

Hitesh N Panchal

List of Publications by Year in descending order

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184
papers

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61984

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187
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1875
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#	ARTICLE	IF	CITATIONS
1	A simplified methodology for mitigating the harmonics and common-mode voltage using multi-level inverters for renewable energy applications. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2023, 45, 10449-10471.	2.3	4
2	Exergy assessment of an Organic Rankine Cycle for waste heat recovery from a refrigeration system: a review. <i>Chemical Engineering Communications</i> , 2023, 210, 837-865.	2.6	8
3	Analysis of vibrations in a diesel engine produced by Jatropha biodiesel using heterogeneous catalyst. <i>Energy and Environment</i> , 2023, 34, 407-428.	4.6	8
4	Performance investigation of 140 kW grid connected solar PV system installed in southern region of India – A detailed case study and analysis. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2023, 45, 10472-10486.	2.3	2
5	Experimental performance investigations on various orientations of evacuated double absorber tube for solar parabolic trough concentrator. <i>International Journal of Ambient Energy</i> , 2022, 43, 492-499.	2.5	12
6	Past, present and future of the active solar distillation system: a comprehensive review. <i>International Journal of Ambient Energy</i> , 2022, 43, 1074-1082.	2.5	4
7	Applications of evacuated tubes collector to harness the solar energy: a review. <i>International Journal of Ambient Energy</i> , 2022, 43, 344-361.	2.5	31
8	Mini-review of different co-generation systems: solar thermal perspective. <i>International Journal of Ambient Energy</i> , 2022, 43, 1-3.	2.5	26
9	Enhancement of the distillate yield of solar still by separate and inbuilt condensers: A mini-Review. <i>International Journal of Ambient Energy</i> , 2022, 43, 3330-3334.	2.5	8
10	Improvement of Thermal Performance of a Solar Box Type Cooker Using SiO ₂ /TiO ₂ Nanolayer. <i>Silicon</i> , 2022, 14, 557-565.	3.3	25
11	Comparison of BPN, RBFN and wavelet neural network in induction motor modelling for speed estimation. <i>International Journal of Ambient Energy</i> , 2022, 43, 3246-3251.	2.5	20
12	An enhanced multiobjective particle swarm optimisation algorithm for optimum utilisation of hybrid renewable energy systems. <i>International Journal of Ambient Energy</i> , 2022, 43, 2540-2548.	2.5	36
13	FEA based analysis and design of PMSM for electric vehicle applications using magnet software. <i>International Journal of Ambient Energy</i> , 2022, 43, 2742-2747.	2.5	28
14	The influences of loading ratios and conveying velocity on gas-solid two phase flow characteristics: a comprehensive experimental CFD-DEM study. <i>International Journal of Ambient Energy</i> , 2022, 43, 2714-2726.	2.5	8
15	A novel method for Arduino based electric vehicle emulator. <i>International Journal of Ambient Energy</i> , 2022, 43, 4299-4304.	2.5	21
16	Performance enhancement using TiO ₂ nano particles in solar still at variable water depth. <i>International Journal of Ambient Energy</i> , 2022, 43, 4037-4044.	2.5	16
17	Continuous monitoring of power consumption in urban buildings based on Internet of Things. <i>International Journal of Ambient Energy</i> , 2022, 43, 5027-5033.	2.5	11
18	A concise review on Solar still with parabolic trough collector. <i>International Journal of Ambient Energy</i> , 2022, 43, 4812-4819.	2.5	8

