

# Arya Pandey

## List of Publications by Year in descending order

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148  
papers

5,681  
citations

100601

38  
h-index

97045

71  
g-index

150  
all docs

150  
docs citations

150  
times ranked

5534  
citing authors

#	ARTICLE	IF	CITATIONS
1	Organic-inorganic composite nanocoatings with superhydrophobicity and thermal stability. Pigment and Resin Technology, 2024, 53, 10-16.	0.5	2
2	Study on self-cleaning performance and hydrophobicity of TiO <sub>2</sub> /silane coatings. Pigment and Resin Technology, 2024, 53, 1-9.	0.5	10
3	Nano additive enhanced salt hydrate phase change materials for thermal energy storage. International Materials Reviews, 2023, 68, 140-183.	9.4	29
4	Structural, electrical and electrochemical characterization of hybrid morphological LiNi <sub>0.5</sub> Mn <sub>1.5</sub> O <sub>4</sub> cathode material. Physica B: Condensed Matter, 2022, 624, 413376.	1.3	2
5	Performance evaluation methods of DSSCs. , 2022, , 91-101.		2
6	Development of dye-sensitized solar cell module and its optimization. , 2022, , 137-157.		3
7	Dye-sensitized solar cells: a comprehensive introduction. , 2022, , 25-43.		0
8	Solar energy: direct and indirect methods to harvest usable energy. , 2022, , 1-24.		3
9	A comprehensive review on thermophysical properties and solar thermal applications of organic nano composite phase change materials. Journal of Energy Storage, 2022, 45, 103415.	3.9	25
10	Concentrated Photovoltaic Thermal (CPVT) systems: Recent advancements in clean energy applications, thermal management and storage. Journal of Energy Storage, 2022, 45, 103369.	3.9	30
11	Comparative exergoeconomic analysis of single, two and three stage spray drying systems. Journal of Thermal Analysis and Calorimetry, 2022, 147, 8947-8968.	2.0	2
12	Effect of simultaneous & consecutive melting/solidification of phase change material on domestic solar water heating system. Renewable Energy, 2022, 188, 329-348.	4.3	10
13	Effect of graphene and its derivatives on thermo-mechanical properties of phase change materials and its applications: a comprehensive review. Frontiers in Energy, 2022, 16, 150-186.	1.2	6
14	Effect of Tin Oxide/Black Paint Coating on Absorber Plate Temperature for Improved Solar Still Production: A Controlled Indoor and Outdoor Investigation. International Journal of Photoenergy, 2022, 2022, 1-12.	1.4	9
15	Thermophysical properties enhancement and characterization of CuO nanoparticles enhanced HITEC molten salt for concentrated solar power applications. International Communications in Heat and Mass Transfer, 2022, 132, 105898.	2.9	11
16	Improved cycling stability of V <sub>2</sub> O <sub>5</sub> modified spinel LiMn <sub>2</sub> O <sub>4</sub> cathode at high cut-off voltage for lithium-ion batteries. International Journal of Applied Ceramic Technology, 2022, 19, 2036-2052.	1.1	11
17	Advancement in solar still integration with phase change materials-based TES systems and nanofluid for water and wastewater treatment applications. Journal of Thermal Analysis and Calorimetry, 2022, 147, 9181-9227.	2.0	7
18	Experimental Investigations on Thermal Properties of Copper (II) Oxide Nanoparticles Enhanced Inorganic Phase Change Materials for Solar Thermal Energy Storage Applications. , 2022, , .		7

