

H H Al-Kayiem

List of Publications by Year in descending order

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202
papers

2,787
citations

172207

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203
docs citations

203
times ranked

2190
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of copper nanoparticles and Paraffin wax compositions for solar thermal energy storage. <i>Solar Energy</i> , 2016, 132, 267-278.	2.9	212
2	Performance evaluation of a solar water heater integrated with a PCM nanocomposite TES at various inclinations. <i>Solar Energy</i> , 2014, 109, 82-92.	2.9	135
3	Power management optimization of hybrid solar photovoltaic-battery integrated with pumped-hydro-storage system for standalone electricity generation. <i>Energy Conversion and Management</i> , 2020, 215, 112942.	4.4	89
4	Historic and recent progress in solar chimney power plant enhancing technologies. <i>Renewable and Sustainable Energy Reviews</i> , 2016, 58, 1269-1292.	8.2	75
5	Review of municipal solid waste management options in Malaysia, with an emphasis on sustainable waste-to-energy options. <i>Journal of Material Cycles and Waste Management</i> , 2014, 16, 693-710.	1.6	64
6	Experimental investigation and evaluation of hybrid solar/thermal dryer combined with supplementary recovery dryer. <i>Solar Energy</i> , 2016, 134, 284-293.	2.9	64
7	Study on the Thermal Accumulation and Distribution Inside a Parked Car Cabin. <i>American Journal of Applied Sciences</i> , 2010, 7, 784-789.	0.1	62
8	Potential of Renewable Energy Resources with an Emphasis on Solar Power in Iraq: An Outlook. <i>Resources</i> , 2019, 8, 42.	1.6	62
9	Mathematical analysis of the influence of the chimney height and collector area on the performance of a roof top solar chimney. <i>Energy and Buildings</i> , 2014, 68, 305-311.	3.1	60
10	Performance enhancement of free convective solar air heater by pin protrusions on the absorber. <i>Solar Energy</i> , 2017, 151, 173-185.	2.9	57
11	Velocity calibration relationships for hot-wire anemometry. <i>Journal of Physics E: Scientific Instruments</i> , 1988, 21, 225-232.	0.7	50
12	Assessment of standalone solar PV-Battery system for electricity generation and utilization of excess power for water pumping. <i>Solar Energy</i> , 2019, 194, 766-776.	2.9	50
13	Nanoadditives induced enhancement of the thermal properties of paraffin-based nanocomposites for thermal energy storage. <i>Solar Energy</i> , 2016, 135, 644-653.	2.9	49
14	Experimental and numerical analysis of the influence of inlet configuration on the performance of a roof top solar chimney. <i>Energy and Buildings</i> , 2018, 159, 89-98.	3.1	49
15	Review on Nanomaterials for Thermal Energy Storage Technologies. <i>Nanoscience and Nanotechnology - Asia</i> , 2013, 3, 60-71.	0.3	47
16	Syntactic foams formulations, production techniques, and industry applications: a review. <i>Journal of Materials Research and Technology</i> , 2020, 9, 10698-10718.	2.6	47
17	Influence of alkali-surfactant-polymer flooding on the coalescence and sedimentation of oil/water emulsion in gravity separation. <i>Journal of Petroleum Science and Engineering</i> , 2019, 173, 640-649.	2.1	45
18	Performance evaluation of hybrid solar chimney for uninterrupted power generation. <i>Energy</i> , 2019, 166, 490-505.	4.5	44