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19	An improved optimisation technique for the network-controlled pH process and DC motor using various controllers. <i>International Journal of Ambient Energy</i> , 2022, 43, 4950-4958.	2.5	5
20	A method for broken bar fault diagnosis in three phase induction motor drive system using Artificial Neural Networks. <i>International Journal of Ambient Energy</i> , 2022, 43, 5138-5144.	2.5	18
21	Modelling and performance analysis of electric vehicle. <i>International Journal of Ambient Energy</i> , 2022, 43, 5034-5040.	2.5	30
22	WCO biodiesel production by heterogeneous catalyst and using cadmium (II)-based supramolecular coordination polymer additives to improve diesel/biodiesel fueled engine performance and emissions. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 6375-6391.	3.6	34
23	A novel home automation distributed server management system using Internet of Things. <i>International Journal of Ambient Energy</i> , 2022, 43, 5478-5483.	2.5	22
24	An efficient LoRa-based smart agriculture management and monitoring system using wireless sensor networks. <i>International Journal of Ambient Energy</i> , 2022, 43, 5447-5450.	2.5	41
25	A novel design of switched boost action based multiport converter using dsPIC controller for renewable energy applications. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 75-90.	2.3	15
26	Use of computational fluid dynamics for solar desalination system: a review. <i>International Journal of Ambient Energy</i> , 2022, 43, 5742-5757.	2.5	9
27	Design and optimisation of slotted stator tooth switched reluctance motor for torque enhancement for electric vehicle applications. <i>International Journal of Ambient Energy</i> , 2022, 43, 4283-4288.	2.5	19
28	Ground water treatment using solar radiation-vaporization & condensation-techniques by solar desalination system. <i>International Journal of Ambient Energy</i> , 2022, 43, 2868-2874.	2.5	11
29	Solar photovoltaic based dynamic voltage restorer with DC-DC boost converter for mitigating power quality issues in single phase grid. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 91-115.	2.3	5
30	Microcontroller PIC 16F877A standard based on solar cooker using PV“evacuated tubes with an extension of heat integrated energy system. <i>Environmental Science and Pollution Research</i> , 2022, 29, 15863-15875.	5.3	10
31	Low-cost bilayered structure for improving the performance of solar stills: Performance/cost analysis and water yield prediction using machine learning. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 49, 101783.	2.7	19
32	Fuel reactivity controlled compression ignition engine and potential strategies to extend the engine operating range: A comprehensive review. <i>Energy Conversion and Management: X</i> , 2022, 13, 100133.	1.6	4
33	Experimental and numerical assessment of the rotary bed reactor for fuel-processing and evaluation of produced oil usability as fuel substitute. <i>Case Studies in Thermal Engineering</i> , 2022, 29, 101710.	5.7	5
34	Waste to Energy: An experimental comparison of burning the waste-derived bio-oils produced by transesterification and pyrolysis methods. <i>Energy</i> , 2022, 242, 122945.	8.8	12
35	A Novel ultra sparse matrix converter as a power transferring device for gearless wind energy conversion systems based on renewable energy applications. <i>Sustainable Energy Technologies and Assessments</i> , 2022, 50, 101830.	2.7	7
36	An effective energy management strategy in hybrid electric vehicles using Taguchi based approach for improved performance. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 3418-3435.	2.3	7