#	ARTICLE	IF	CITATIONS
19	Thermal conductivity and Thermal properties enhancement of Paraffin/ Titanium Oxide based Nano enhanced Phase change materials for Energy storage. , 2022, , .		5
20	A comparative study on thermophysical properties of functionalized and non-functionalized Multi-Walled Carbon Nano Tubes (MWCNTs) enhanced salt hydrate phase change material. Solar Energy Materials and Solar Cells, 2022, 240, 111697.	3.0	19
21	Nano-enhanced organic form stable PCMs for medium temperature solar thermal energy harvesting: Recent progresses, challenges, and opportunities. Renewable and Sustainable Energy Reviews, 2022, 161, 112321.	8.2	57
22	Binary composite (TiO <sub>2</sub> -Gr) based nano-enhanced organic phase change material: Effect on thermophysical properties. Journal of Energy Storage, 2022, 51, 104526.	3.9	15
23	Improved surface temperature of absorber plate using metallic titanium particles for solar still application. Sustainable Energy Technologies and Assessments, 2022, 52, 102092.	1.7	4
24	Thermal conductivity, reliability, and stability assessment of phase change material (PCM) doped with functionalized multi-wall carbon nanotubes (FMWCNTs). Journal of Energy Storage, 2022, 50, 104676.	3.9	40
25	Recent progresses and challenges in cooling techniques of concentrated photovoltaic thermal system: A review with special treatment on phase change materials (PCMs) based cooling. Solar Energy Materials and Solar Cells, 2022, 241, 111739.	3.0	27
26	Determination of elastic constants of functionalized graphene-based epoxy nanocomposites: a molecular modeling and MD simulation study. Journal of Molecular Modeling, 2022, 28, 143.	0.8	8
27	Charging analysis and characterizations of COOH group functionalized graphene combined with paraffin wax as phase change material for thermal energy storage applications. Journal of Thermal Analysis and Calorimetry, 2022, 147, 11021-11038.	2.0	7
28	Phase change materials integrated solar desalination system: An innovative approach for sustainable and clean water production and storage. Renewable and Sustainable Energy Reviews, 2022, 165, 112611.	8.2	37
29	Algal-based biofuel generation through flue gas and wastewater utilization: a sustainable prospective approach. Biomass Conversion and Biorefinery, 2021, 11, 1419-1442.	2.9	26
30	An experimental study on characterization and properties of eco-friendly nanolubricant containing polyaniline (PANI) nanotubes blended in RBD palm olein oil. Journal of Thermal Analysis and Calorimetry, 2021, 145, 2967-2981.	2.0	16
31	A comparative experimental study on the physical behavior of mono and hybrid RBD palm olein based nanofluids using CuO nanoparticles and PANI nanofibers. International Communications in Heat and Mass Transfer, 2021, 120, 105006.	2.9	20
32	Effect of WS <sub>2</sub> nano-sheets on the catalytic activity of polyaniline nano-rods based counter electrode for dye sensitized solar cell. Physica E: Low-Dimensional Systems and Nanostructures, 2021, 126, 114466.	1.3	13
33	Preparation, characterization and thermophysical properties investigation of A70/polyaniline nanocomposite phase change material for medium temperature solar applications. Energy and Built Environment, 2021, 2, 271-277.	2.9	21
34	Towards the Conducting Polymer Based Catalysts to Eliminate Pt for Dye Sensitized Solar Cell Applications. Engineering Materials, 2021, , 311-326.	0.3	0
35	A comprehensive energy, exergy and enviroeconomic (3-E) analysis with carbon mitigation for multistage evaporation assisted milk powder production unit. Sustainable Energy Technologies and Assessments, 2021, 43, 100925.	1.7	9
36	Optimisation of a renewable cooling and heating system using an integer-based genetic algorithm, response surface method and life cycle analysis. Energy Conversion and Management, 2021, 230, 113797.	4.4	19