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19	Red-mud geopolymer composite encapsulated phase change material for thermal comfort in built-sector. <i>Solar Energy</i> , 2019, 181, 464-474.	2.9	42
20	Statistical assessment of experimental observation on the slug body length and slug translational velocity in a horizontal pipe. <i>International Journal of Heat and Mass Transfer</i> , 2017, 105, 252-260.	2.5	40
21	Comparative critique on the design parameters and their effect on the performance of S-rotors. <i>Renewable Energy</i> , 2016, 99, 1306-1317.	4.3	38
22	One-way coupled fluid-structure interaction of gas-liquid slug flow in a horizontal pipe: Experiments and simulations. <i>Journal of Fluids and Structures</i> , 2020, 97, 103083.	1.5	37
23	On the natural convection heat transfer in a rectangular passage solar air heater. <i>Solar Energy</i> , 2015, 112, 310-318.	2.9	36
24	Review on the Enhancement Techniques and Introduction of an Alternate Enhancement Technique of Solar Chimney Power Plant. <i>Journal of Applied Sciences</i> , 2011, 11, 1877-1884.	0.1	34
25	Experimental Investigation on the Performance Enhancement of Integrated PCM-Flat Plate Solar Collector. <i>Journal of Applied Sciences</i> , 2012, 12, 2390-2396.	0.1	33
26	Measurement of global and direct normal solar energy radiation in Seri Iskandar and comparison with other cities of Malaysia. <i>Case Studies in Thermal Engineering</i> , 2020, 18, 100591.	2.8	31
27	Experimental investigation on the effect of PCM and nano-enhanced PCM of integrated solar collector performance. <i>WIT Transactions on Ecology and the Environment</i> , 2013, , .	0.0	31
28	Simulation of the Cuttings Cleaning During the Drilling Operation. <i>American Journal of Applied Sciences</i> , 2010, 7, 800-806.	0.1	30
29	Experimental characterization and comparison of performance parameters of S-rotors for standalone wind power system. <i>Energy</i> , 2017, 138, 752-763.	4.5	30
30	Performance investigation on a thermal energy storage integrated solar collector system using nanofluid. <i>International Journal of Energy Research</i> , 2017, 41, 650-657.	2.2	30
31	Flow structures and their impact on single and dual inlets hydrocyclone performance for oil-water separation. <i>Journal of Petroleum Exploration and Production</i> , 2019, 9, 2943-2952.	1.2	29
32	Measurements of translational slug velocity and slug length using an image processing technique. <i>Flow Measurement and Instrumentation</i> , 2016, 50, 112-120.	1.0	28
33	A comparative analysis on the uniformity enhancement methods of solar thermal drying. <i>Energy</i> , 2018, 148, 1103-1115.	4.5	25
34	Evaluation of Alkali/Surfactant/Polymer Flooding on Separation and Stabilization of Water/Oil Emulsion by Statistical Modeling. <i>Energy & Fuels</i> , 2017, 31, 9290-9301.	2.5	24
35	Calibration and analysis of X hot-wire probe signals. <i>Measurement Science and Technology</i> , 1990, 1, 782-785.	1.4	22
36	Thermophysical Properties of Nanoparticles-Phase Change Material Compositions for Thermal Energy Storage. <i>Applied Mechanics and Materials</i> , 0, 232, 127-131.	0.2	22

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37	Investigations on the slug two-phase flow in horizontal pipes: Past, presents, and future directives. <i>Chemical Engineering Science</i> , 2021, 238, 116611.	1.9	22
38	Analytical Solution for Simply Supported and Multilayered Magneto-Thermo-Electro-Elastic Plates. <i>Asian Journal of Scientific Research</i> , 2013, 6, 236-244.	0.3	21
39	Flow uniformity assessment in a multi-chamber cabinet of a hybrid solar dryer. <i>Solar Energy</i> , 2021, 224, 823-832.	2.9	20
40	A comparative study of dispersed and grafted nanofluids of graphene nanoplatelets with natural polymer in high salinity brine for enhanced oil recovery. <i>Journal of Petroleum Science and Engineering</i> , 2022, 210, 110004.	2.1	20
41	Dynamic analysis of laminated composite thermo-magneto-electro-elastic shells. <i>Journal of Mechanical Science and Technology</i> , 2014, 28, 4877-4891.	0.7	19
42	Solar-biomass hybrid dryer enhanced by the Co-Gen technique. <i>Drying Technology</i> , 2016, 34, 287-295.	1.7	19
43	Computational fluid dynamics simulation of blood flow profile and shear stresses in bileaflet mechanical heart valve by using monolithic approach. <i>Simulation</i> , 2018, 94, 93-104.	1.1	19
44	Mathematical evaluation of solar chimney power plant collector, integrated with external heat source for non-interrupted power generation. <i>Sustainable Energy Technologies and Assessments</i> , 2018, 30, 59-67.	1.7	19
45	Natural polymer non-covalently grafted graphene nanoplatelets for improved oil recovery process: A micromodel evaluation. <i>Journal of Molecular Liquids</i> , 2020, 310, 113076.	2.3	19
46	Solar vortex engine: Experimental modelling and evaluation. <i>Renewable Energy</i> , 2018, 121, 389-399.	4.3	18
47	Energetic and Exergetic Performance of a Solar Flat-Plate Collector Working With Cu Nanofluid. <i>Journal of Solar Energy Engineering, Transactions of the ASME</i> , 2018, 140, .	1.1	18
48	Upper limits for the work extraction by nanofluid-filled selective flat-plate solar collectors. <i>Energy</i> , 2018, 160, 875-885.	4.5	18
49	Effect of slug flow frequency on the mechanical stress behavior of pipelines. <i>International Journal of Pressure Vessels and Piping</i> , 2019, 172, 1-9.	1.2	18
50	Experimental investigation of the separation performance of oil/water mixture by compact conical axial hydrocyclone. <i>Thermal Science and Engineering Progress</i> , 2020, 17, 100358.	1.3	18
51	Performance enhancement of axial concurrent liquid-liquid hydrocyclone separator through optimization of the swirler vane angle. <i>Journal of Petroleum Exploration and Production</i> , 2020, 10, 2957-2967.	1.2	18
52	Thermal behavior of encapsulated phase change material energy storage. <i>Journal of Renewable and Sustainable Energy</i> , 2012, 4, 013112.	0.8	17
53	Survey of invest fuel magnetization in developing internal combustion engine characteristics. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 1392-1399.	8.2	17
54	Design of a Biomass Burner/Gas-to-gas Heat Exchanger for Thermal Backup of a Solar Dryer. <i>Journal of Applied Sciences</i> , 2011, 11, 1929-1936.	0.1	16