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37	Investigating the performance of dish solar distiller with phase change material mixed with Al ₂ O ₃ nanoparticles under different water depths. <i>Environmental Science and Pollution Research</i> , 2022, 29, 28115-28126.	5.3	25
38	Investigation and performance analysis of solar still with energy storage materials: An energy-exergy efficiency analysis. <i>Case Studies in Thermal Engineering</i> , 2022, 29, 101687.	5.7	84
39	Performance analysis and enhancement of brain emotion-based intelligent controller and its impact on PMBLDC motor drive for electric vehicle applications. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 5640-5664.	2.3	4
40	A novel selective harmonic elimination for double voltage boosting nine level inverter topology with fewer switching components for renewable energy applications. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 871-892.	2.3	6
41	Statistical analysis on prediction of biodiesel properties from its fatty acid composition. <i>Case Studies in Thermal Engineering</i> , 2022, 30, 101775.	5.7	34
42	Experimental investigations on indirect contact type liquid desiccant cooling systems for high latent heat load application. <i>Case Studies in Thermal Engineering</i> , 2022, 31, 101814.	5.7	15
43	A comprehensive review on the effects of diesel/biofuel blends with nanofluid additives on compression ignition engine by response surface methodology. <i>Energy Conversion and Management: X</i> , 2022, 14, 100177.	1.6	16
44	One pot synthesis of Ag-Au/ZnO nanocomposites: a multi-junction component for sunlight photocatalysis. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 758-770.	2.3	1
45	Applications of Heat Exchanger in Solar Desalination: Current Issues and Future Challenges. <i>Water (Switzerland)</i> , 2022, 14, 852.	2.7	22
46	Experimental study and mathematical model development for the effect of water depth on water production of a modified basin solar still. <i>Case Studies in Thermal Engineering</i> , 2022, 33, 101925.	5.7	17
47	An extensive review of performance enhancement techniques for pyramid solar still for solar thermal applications. <i>Desalination</i> , 2022, 532, 115692.	8.2	26
48	A simplified methodology for renewable energy integration and harmonic current reduction in hybrid micro grid. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 8357-8379.	2.3	6
49	In Vitro Degradability, Microstructural Evaluation, and Biocompatibility of Zn-Ti-Cu-Ca-P Alloy. <i>Nanomaterials</i> , 2022, 12, 1357.	4.1	8
50	Investigation of mechanical properties of dual-fiber reinforcement in polymer composite. <i>Journal of Materials Research and Technology</i> , 2022, 18, 3908-3915.	5.8	37
51	Case studies on simulations of flow-induced vibrations of a cooled circular cylinder: Incompressible flow solver for moving mesh problem. <i>Case Studies in Thermal Engineering</i> , 2022, 34, 102030.	5.7	8
52	A novel strategy for implementation of intelligent techniques in solar photovoltaic arrays to improve the performance and various comparison of partial shading mitigating techniques. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 3079-3099.	2.3	4
53	Experimental investigation on dish solar distiller with modified absorber and phase change material under various operating conditions. <i>Environmental Science and Pollution Research</i> , 2022, 29, 63248-63259.	5.3	19
54	A comparative assessment on life cycle analysis of the biodiesel fuels produced from soybean, <i>Jatropha</i> , <i>Calophyllum inophyllum</i> , and microalgae. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 3253-3272.	2.3	8

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55	A novel intelligent transport system charging scheduling for electric vehicles using Grey Wolf Optimizer and Sail Fish Optimization algorithms. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 3555-3575.	2.3	34
56	Performance enhancement of selective layer coated on solar absorber panel with reflector for water heater by response surface method: A case study. <i>Case Studies in Thermal Engineering</i> , 2022, 36, 102093.	5.7	33
57	Performance enhancement and economic analysis of pyramid solar still with corrugated absorber plate and conventional solar still: A case study. <i>Case Studies in Thermal Engineering</i> , 2022, 35, 101966.	5.7	38
58	An extensive review on energy management system for microgrids. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 4203-4228.	2.3	5
59	Classification of Glaucoma Based on Elephant-Herding Optimization Algorithm and Deep Belief Network. <i>Electronics (Switzerland)</i> , 2022, 11, 1763.	3.1	17
60	A case study on development of thermodynamic entropy measuring device and its implication on the human body. <i>Case Studies in Thermal Engineering</i> , 2022, , 102229.	5.7	0
61	An Experimental Study of ZrO ₂ -CeO ₂ Hybrid Nanofluid and Response Surface Methodology for the Prediction of Heat Transfer Performance: The New Correlations. <i>Journal of Nanomaterials</i> , 2022, 2022, 1-11.	2.7	8
62	An adaptive harmonic abatement in three-phase multilevel inverter topology with reduced switches using metaheuristic approaches for renewable energy applications. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 5455-5472.	2.3	0
63	Artificially roughened solar air heating technology – A comprehensive review. <i>Applied Thermal Engineering</i> , 2022, 214, 118817.	6.0	29
64	Biodegradable magnesium metal matrix composites for biomedical implants: synthesis, mechanical performance, and corrosion behavior – a review. <i>Journal of Materials Research and Technology</i> , 2022, 20, 650-670.	5.8	42
65	A study of solar heat gain variation in building applied photovoltaic buildings and its impact on environment and indoor air quality. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2022, 44, 6192-6212.	2.3	5
66	Real-Time Facemask Detection for Preventing COVID-19 Spread Using Transfer Learning Based Deep Neural Network. <i>Electronics (Switzerland)</i> , 2022, 11, 2250.	3.1	7
67	Comparative analysis of stepped and single basin solar still in climate conditions of Gandhinagar Gujarat during winter. <i>International Journal of Ambient Energy</i> , 2021, 42, 1649-1659.	2.5	21
68	A use of various phase change materials on the performance of solar still: a review. <i>International Journal of Ambient Energy</i> , 2021, 42, 1575-1580.	2.5	26
69	The requirement of various methods to improve distillate output of solar still: a review. <i>International Journal of Ambient Energy</i> , 2021, 42, 597-603.	2.5	35
70	Investigation and performance analysis of solar milk pasteurisation system. <i>International Journal of Ambient Energy</i> , 2021, 42, 522-529.	2.5	11
71	Performance analysis of waste brick magnesia as a storage material in a solar still. <i>Heat Transfer</i> , 2021, 50, 1799-1811.	3.0	9
72	Overview of fluoride removal from water using separation techniques. <i>Environmental Technology and Innovation</i> , 2021, 21, 101246.	6.1	35