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37	Investigation on Thermal Properties of AL <sub>2</sub> O <sub>3</sub> Based Phase Change Material Composite for Solar Thermal System Application. IOP Conference Series: Materials Science and Engineering, 2021, 1127, 012010.	0.3	1
38	Review on Economic analysis of Photovoltaic Thermal Systems. IOP Conference Series: Materials Science and Engineering, 2021, 1127, 012008.	0.3	3
39	Thermal Energy Storage in Phase Change Material Integrated Solar Collectors for Air Heating Application. IOP Conference Series: Materials Science and Engineering, 2021, 1127, 012006.	0.3	6
40	Recent Advancements in Design of Flat Plate Solar Collectors. IOP Conference Series: Materials Science and Engineering, 2021, 1127, 012007.	0.3	2
41	Energy, exergy, enviroeconomic & exergoeconomic (4E) assessment of thermal energy storage assisted solar water heating system: Experimental & theoretical approach. Journal of Energy Storage, 2021, 35, 102232.	3.9	20
42	Improving energy flexibility of a net-zero energy house using a solar-assisted air conditioning system with thermal energy storage and demand-side management. Applied Energy, 2021, 285, 116433.	5.1	50
43	Indoor and Outdoor Performance Study of Metallic Zinc Particles in Black Paint to Improve Solar Absorption for Solar Still Application. Coatings, 2021, 11, 536.	1.2	8
44	An efficient platform based on strontium titanate nanocubes interleaved polypyrrole nanohybrid as counter electrode for dye-sensitized solar cell. Journal of Alloys and Compounds, 2021, 860, 158228.	2.8	21
45	Thermal Stability and Light Transmission Capability of Nano TiO <sub>2</sub> Enhanced Phase Change Material as Thermal Energy Storage. IOP Conference Series: Materials Science and Engineering, 2021, 1116, 012206.	0.3	2
46	Usage of on-demand oxyhydrogen gas as clean/renewable fuel for combustion applications: a review. International Journal of Green Energy, 2021, 18, 1405-1429.	2.1	12
47	Hydrogen energy vision 2060: Hydrogen as energy Carrier in Malaysian primary energy mix – Developing P2G case. Energy Strategy Reviews, 2021, 35, 100632.	3.3	34
48	Valorization of bio-waste material: future dimensions for path towards sustainability. Environmental Sustainability, 2021, 4, 199-200.	1.4	5
49	Numerical simulation of emission gas in coal thermal power plant for sustainable development. Environmental Sustainability, 2021, 4, 385-392.	1.4	0
50	Energetic and exergetic assessment of two- and three-stage spray drying units for milk processing industry. Journal of the Brazilian Society of Mechanical Sciences and Engineering, 2021, 43, 1.	0.8	6
51	Energy, exergy, exergoeconomic and enviroeconomic (4-E) assessment of solar water heater with/without phase change material for building and other applications: A comprehensive review. Sustainable Energy Technologies and Assessments, 2021, 45, 101139.	1.7	26
52	Effect of Molybdenum Disulfide on the Performance of Polyaniline Based Counter Electrode for Dye-Sensitized Solar Cell Applications. Energies, 2021, 14, 3786.	1.6	4
53	Improved Ablative Properties of Nanodiamond-Reinforced Carbon Fiber-Epoxy Matrix Composites. Polymers, 2021, 13, 2035.	2.0	8
54	Performance analysis of a modified solar still using reduced graphene oxide coated absorber plate with activated carbon pellet. Sustainable Energy Technologies and Assessments, 2021, 45, 101046.	1.7	38