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55	Velocity component measurements by X hot-wire anemometry. <i>Measurement Science and Technology</i> , 1990, 1, 1314-1321.	1.4	15
56	An integrated program of a stand-alone parabolic trough solar thermal power plant: Code description and test. <i>Case Studies in Thermal Engineering</i> , 2018, 12, 26-37.	2.8	15
57	Influence of canopy condensate film on the performance of solar chimney power plant. <i>Renewable Energy</i> , 2019, 136, 1012-1021.	4.3	15
58	Characterization and stability analysis of oil-based copper oxide nanofluids for medium temperature solar collectors. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2019, 50, 311-319.	0.5	15
59	A Comparative Review on Greenery Ecosystems and Their Impacts on Sustainability of Building Environment. <i>Sustainability</i> , 2020, 12, 8529.	1.6	13
60	Performance enhancement of solar vortex power generator by Al ₂ O ₃ -in-black paint coating. <i>Journal of Cleaner Production</i> , 2021, 316, 128303.	4.6	13
61	Drying of Empty Fruit Bunches as Wasted Biomass by Hybrid Solar-Thermal Drying Technique. <i>Journal of Mechanical Engineering and Sciences</i> , 2013, 5, 652-661.	0.3	13
62	A review of convective and artificial vortices for power generation. <i>International Journal of Sustainable Development and Planning</i> , 2015, 10, 650-665.	0.3	13
63	De-Emulsification and Gravity Separation of Micro-Emulsion Produced with Enhanced Oil Recovery Chemicals Flooding. <i>Energies</i> , 2021, 14, 2249.	1.6	12
64	Simulation of solar chimney power plant with an external heat source. <i>IOP Conference Series: Earth and Environmental Science</i> , 2013, 16, 012080.	0.2	11
65	Environmental Risk Mitigation by Biodiesel Blending from <i>Eichhornia crassipes</i> : Performance and Emission Assessment. <i>Sustainability</i> , 2021, 13, 8274.	1.6	11
66	Energy management strategy of hybrid solar-hydro system with various probabilities of power supply loss. <i>Solar Energy</i> , 2022, 233, 230-245.	2.9	11
67	Free Vibration Analysis of Structronics Shell. <i>Communications in Computer and Information Science</i> , 2012, , 322-330.	0.4	10
68	Overview of Hazardous Waste Management Status in Malaysia. , 0, , .		10
69	A Technique for Localized Rapid Soot Oxidation Using Metal Aided Microwave Radiation. <i>IEEE Transactions on Microwave Theory and Techniques</i> , 2016, 64, 37-43.	2.9	10
70	Review and comparative analysis of vortex generation systems for sustainable electric power production. <i>IET Renewable Power Generation</i> , 2017, 11, 1613-1624.	1.7	10
71	Experimental investigation and mathematical modeling of oil/water emulsion separation effectiveness containing alkali-surfactant-polymer. <i>Journal of Dispersion Science and Technology</i> , 2021, 42, 1286-1298.	1.3	10
72	Numerical simulation of solar chimney integrated with exhaust of thermal power plant. <i>WIT Transactions on Engineering Sciences</i> , 2012, , .	0.0	10