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73	Study of performance, combustion, and emissions parameters of DI-diesel engine fueled with algae biodiesel/diesel/n-pentane blends. <i>Energy Conversion and Management</i> , 2021, 10, 100058.	1.6	35
74	Influence of lean premixed ratio of PCCI-DI engine fueled by diesel/biodiesel blends on combustion, performance, and emission attributes; a comparison study. <i>Energy Conversion and Management</i> , 2021, 10, 100066.	1.6	14
75	Enhancement of the yield of solar still with the use of solar pond: A review. <i>Heat Transfer</i> , 2021, 50, 1392-1409.	3.0	52
76	Thermal regulation of photovoltaic system for enhanced power production: A review. <i>Journal of Energy Storage</i> , 2021, 35, 102236.	8.1	31
77	Performance enhancement of stepped basin solar still based on OSELM with traversal tree for higher energy adaptive control. <i>Desalination</i> , 2021, 502, 114926.	8.2	45
78	Thermal performance and kinetic analysis of vermicelli drying inside a greenhouse for sustainable development. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 44, 101082.	2.7	13
79	Experimental study on combustion, performance, and emission behaviours of diesel /WCO biodiesel/Cyclohexane blends in DI-CI engine. <i>Chemical Engineering Research and Design</i> , 2021, 149, 684-697.	5.6	43
80	A Portable Active Photovoltaic Solar Energy System in Treating Wastewaters by Electrocoagulation. <i>Smart and Sustainable Manufacturing Systems</i> , 2021, 5, 120-128.	0.7	2
81	Deep eutectic solvents-based CNT nanofluid – A potential alternative to conventional heat transfer fluids. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 128, 314-326.	5.3	21
82	Experimental investigation on the yield of solar still using manganese oxide nanoparticles coated absorber. <i>Case Studies in Thermal Engineering</i> , 2021, 25, 100905.	5.7	84
83	Augmenting the productivity of stepped distiller by corrugated and curved liners, CuO/paraffin wax, wick, and vapor suctioning. <i>Environmental Science and Pollution Research</i> , 2021, 28, 56955-56965.	5.3	54
84	An experimental investigation of emission performance of heterogenous catalyst jatropa biodiesel using RSM. <i>Case Studies in Thermal Engineering</i> , 2021, 25, 100876.	5.7	37
85	An enhancement in the diesel engine performance, combustion, and emission attributes fueled by diesel-biodiesel and 3D silver thiocyanate nanoparticles additive fuel blends. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 124, 369-380.	5.3	45
86	Design, development and techno economic analysis of novel parabolic trough collector for low-temperature water heating applications. <i>Case Studies in Thermal Engineering</i> , 2021, 26, 100978.	5.7	15
87	Performance assessment of a solar water distiller using circular parabolic absorber: An experimental investigation. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101508.	5.7	16
88	Investigation on evacuated tubes coupled solar still with condenser and fins: Experimental, exergo-economic and exergo-environment analysis. <i>Case Studies in Thermal Engineering</i> , 2021, 27, 101217.	5.7	32
89	Diesel-fired boiler performance and emissions measurements using a combination of diesel and palm biodiesel. <i>Case Studies in Thermal Engineering</i> , 2021, 27, 101324.	5.7	16
90	Thermal investigation of a solar box-type cooker with nanocomposite phase change materials using flexible thermography. <i>Renewable Energy</i> , 2021, 178, 260-282.	8.9	39

