-1514.	1.6	2
154	A Review on Enhancement of Biogas Yield by Pre-treatment and addition of Additives. <i>MATEC Web of Conferences</i> , 2016, 62, 06002.	0.2	5
155	CFD Analysis on the Thermal Hydraulic Performance of an SAH Duct with Multi V-Shape Roughened Ribs. <i>Energies</i> , 2016, 9, 415.	3.1	22
156	Thermal Hydraulic Performance in a Solar Air Heater Channel with Multi V-Type Perforated Baffles. <i>Energies</i> , 2016, 9, 564.	3.1	35
157	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.	1.6	26
158	Review on various modelling techniques for the solar dryers. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 62, 396-417.	16.4	74
159	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.	4.5	62
160	Heat transfer enhancement in solar air channel with broken multiple V-type baffle. <i>Case Studies in Thermal Engineering</i> , 2016, 8, 187-197.	5.7	50
161	Performance of modified greenhouse dryer with thermal energy storage. <i>Energy Reports</i> , 2016, 2, 155-162.	5.1	81
162	Mathematical modeling and performance analysis of thin layer drying of bitter melon in sensible storage based indirect solar dryer. <i>Innovative Food Science and Emerging Technologies</i> , 2016, 36, 59-67.	5.6	144

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163	Performance analysis of greenhouse dryer by using insulated north-wall under natural convection mode. Energy Reports, 2016, 2, 107-116.	5.1	61
164	Thermal energy storage based solar drying systems: A review. Innovative Food Science and Emerging Technologies, 2016, 34, 86-99.	5.6	142
165	Experimental investigation on the comparison of fenugreek drying in an indirect solar dryer and under open sun. Heat and Mass Transfer, 2016, 52, 1963-1972.	2.1	21
166	Heat transfer and fluid flow characteristics in air duct with various V-pattern rib roughness on the heated plate: A comparative study. Energy, 2016, 103, 75-85.	8.8	61
167	Computational fluid dynamic analysis of innovative design of solar-biomass hybrid dryer: An experimental validation. Renewable Energy, 2016, 92, 185-191.	8.9	56
168	Numerical simulation of effective efficiency of a discrete multi V-pattern rib solar air channel. Heat and Mass Transfer, 2016, 52, 2051-2065.	2.1	8
169	Thermohydraulic performance of rectangular ducts with different multiple V-rib roughness shapes: A comprehensive review and comparative study. Renewable and Sustainable Energy Reviews, 2016, 54, 635-652.	16.4	30
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171	NUMERICAL OPTIMIZATION OF THE THERMAL PERFORMANCE OF A SOLAR AIR CHANNEL HAVING DISCRETE MULTI V-RIB ROUGHNESS ON THE ABSORBER PLATE. Heat Transfer Research, 2016, 47, 449-469.	1.6	9
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