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55	Real time experimental performance investigation of a NePCM based photovoltaic thermal system: An energetic and exergetic approach. <i>Renewable Energy</i> , 2021, 172, 71-87.	4.3	46
56	Synthesis and characterization of conducting Polyaniline@cobalt-Paraffin wax nanocomposite as nano-phase change material: Enhanced thermophysical properties. <i>Renewable Energy</i> , 2021, 173, 1057-1069.	4.3	57
57	2-D Mxene flakes as potential replacement for both TCO and Pt layers for Dye-Sensitized Solar cell. <i>Ceramics International</i> , 2021, 47, 27942-27947.	2.3	28
58	Phase change material based advance solar thermal energy storage systems for building heating and cooling applications: A prospective research approach. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 47, 101318.	1.7	28
59	Utilization of solar energy for wastewater treatment: Challenges and progressive research trends. <i>Journal of Environmental Management</i> , 2021, 297, 113300.	3.8	101
60	Sea-water desalination using a desalting unit integrated with a parabolic trough collector and activated carbon pellets as energy storage medium. <i>Desalination</i> , 2021, 516, 115217.	4.0	46
61	A dynamic simulation platform for fault modelling and characterisation of building integrated photovoltaics. <i>Renewable Energy</i> , 2021, 179, 963-981.	4.3	5
62	Immense impact from small particles: Review on stability and thermophysical properties of nanofluids. <i>Sustainable Energy Technologies and Assessments</i> , 2021, 48, 101635.	1.7	12
63	Investigation on thermophysical properties of metallic oxide nanoparticle dispersed in fatty acid. <i>Materials Today: Proceedings</i> , 2021, 47, 2864-2868.	0.9	6
64	Nanoparticles as molten salts thermophysical properties enhancer for concentrated solar power: A critical review. <i>Journal of Energy Storage</i> , 2021, 44, 103280.	3.9	21
65	Silicon Particles/Black Paint Coating for Performance Enhancement of Solar Absorbers. <i>Energies</i> , 2021, 14, 7140.	1.6	7
66	A Predictive Approach to Optimize a HHO Generator Coupled with Solar PV as a Standalone System. <i>Sustainability</i> , 2021, 13, 12110.	1.6	14
67	A Decision Framework for Solar PV Panels Supply Chain in Context of Sustainable Supplier Selection and Order Allocation. <i>Sustainability</i> , 2021, 13, 13216.	1.6	8
68	A Critical Review of Recent Development in Li-Ion Battery Cooling Using Advance Phase Change Materials. <i>ECS Transactions</i> , 2021, 105, 411-418.	0.3	1
69	Thermodynamic and techno-economic analysis of heat pipe ETC water heating system for Indian composite climate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020, 139, 1395-1407.	2.0	5
70	Facile synthesise of transparent hydrophobic nano- CaCO <sub>3</sub> based coatings for self-cleaning and anti-fogging. <i>Materials Chemistry and Physics</i> , 2020, 239, 121913.	2.0	35
71	Thermal performance of phase change material integrated heat pipe evacuated tube solar collector system: An experimental assessment. <i>Energy Conversion and Management</i> , 2020, 203, 112205.	4.4	96
72	Estimation of thermodynamic characteristics for comprehensive dairy food processing plant: An energetic and exergetic approach. <i>Energy</i> , 2020, 194, 116799.	4.5	12