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91	Graphite powder mixed with black paint on the absorber plate of the solar still to enhance yield: An experimental investigation. <i>Desalination</i> , 2021, 520, 115349.	8.2	42
92	Fine-tuned artificial intelligence model using pigeon optimizer for prediction of residual stresses during turning of Inconel 718. <i>Journal of Materials Research and Technology</i> , 2021, 15, 3622-3634.	5.8	67
93	An extensive analysis of mechanical, thermal and physical properties of jute fiber composites with different fiber orientations. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101612.	5.7	48
94	A case study on experimental and statistical analysis of energy consumption of domestic refrigerator. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101636.	5.7	13
95	Artificial Intelligence for Forecasting the Prevalence of COVID-19 Pandemic: An Overview. <i>Healthcare (Switzerland)</i> , 2021, 9, 1614.	2.0	33
96	Productivity forecasting of solar distiller integrated with evacuated tubes and external condenser using artificial intelligence model and moth-flame optimizer. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101671.	5.7	85
97	Annual performance analysis of various energy storage materials in the upper basin of a double-basin solar still with vacuum tubes. <i>International Journal of Ambient Energy</i> , 2020, 41, 435-451.	2.5	13
98	Application of solar energy for milk pasteurisation: a comprehensive review for sustainable development. <i>International Journal of Ambient Energy</i> , 2020, 41, 117-120.	2.5	28
99	Experimental analysis of single-basin solar still with porous fins. <i>International Journal of Ambient Energy</i> , 2020, 41, 563-569.	2.5	62
100	Different applications of Scheffler reflector for renewable energy: a comprehensive review. <i>International Journal of Ambient Energy</i> , 2020, 41, 716-728.	2.5	32
101	Investigation and performance analysis of Scheffler reflector solar cooking system integrated with sensible and latent heat storage materials. <i>International Journal of Ambient Energy</i> , 2020, 41, 1096-1105.	2.5	19
102	A detailed review on solar desalination techniques. <i>International Journal of Ambient Energy</i> , 2020, 41, 1066-1087.	2.5	27
103	Performance analysis of evacuated tubes coupled solar still with double basin solar still and solid fins. <i>International Journal of Ambient Energy</i> , 2020, 41, 1031-1037.	2.5	47
104	Study of diesel-biodiesel blends combustion and emission characteristics in a CI engine by adding nanoparticles of Mn (II) supramolecular complex. <i>Atmospheric Pollution Research</i> , 2020, 11, 117-128.	3.8	47
105	Effect of fin configuration parameters on performance of solar still: A review. <i>Groundwater for Sustainable Development</i> , 2020, 10, 100289.	4.6	60
106	Effect of cultivation parameters and heat management on the algae species growth conditions and biomass production in a continuous feedstock photobioreactor. <i>Renewable Energy</i> , 2020, 148, 807-815.	8.9	37
107	A Review: Emphasizing the Nanofluids Use in PV/T Systems. <i>IEEE Access</i> , 2020, 8, 58227-58249.	4.2	26
108	Experimental investigation on the influences of acetone organic compound additives into the diesel/biodiesel mixture in CI engine. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 37, 100614.	2.7	31