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73	Investigation on The Particle Settling Velocity in Non-Newtonian Fluids. Journal of Applied Sciences, 2011, 11, 1528-1535.	0.1	10
74	Stabilization of Produced Crude Oil Emulsion in the Presence of ASP. , 2015, , .		9
75	On the Influence of Collector Size on the Solar Chimneys Performance. MATEC Web of Conferences, 2017, 131, 02011.	0.1	9
76	Optical Performance Analysis of Single Flow Through and Concentric Tube Receiver Coupled with a Modified CPC Collector Under Different Configurations. Energies, 2019, 12, 4147.	1.6	9
77	State of the Art of Techno-Economics of Nanofluid-Laden Flat-Plate Solar Collectors for Sustainable Accomplishment. Sustainability, 2020, 12, 9119.	1.6	9
78	Experimental evaluation of thermophysical properties of oil-based titania nanofluids for medium temperature solar collectors. Materialwissenschaft Und Werkstofftechnik, 2020, 51, 792-802.	0.5	9
79	Molecular dynamics of binary deep eutectic solvents as biocompatible working fluids in heat and mass transfer systems. Journal of Molecular Liquids, 2021, 342, 117493.	2.3	9
80	Vortex field simulation and analysis of a solar updraft power engine. , 2016, , .		9
81	Simulation of a collector using waste heat energy in a solar chimney power plant system. WIT Transactions on Ecology and the Environment, 2013, , .	0.0	9
82	Experimental investigation of the effect of wind speed and wind direction on a solar chimney power plant. WIT Transactions on Ecology and the Environment, 2013, , .	0.0	9
83	Artificial Intelligent System for Steam Boiler Diagnosis based on Superheater Monitoring. Journal of Applied Sciences, 2011, 11, 1566-1572.	0.1	9
84	Soot Reduction Strategy: A Review. Journal of Applied Sciences, 2012, 12, 2338-2345.	0.1	9
85	Effect of thermal cycling with various heating rates on the performance of thermoelectric modules. International Journal of Thermal Sciences, 2022, 178, 107601.	2.6	9
86	Evaluation of a flying X hot-wire probe system. Measurement Science and Technology, 1991, 2, 374-380.	1.4	8
87	The transverse shear deformation behaviour of magneto-electro-elastic shell. Journal of Mechanical Science and Technology, 2016, 30, 77-87.	0.7	8
88	Investigation of thermal behaviour, pressure drop, and pumping power in a Cu nanofluid-filled solar flat-plate collector. MATEC Web of Conferences, 2017, 131, 01003.	0.1	8
89	Performance and emissions investigation of a single cylinder diesel engine using enhanced blend biodiesel by nanoparticles. AIP Conference Proceedings, 2018, , .	0.3	8
90	Investigation on the Possibility of Increasing the Environmental Safety and Fuel Efficiency of Vehicles by Means of Gasoline Nano-Additive. Sustainability, 2019, 11, 2165.	1.6	8