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73	Phase change materials integrated solar thermal energy systems: Global trends and current practices in experimental approaches. <i>Journal of Energy Storage</i> , 2020, 27, 101118.	3.9	76
74	A Novel nanodiamond/Zinc nanocomposite as potential counter electrode for flexible dye sensitized solar cell. <i>Solar Energy</i> , 2020, 197, 1-5.	2.9	25
75	Phase change materials and nano-enhanced phase change materials for thermal energy storage in photovoltaic thermal systems: A futuristic approach and its technical challenges. <i>Renewable and Sustainable Energy Reviews</i> , 2020, 133, 110341.	8.2	67
76	Thermo-physical properties and corrosivity improvement of molten salts by use of nanoparticles for concentrated solar power applications: A critical review. <i>Journal of Molecular Liquids</i> , 2020, 314, 113807.	2.3	28
77	Advancements in PV-thermal systems with and without phase change materials as a sustainable energy solution: energy, exergy and exergoeconomic (3E) analytic approach. <i>Sustainable Energy and Fuels</i> , 2020, 4, 4956-4987.	2.5	30
78	Synthesis of nano-TiO <sub>2</sub> coating systems for solar cell. <i>Pigment and Resin Technology</i> , 2020, 49, 26-32.	0.5	3
79	A novel polyaniline (PANI)/ paraffin wax nano composite phase change material: Superior transition heat storage capacity, thermal conductivity and thermal reliability. <i>Solar Energy</i> , 2020, 204, 448-458.	2.9	95
80	Self-cleaning assisted photovoltaic system with thermal energy storage: Design and performance evaluation. <i>Solar Energy</i> , 2020, 206, 487-498.	2.9	14
81	Long-term thermophysical behavior of paraffin wax and paraffin wax/polyaniline (PANI) composite phase change materials. <i>Journal of Energy Storage</i> , 2020, 31, 101568.	3.9	44
82	PCM integrated glass in glass tube solar collector for low and medium temperature applications: Thermodynamic & techno-economic approach. <i>Energy</i> , 2020, 198, 117238.	4.5	44
83	Pt-TCO free sn-ag-cu ternary alloy as cost effective counter electrode layer for dye sensitized solar cell. <i>Optik</i> , 2020, 206, 164317.	1.4	8
84	Experimental Investigation on Energy Performance of hybrid PV/T-PCM system. , 2019, , .		6
85	Experimental performance evaluation of a novel designed phase change material integrated manifold heat pipe evacuated tube solar collector system. <i>Energy Conversion and Management</i> , 2019, 198, 111896.	4.4	68
86	Bioprocesses for Wastewater Reuse: Closed-Loop System for Energy Options. , 2019, , 121-145.		1
87	Self-cleaning and weather resistance of nano-SnO <sub>2</sub> /modified silicone oil coating for photovoltaic (PV) glass applications. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 12584-12596.	1.1	7
88	Polyaniline-SrTiO <sub>3</sub> nanocube based binary nanocomposite as highly stable electrode material for high performance supercapattery. <i>Ceramics International</i> , 2019, 45, 11428-11437.	2.3	48
89	Exergy and thermoeconomic analysis of cream pasteurisation plant. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 137, 1381-1400.	2.0	10
90	Concentrated photovoltaic thermal systems: A component-by-component view on the developments in the design, heat transfer medium and applications. <i>Energy Conversion and Management</i> , 2019, 186, 15-41.	4.4	86

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91	Transparent self-cleaning coating of modified polydimethylsiloxane (PDMS) for real outdoor application. <i>Progress in Organic Coatings</i> , 2019, 131, 232-239.	1.9	45
92	Energy, exergy and exergoeconomic analysis of high temperature short time milk pasteurisation plant. <i>International Journal of Exergy</i> , 2019, 30, 26.	0.2	7
93	Exergy and thermo-economic analysis of ghee production plant in dairy industry. <i>Energy</i> , 2019, 167, 602-618.	4.5	29
94	Thermal performance analysis of parallel serpentine flow based photovoltaic/thermal (PV/T) system under composite climate of Malaysia. <i>Applied Thermal Engineering</i> , 2019, 153, 861-871.	3.0	92
95	Two side serpentine flow based photovoltaic-thermal-phase change materials (PVT-PCM) system: Energy, exergy and economic analysis. <i>Renewable Energy</i> , 2019, 136, 1320-1336.	4.3	166
96	Experimental studies on zeta potential of flocculants for harvesting of algae. <i>Journal of Environmental Management</i> , 2019, 231, 562-569.	3.8	59
97	Thermal and exergoeconomic analysis of a dairy food processing plant. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 136, 1365-1382.	2.0	23
98	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.	1.4	15
99	Energy, exergy and exergoeconomic analysis of high temperature short time milk pasteurisation plant. <i>International Journal of Exergy</i> , 2019, 30, 26.	0.2	0
100	Advances in approaches and methods for self-cleaning of solar photovoltaic panels. <i>Solar Energy</i> , 2018, 162, 597-619.	2.9	172
101	Experiment-based thermodynamic feasibility with co-digestion of nutrient-rich biowaste materials for biogas production. <i>3 Biotech</i> , 2018, 8, 34.	1.1	5
102	Improved electron density through hetero-junction binary sensitized TiO <sub>2</sub> / CdTe / D719 system as photoanode for dye sensitized solar cell. <i>Physica E: Low-Dimensional Systems and Nanostructures</i> , 2018, 101, 139-143.	1.3	16
103	Improved electron transfer of TiO <sub>2</sub> based dye sensitized solar cells using Ge as sintering aid. <i>Optik</i> , 2018, 157, 134-140.	1.4	22
104	Novel approaches and recent developments on potential applications of phase change materials in solar energy. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 82, 281-323.	8.2	321
105	Effect of Nanodiamonds on the Optoelectronic Properties of TiO <sub>2</sub> Photoanode in Dye-Sensitized Solar Cell. <i>Arabian Journal for Science and Engineering</i> , 2018, 43, 3515-3519.	1.7	16
106	The Effects of Graphene on Microstructural and Thermal Properties of Calcium Chloride Hexahydrate PCM. , 2018, , .		2
107	Preparation of Fuel Pellets and Extraction of Natural Dyes from Falling Leaves to be used as Sensitizer in Dye Sensitized Solar Cell. , 2018, , .		1
108	The Metal Oxide Nanoparticles doped Polyaniline based Nanocomposite as Stable Electrode Material for Supercapacitors. , 2018, , .		4