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109	Comparative analysis of the use of flash evaporator and solar still with a solar desalination system. <i>International Journal of Ambient Energy</i> , 2020, , 1-8.	2.5	9
110	Design and experimental analysis of solar-powered water desalination system using humidification–dehumidification. <i>International Journal of Ambient Energy</i> , 2020, , 1-12.	2.5	6
111	Optimization of performance and emission characteristics of CI engine fueled with Jatropha biodiesel produced using a heterogeneous catalyst (CaO). <i>Fuel</i> , 2020, 280, 118611.	6.4	92
112	A review of artificial intelligence-based optimization techniques for the sizing of integrated renewable energy systems in smart cities. <i>Environmental Technology Reviews</i> , 2020, 9, 111-136.	4.3	31
113	High-temperature molten salts optimisation using mixture design for energy storage application. <i>Journal of Energy Storage</i> , 2020, 32, 101981.	8.1	16
114	Wall-suspended trays inside stepped distiller with Al ₂ O ₃ /paraffin wax mixture and vapor suction: Experimental implementation. <i>Journal of Energy Storage</i> , 2020, 32, 102008.	8.1	80
115	Growth and characterization study of pure and C ₄ H ₆ O ₅ /C ₂ H ₂ O ₄ /Li ₂ SO ₄ doped L-Lysine single crystal for NLO applications. <i>Materials Today: Proceedings</i> , 2020, 30, 69-77.	1.8	0
116	Recent advancements in condensers to enhance the performance of solar still: A review. <i>Heat Transfer</i> , 2020, 49, 3758-3778.	3.0	21
117	Productivity enhancement of solar still with thermoelectric modules from groundwater to produce potable water: A review. <i>Groundwater for Sustainable Development</i> , 2020, 11, 100429.	4.6	31
118	Solar still with evacuated tubes and calcium stones to enhance the yield: An experimental investigation. <i>Chemical Engineering Research and Design</i> , 2020, 142, 150-155.	5.6	56
119	Synthesis of Hybrid Graphene/TiO ₂ Nanoparticles Based High-Temperature Quinary Salt Mixture for Energy Storage Application. <i>Journal of Energy Storage</i> , 2020, 31, 101540.	8.1	29
120	Experimental investigations of atmospheric water extraction device under different climatic conditions. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 38, 100677.	2.7	14
121	Molybdenum and its oxide-based coatings: a review. <i>International Journal of Ambient Energy</i> , 2020, , 1-7.	2.5	5
122	Maximization of biodiesel production from sunflower and soybean oils and prediction of diesel engine performance and emission characteristics through response surface methodology. <i>Fuel</i> , 2020, 266, 117072.	6.4	143
123	Use of solar photovoltaic with active solar still to improve distillate output: A review. <i>Groundwater for Sustainable Development</i> , 2020, 10, 100341.	4.6	56
124	Extracting water content from the ambient air in a double-slope half-cylindrical basin solar still using silica gel under Egyptian conditions. <i>Sustainable Energy Technologies and Assessments</i> , 2020, 39, 100712.	2.7	52
125	Performance analysis of conventional triple basin solar still with evacuated heat pipes, corrugated sheets and storage materials. <i>Groundwater for Sustainable Development</i> , 2020, 11, 100387.	4.6	38
126	Experimental and water quality analysis of solar stills with vertical and inclined fins. <i>Groundwater for Sustainable Development</i> , 2020, 11, 100410.	4.6	83