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91	Assessment of condensation and thermal control in a photovoltaic panel by PV/T and ground heat exchanger. Solar Energy, 2021, 221, 502-511.	2.9	8
92	Mathematical Modeling of a developed Central Receiver Based on Evacuated Solar Tubes. MATEC Web of Conferences, 2016, 38, 02005.	0.1	7
93	Prediction of the phase distribution of diesel/CNG bubbly flow in a horizontal pipe under the influence of a magnetic field. Journal of Mechanical Science and Technology, 2017, 31, 5299-5309.	0.7	7
94	Thermal Comfort Assessment of an Office Building in Tropical Climate Condition. MATEC Web of Conferences, 2018, 225, 01003.	0.1	7
95	Comparison of different turbulence models in pipe flow of various Reynolds numbers. AIP Conference Proceedings, 2018, , .	0.3	7
96	Optimization of coiled tubing nozzle for sand removal from wellbore. Journal of Petroleum Exploration and Production, 2020, 10, 53-66.	1.2	7
97	NUMERICAL ASSESSMENT OF SOLAR UPDRAFT POWER PLANT INTEGRATED WITH EXTERNAL HEAT SOURCES. WIT Transactions on Ecology and the Environment, 2017, , .	0.0	7
98	CFD modeling of artificial vortex air generator for green electric power. MATEC Web of Conferences, 2017, 131, 02009.	0.1	6
99	Dynamic Responses of Magneto-Thermo-Electro-Elastic Shell Structures with Closed-Circuit Surface Condition. Journal of Applied Sciences, 2012, 12, 2541-2547.	0.1	6
100	Thermal field study and analysis in hybrid solar flue gas chimney power plant. , 2011, , .		5
101	Numerical Simulation of High Frequency Electromagnetic Wave in Microwave Cavity for Soot Oxidation. Applied Mechanics and Materials, 0, 459, 310-318.	0.2	5
102	Flow control in s-shaped air intake diffuser of gas turbine using proposed energy promoters. MATEC Web of Conferences, 2017, 131, 02006.	0.1	5
103	The role of nanomaterials in the enhancement of non-concentrating solar collectors technology. Materialwissenschaft Und Werkstofftechnik, 2018, 49, 435-441.	0.5	5
104	Concentrated solar tower hybrid evacuated tube“photovoltaic/thermal receiver with a non-imaging optic reflector: A case study. Journal of Cleaner Production, 2021, 298, 126683.	4.6	5
105	On the Nano-Additive Enhanced Flat Plate Solar Collector Integrated with Thermal Energy Storage. Nanoscience and Nanotechnology - Asia, 2017, 7, .	0.3	5
106	Numerical simulation and pressure drop prediction of slug flow in oil/gas pipelines. WIT Transactions on Engineering Sciences, 2015, , .	0.0	5
107	A review of the vortex engine. WIT Transactions on Ecology and the Environment, 2013, , .	0.0	5
108	Analytical Analysis of Roof Top Solar Chimney for Power Generation. Journal of Applied Sciences, 2011, 11, 1741-1748.	0.1	5

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109	Numerical Analysis of Thermal and Elastic Stresses in Thick Pressure Vessels for Cryogenic Hydrogen Storage Apparatus. Journal of Applied Sciences, 2011, 11, 1756-1762.	0.1	5
110	Developing Novel Wellbore Heat Transfer Strategies for HPHT Wells. , 2012, , .		4
111	Analytical investigation of collector optimum tilt angle at low latitude. Journal of Renewable and Sustainable Energy, 2013, 5, 063112.	0.8	4
112	Simulation of Hybrid Solar Dryer. IOP Conference Series: Earth and Environmental Science, 2013, 16, 012143.	0.2	4
113	Experimental Investigations on the Characteristics of Biomass and Coal-Biomass Fuel Briquettes. Advanced Materials Research, 0, 683, 246-249.	0.3	4
114	Performance Analysis of Integrated Collector System with Immersed Coil Heat Exchanger. Applied Mechanics and Materials, 2014, 660, 740-744.	0.2	4
115	Numerical analyses for improved hydrodynamics of deep water torpedo anchor. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012059.	0.3	4
116	Optimizing electro-thermo Holds for soot oxidation using microwave heating and metal. IOP Conference Series: Materials Science and Engineering, 2015, 78, 012018.	0.3	4
117	Modeling of diesel/CNG mixing in a pre-injection chamber. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012044.	0.3	4
118	Numerical analysis of solar updraft power plant integrated with external heat source. MATEC Web of Conferences, 2017, 131, 01004.	0.1	4
119	Mathematical Modeling of the Flow of Diesel-CNG Fuel Mixture in a Pipe under the Influence of a Magnetic Field. Journal of Applied Fluid Mechanics, 2017, 10, 389-396.	0.4	4
120	Review and Evaluation of Municipal Solid Waste Management Practices in Malaysia. Journal of Solid Waste Technology and Management, 2014, 40, 215-232.	0.2	4
121	Rudimentary Assessment of Waste-to-Wealth of Used Tires Crumbs in Thermal Energy Storage. Recycling, 2022, 7, 40.	2.3	4
122	REGULATIONS FOR EFFICIENCY ASSESSMENT OF INVESTMENT PROJECTS IN THE ENERGY SECTOR: BRIEF OVERVIEW AND COMPARATIVE ANALYSIS. WIT Transactions on Ecology and the Environment, 2022, , .	0.0	4
123	Simulation of incident solar power input to fixed target of central receiver system in Malaysia. , 2013, , .		3
124	Investigation of Evacuated Tube Collector Performance at High Temperature Mode Using TRNSYS Simulation Model. Applied Mechanics and Materials, 0, 465-466, 155-160.	0.2	3
125	Numerical Study of Water Control with Downhole Oil-Water Separation Technology. MATEC Web of Conferences, 2014, 13, 02029.	0.1	3
126	Design and modeling of solar parabolic trough power plant with MATLAB. MATEC Web of Conferences, 2017, 131, 02008.	0.1	3