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109	Superior self-cleaning glass through hydrophobic and superhydrophilic coating for outdoor applications. , 2018, , .		0
110	Superhydrophilic Smart Coating for Self-Cleaning Application on Glass Substrate. Journal of Nanomaterials, 2018, 2018, 1-10.	1.5	39
111	Effect of Germanium on the TiO <sub>2</sub> Photoanode for Dye Sensitized Solar Cell Applications. A Potential Sintering Aid. IOP Conference Series: Materials Science and Engineering, 2018, 358, 012015.	0.3	3
112	Enhanced Current Density Through Addition of CdTe in TiO <sub>2</sub> Based Photoanode for DSSCs. , 2018, , .		1
113	A comprehensive review on counter electrodes for dye sensitized solar cells: A special focus on Pt-TCO free counter electrodes. Solar Energy, 2018, 174, 1097-1125.	2.9	116
114	Energy Storage by PCM for Building Applications. , 2018, , 995-1023.		1
115	Global advancement on experimental and thermal analysis of evacuated tube collector with and without heat pipe systems and possible applications. Applied Energy, 2018, 228, 351-389.	5.1	113
116	Optimization of melting and solidification processes of PCM: Application to integrated collector storage solar water heaters (ICSSWH). Solar Energy, 2018, 171, 562-570.	2.9	56
117	Chemical sintering of TiO <sub>2</sub> based photoanode for efficient dye sensitized solar cells using Zn nanoparticles. Ceramics International, 2018, 44, 18444-18449.	2.3	28
118	Energy Storage by PCM for Building Applications. , 2018, , 1-29.		1
119	Towards the plasmonic effect of Zn nanoparticles on TiO <sub>2</sub> monolayer photoanode for dye sensitized solar cell applications. Materials Letters, 2017, 195, 62-65.	1.3	27
120	Solar Photovoltaics (PV): A Sustainable Solution to Solve Energy Crisis. , 2017, , 157-178.		3
121	Advancements in the development of TiO <sub>2</sub> photoanodes and its fabrication methods for dye sensitized solar cell (DSSC) applications. A review. Renewable and Sustainable Energy Reviews, 2017, 77, 89-108.	8.2	352
122	Low-RF-power growth of InN thin films by plasma-assisted reactive evaporation with a localized ion source. Materials Chemistry and Physics, 2017, 199, 408-415.	2.0	11
123	Microalgal cultivation for value-added products: a critical enviro-economical assessment. 3 Biotech, 2017, 7, 243.	1.1	77
124	A novel method to harvest Chlorella sp. via low cost bioflocculant: Influence of temperature with kinetic and thermodynamic functions. Bioresource Technology, 2017, 225, 84-89.	4.8	52
125	The Hybrid Solar Power/Wind System for Energy Production, Observation, Application, and Simulation. , 2017, , 337-368.		1
126	Global advancement of cooling technologies for PV systems: A review. Solar Energy, 2016, 137, 25-45.	2.9	259