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127	Removal of Fluoride from Aqueous Solution using Calcium Peroxide as a Low-cost Adsorbent. <i>Journal of Water Chemistry and Technology</i> , 2020, 42, 329-338.	0.6	3
128	Experimental studies on the biodiesel production parameters optimization of sunflower and soybean oil mixture and DI engine combustion, performance, and emission analysis fueled with diesel/biodiesel blends. <i>Fuel</i> , 2019, 255, 115791.	6.4	169
129	Experimental investigations on spray flames and emissions analysis of diesel and diesel/biodiesel blends for combustion in oxy-fuel burner. <i>Asia-Pacific Journal of Chemical Engineering</i> , 2019, 14, e2375.	1.5	6
130	Various techniques to enhance distillate output of tubular solar still: A review. <i>Groundwater for Sustainable Development</i> , 2019, 9, 100268.	4.6	35
131	Investigation and performance analysis of water-diesel emulsion for improvement of performance and emission characteristics of partially premixed charge compression ignition (PPCCI) diesel engines. <i>Sustainable Energy Technologies and Assessments</i> , 2019, 36, 100546.	2.7	33
132	Current research aspects in mono and hybrid nanofluid based heat pipe technologies. <i>Heliyon</i> , 2019, 5, e01627.	3.2	86
133	Numerical investigation of blade tip with different groove effect and its dynamic analysis of axial flow fan. <i>International Journal of Ambient Energy</i> , 2019, , 1-9.	2.5	2
134	Optimization of the multi-carburant dose as an energy source for the application of the HCCI engine. <i>Fuel</i> , 2019, 253, 15-24.	6.4	40
135	Annual performance analysis of adding different nanofluids in stepped solar still. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 138, 3175-3182.	3.6	63
136	Progress in Passive Solar Still for Enhancement in Distillate Output. <i>Green Energy and Technology</i> , 2019, , 167-177.	0.6	2
137	Experimental investigation on the effect of MgO and TiO ₂ nanoparticles in stepped solar still. <i>International Journal of Energy Research</i> , 2019, 43, 3295-3305.	4.5	62
138	Comparative study of the combustion, performance, and emission characteristics of a direct injection diesel engine with a partially premixed lean charge compression ignition diesel engines. <i>Fuel</i> , 2019, 249, 277-285.	6.4	64
139	A mini review of techniques used to improve the tubular solar still performance for solar water desalination. <i>Chemical Engineering Research and Design</i> , 2019, 124, 204-212.	5.6	137
140	Effect of water depth on a novel absorber plate of pyramid solar still coated with TiO ₂ nano black paint. <i>Journal of Cleaner Production</i> , 2019, 213, 185-191.	9.3	199
141	Annual performance analysis of a single-basin passive solar still coupled with evacuated tubes: comprehensive study in climate conditions of Mahesana, Gujarat. <i>International Journal of Ambient Energy</i> , 2019, 40, 229-242.	2.5	15
142	A review on solar still: a simple desalination technology to obtain potable water. <i>International Journal of Ambient Energy</i> , 2019, 40, 335-342.	2.5	48
143	A comprehensive review of solar cooker with sensible and latent heat storage materials. <i>International Journal of Ambient Energy</i> , 2019, 40, 329-334.	2.5	46
144	Economic and exergy investigation of triangular pyramid solar still integrated to inclined solar still with baffles. <i>International Journal of Ambient Energy</i> , 2019, 40, 571-576.	2.5	46

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145	Comparative study of an inclined solar panel basin solar still in passive and active mode. Solar Energy, 2018, 169, 206-216.	6.1	89
146	Solar energy utilisation for milk pasteurisation: A comprehensive review. Renewable and Sustainable Energy Reviews, 2018, 92, 1-8.	16.4	36
147	ANSYS CFD and experimental comparison of various parameters of a solar still. International Journal of Ambient Energy, 2018, 39, 551-557.	2.5	56
148	A review on compound parabolic solar concentrator for sustainable development. International Journal of Ambient Energy, 2018, 39, 533-546.	2.5	33
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