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127	Development of multi chamber technique to improve the uniformity in drying application. AIP Conference Proceedings, 2018, , .	0.3	3
128	CFD Analysis of Hybrid Solar Chimney Power Plant. MATEC Web of Conferences, 2018, 225, 04011.	0.1	3
129	Performance Evaluation of a Modified Compound Parabolic Concentrating Collector with Varying Concentration Ratio. Heat Transfer Engineering, 2021, 42, 1117-1131.	1.2	3
130	Experimental dataset on the dispersion stability of natural polymer non-covalently functionalized graphene nanoplatelets in high salinity brines. Data in Brief, 2020, 31, 105702.	0.5	3
131	A comparative study on the hydrodynamics of liquidâ€“liquid hydrocyclonic separation. WIT Transactions on Engineering Sciences, 2014, , .	0.0	3
132	ANALYSIS OF GROUND THERMAL CONTROL SYSTEMS FOR SOLAR PHOTOVOLTAIC PERFORMANCE ENHANCEMENT. , 2020, , .		3
133	Large eddy simulation of near-wall turbulent flow over streamlined riblet-structured surface for drag reduction in a rectangular channel. Thermal Science, 2020, 24, 2793-2808.	0.5	3
134	Multidimensional minimization training algorithms for steam boiler drum level trip using artificial intelligent monitoring system. , 2010, , .		2
135	Reducing the magneto-electro-elastic. , 2011, , .		2
136	Analysis of electro/mgneto-mechanical coupling factor: In laminated composite plate construct fromrotated Y-cut crystals. , 2011, , .		2
137	Finite Element Analysis of Fatigue in Pipelines due to Slug Flow. Advanced Materials Research, 0, 845, 271-276.	0.3	2
138	Simulation and Evaluation of Small Scale Solar Power Tower Performance under Malaysia Weather Conditions. IOP Conference Series: Earth and Environmental Science, 2013, 16, 012031.	0.2	2
139	Simulation analysis of the oil/water structure in the downhole with presence of hydrocyclone separator. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012025.	0.3	2
140	Performance investigation of the S-Rotors. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012043.	0.3	2
141	The influence of the equivalent hydraulic diameter on the pressure drop prediction of annular test section. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012049.	0.3	2
142	Numerical Simulation of the Transient Development of Slug Flow in Horizontal Pipes. Applied Mechanics and Materials, 0, 819, 300-304.	0.2	2
143	Design and modelling of novel evacuated receiver tube of concentration solar power system by using heliostat stadium arrangement. MATEC Web of Conferences, 2017, 131, 02002.	0.1	2
144	Experimental data for the slug two-phase flow characteristics in horizontal pipeline. Data in Brief, 2018, 16, 527-530.	0.5	2