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127	Recent progresses and achievements in photovoltaic-phase change material technology: A review with special treatment on photovoltaic thermal-phase change material systems. Energy Conversion and Management, 2016, 126, 177-204.	4.4	139
128	Recent advances in solar photovoltaic systems for emerging trends and advanced applications. Renewable and Sustainable Energy Reviews, 2016, 53, 859-884.	8.2	239
129	Thermal performance assessment of encapsulated PCM based thermal management system to reduce peak energy demand in buildings. Energy and Buildings, 2016, 117, 44-52.	3.1	75
130	Role of smart grid in renewable energy: An overview. Renewable and Sustainable Energy Reviews, 2016, 60, 1168-1184.	8.2	265
131	Thermal and economic analysis of low-cost modified flat-plate solar water heater with parallel two-side serpentine flow. Journal of Thermal Analysis and Calorimetry, 2016, 123, 793-806.	2.0	37
132	Thermal performance evaluation of direct flow solar water heating system using exergetic approach. Journal of Thermal Analysis and Calorimetry, 2015, 121, 1365-1373.	2.0	28
133	Thermodynamics and performance evaluation of encapsulated PCM-based energy storage systems for heating application in building. Journal of Thermal Analysis and Calorimetry, 2014, 115, 915-924.	2.0	36
134	Energy and exergy analysis of typical renewable energy systems. Renewable and Sustainable Energy Reviews, 2014, 30, 105-123.	8.2	205
135	Different aspects of dry anaerobic digestion for bio-energy: An overview. Renewable and Sustainable Energy Reviews, 2014, 39, 174-195.	8.2	255
136	Experimental study and performance evaluation of various cook stove models based on energy and exergy analysis. Journal of Thermal Analysis and Calorimetry, 2013, 111, 1791-1799.	2.0	28
137	Exergetic analysis and parametric study of multi-crystalline solar photovoltaic system at a typical climatic zone. Clean Technologies and Environmental Policy, 2013, 15, 333-343.	2.1	28
138	Exergy and energy analyses of two different types of PCM based thermal management systems for space air conditioning applications. Energy Conversion and Management, 2013, 69, 1-8.	4.4	36
139	Year round performance and parametric study of thin film solar photovoltaic system. , 2013, , .		0
140	Comparative study based on exergy analysis of solar air heater collector using thermal energy storage. International Journal of Energy Research, 2012, 36, 724-736.	2.2	46
141	Comparative experimental study of solar cookers using exergy analysis. Journal of Thermal Analysis and Calorimetry, 2012, 109, 425-431.	2.0	57
142	Formation, potential and abatement of plume from wet cooling towers: A review. Renewable and Sustainable Energy Reviews, 2012, 16, 3409-3429.	8.2	38
143	Thermal performance evaluation of a solar air heater with and without thermal energy storage. Journal of Thermal Analysis and Calorimetry, 2012, 107, 1345-1352.	2.0	85
144	Phytosociological study of vegetation of some selected arid region of the Thar desert of Rajasthan, India. Current World Environment Journal, 2010, 5, 51-58.	0.2	0

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145	Effect of concentration of MoS <sub>2</sub> on the TCO-Pt free polyaniline nano-rod based counter electrode for dye sensitised solar cell application. <i>Materials Technology</i> , 0, , 1-9.	1.5	1
146	Response surface methodologyâ€‘based extraction optimization with application of ZrCl <sub>4</sub> as novel quenching agent for enhancement of bio-oil yield from <i>Jatropha curcas</i> and <i>Chlorella pyrenoidosa</i> . <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	2.9	1
147	Estimation of thermodynamic and enviroeconomic characteristics of khoa (milk food) production unit. <i>Environment, Development and Sustainability</i> , 0, , 1.	2.7	0
148	Influence of various functional groups in graphene on the mechanical and interfacial properties of epoxy nanocomposites: A review on molecular modeling and MD simulations. <i>International Journal of Computational Materials Science and Engineering</i> , 0, , .	0.5	0