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145	Effect of Tube Diameter on The Design of Heat Exchanger in Solar Drying system. IOP Conference Series: Materials Science and Engineering, 2018, 328, 012028.	0.3	2
146	Computational analysis of the inflow air slot size influence on solar vortex generator performance. MATEC Web of Conferences, 2018, 225, 04013.	0.1	2
147	Modeling of the Waxing-dewaxing Process in Scraped Surface Exchangers. Journal of Applied Sciences, 2011, 11, 1594-1599.	0.1	2
148	Experimental Characterization of Diesel Engine Performance Fuelled By Various Sunflower Oil-Diesel Mixtures. Journal of Applied Sciences, 2012, 12, 2604-2609.	0.1	2
149	Multidimensional minimization training algorithms for steam boiler high temperature superheater trip using artificial intelligence monitoring system. , 2010, , .		1
150	An investigation of integrated flat plate solar collector: Experimental measurement. , 2011, , .		1
151	Effect of Induced Vibration on the Blood Flow Properties in a Mechanical Aortic Valve. MATEC Web of Conferences, 2014, 13, 02022.	0.1	1
152	Theoretical background and the flow fields in downhole liquid-liquid hydrocyclone (LLHC). MATEC Web of Conferences, 2014, 13, 02032.	0.1	1
153	Numerical Simulation of Microwave Heating for Soot Oxidation. Applied Mechanics and Materials, 0, 564, 256-262.	0.2	1
154	Design and Simulation of Small Heliostat Field at Universiti Teknologi PETRONAS Campus. Applied Mechanics and Materials, 0, 699, 613-618.	0.2	1
155	Evaluation of hybrid solar " biomass dryer with no load. MATEC Web of Conferences, 2014, 13, 06007.	0.1	1
156	On-Line Condition Monitoring System for High Level Trip Water in Steam Boiler's Drum. MATEC Web of Conferences, 2014, 13, 03011.	0.1	1
157	A Three Dimensional Performance Analysis of a Developed Evacuated Tube Collector using a CFD Fluent Solar Load Model. MATEC Web of Conferences, 2014, 13, 06011.	0.1	1
158	Numerical analysis of cocurrent conical and cylindrical axial cyclone separators. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012054.	0.3	1
159	Numerical studies on the separation performance of liquid- liquid Hydrocyclone for higher water-cut wells. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012014.	0.3	1
160	The heavy metal free-near infrared "CuInSeS/ZnS" core/shell quantum dot and its application in luminescent solar concentrator. AIP Conference Proceedings, 2018, , .	0.3	1
161	Experimental and numerical analysis of different flow modifier on the reversal flow region in s-shaped aggressive diffuser. AIP Conference Proceedings, 2018, , .	0.3	1
162	Magneto-hydrodynamics of bubbly flow in horizontal pipe: New criteria through numerical simulation. AIP Conference Proceedings, 2018, , .	0.3	1

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163	Rudimentary analysis for solar chimney enhancement. IOP Conference Series: Materials Science and Engineering, 2020, 863, 012063.	0.3	1
164	Influence of non-covalently functionalized graphene nanoplatelets on viscosity and wettability for improved oil mobility at reservoir conditions. IOP Conference Series: Materials Science and Engineering, 2020, 863, 012024.	0.3	1
165	Ribbed double pipe heat exchanger: experimental analysis. WIT Transactions on Engineering Sciences, 2014, , .	0.0	1
166	Design and performance investigation of a thermal back-up system for hybrid drying. , 2013, , .		1
167	Performance Prediction Procedures of the Supersonic Spiked Intakes. Asian Journal of Scientific Research, 2011, 4, 224-235.	0.3	1
168	Analysis of the Temperature Distribution in GT Blade Cooled by Compressed Air. Journal of Applied Sciences, 2011, 11, 1733-1740.	0.1	1
169	Performance enhancement of rotary air preheater by the use of pin shaped turbulators. , 2010, , .		1
170	Energy sustainability through integrated solar thermal systems. WIT Transactions on Ecology and the Environment, 2013, , .	0.0	1
171	Sustaining thermal power plant production in low water supply regions using cooling towers. WIT Transactions on Ecology and the Environment, 2014, , .	0.0	1
172	A Computer Aided Manufacturing Procedure for Experimental Two-Dimensional Aerofoils. Proceedings of the Institution of Mechanical Engineers, Part G: Journal of Aerospace Engineering, 1989, 203, 139-144.	0.7	0
173	Data acquisition and control system for on-line measurement and analysis of complex flow fields. , 2010, , .		0
174	Numerical model to simulate wax crystallization in: Scraped surface heat exchangers. , 2011, , .		0
175	Modeling of wax crystallization in production of lube oil base stock in solvent dewaxing. , 2011, , .		0
176	Coupled Analytical-Numerical Procedure to Solve the Double Wedge Spiked Supersonic Intake Flow Field. Applied Mechanics and Materials, 0, 225, 67-72.	0.2	0
177	Experimental Investigation of Thermal Conductivity of Paraffin Based Nanocomposite for TES. Applied Mechanics and Materials, 0, 465-466, 181-185.	0.2	0
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