

# H H Al-Kayiem

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5289344/publications.pdf>

Version: 2024-02-01

202  
papers

2,787  
citations

172207

29  
h-index

243296

44  
g-index

203  
all docs

203  
docs citations

203  
times ranked

2190  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	Effect of thermal cycling with various heating rates on the performance of thermoelectric modules. <i>International Journal of Thermal Sciences</i> , 2022, 178, 107601.	2.6	9
4	Rudimentary Assessment of Waste-to-Wealth of Used Tires Crumbs in Thermal Energy Storage. <i>Recycling</i> , 2022, 7, 40.	2.3	4
5	REGULATIONS FOR EFFICIENCY ASSESSMENT OF INVESTMENT PROJECTS IN THE ENERGY SECTOR: BRIEF OVERVIEW AND COMPARATIVE ANALYSIS. <i>WIT Transactions on Ecology and the Environment</i> , 2022, , .	0.0	4
6	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
7	Performance Evaluation of a Modified Compound Parabolic Concentrating Collector with Varying Concentration Ratio. <i>Heat Transfer Engineering</i> , 2021, 42, 1117-1131.	1.2	3
8	Integration of Compound Parabolic Concentrator with Solar Power Tower Receiver. <i>Green Energy and Technology</i> , 2021, , 73-92.	0.4	0
9	De-Emulsification and Gravity Separation of Micro-Emulsion Produced with Enhanced Oil Recovery Chemicals Flooding. <i>Energies</i> , 2021, 14, 2249.	1.6	12
10	Concentrated solar tower hybrid evacuated tube“photovoltaic/thermal receiver with a non-imaging optic reflector: A case study. <i>Journal of Cleaner Production</i> , 2021, 298, 126683.	4.6	5
11	Assessment of condensation and thermal control in a photovoltaic panel by PV/T and ground heat exchanger. <i>Solar Energy</i> , 2021, 221, 502-511.	2.9	8
12	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
13	Environmental Risk Mitigation by Biodiesel Blending from <i>Eichhornia crassipes</i> : Performance and Emission Assessment. <i>Sustainability</i> , 2021, 13, 8274.	1.6	11
14	Flow uniformity assessment in a multi-chamber cabinet of a hybrid solar dryer. <i>Solar Energy</i> , 2021, 224, 823-832.	2.9	20
15	Performance enhancement of solar vortex power generator by Al <sub>2</sub> O <sub>3</sub> -in-black paint coating. <i>Journal of Cleaner Production</i> , 2021, 316, 128303.	4.6	13
16	Molecular dynamics of binary deep eutectic solvents as biocompatible working fluids in heat and mass transfer systems. <i>Journal of Molecular Liquids</i> , 2021, 342, 117493.	2.3	9
17	Quality and productivity improvement of electric busbars epoxy coating process by fluidized bed system. <i>AIP Conference Proceedings</i> , 2021, , .	0.3	0
18	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

#	ARTICLE	IF	CITATIONS
19	Optimization of coiled tubing nozzle for sand removal from wellbore. Journal of Petroleum Exploration and Production, 2020, 10, 53-66.	1.2	7
20	Syntactic foams formulations, production techniques, and industry applications: a review. Journal of Materials Research and Technology, 2020, 9, 10698-10718.	2.6	47
21	Rudimentary analysis for solar chimney enhancement. IOP Conference Series: Materials Science and Engineering, 2020, 863, 012063.	0.3	1
22	State of the Art of Techno-Economics of Nanofluid-Laden Flat-Plate Solar Collectors for Sustainable Accomplishment. Sustainability, 2020, 12, 9119.	1.6	9
23	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
24	Investigation of gap losses in a modified compound parabolic concentrating collector with evacuated tube receiver. IOP Conference Series: Materials Science and Engineering, 2020, 863, 012010.	0.3	0
25	A Comparative Review on Greenery Ecosystems and Their Impacts on Sustainability of Building Environment. Sustainability, 2020, 12, 8529.	1.6	13
26	One-way coupled fluid-structure interaction of gas-liquid slug flow in a horizontal pipe: Experiments and simulations. Journal of Fluids and Structures, 2020, 97, 103083.	1.5	37
27	Performance enhancement of axial concurrent liquid-liquid hydrocyclone separator through optimization of the swirler vane angle. Journal of Petroleum Exploration and Production, 2020, 10, 2957-2967.	1.2	18
28	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
29	Measurement of global and direct normal solar energy radiation in Seri Iskandar and comparison with other cities of Malaysia. Case Studies in Thermal Engineering, 2020, 18, 100591.	2.8	31
30	Natural polymer non-covalently grafted graphene nanoplatelets for improved oil recovery process: A micromodel evaluation. Journal of Molecular Liquids, 2020, 310, 113076.	2.3	19
31	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
32	Power management optimization of hybrid solar photovoltaic-battery integrated with pumped-hydro-storage system for standalone electricity generation. Energy Conversion and Management, 2020, 215, 112942.	4.4	89
33	ANALYSIS OF GROUND THERMAL CONTROL SYSTEMS FOR SOLAR PHOTOVOLTAIC PERFORMANCE ENHANCEMENT. , 2020, , .		3
34	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
35	A Framework for the Optimal Sizing of Hybrid Solar PV-Battery-Hydro System for a Rural House in Malaysia. Lecture Notes in Mechanical Engineering, 2020, , 733-740.	0.3	0
36	Influence of canopy condensate film on the performance of solar chimney power plant. Renewable Energy, 2019, 136, 1012-1021.	4.3	15

#	ARTICLE	IF	CITATIONS
37	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
38	Investigation on the Possibility of Increasing the Environmental Safety and Fuel Efficiency of Vehicles by Means of Gasoline Nano-Additive. <i>Sustainability</i> , 2019, 11, 2165.	1.6	8
39	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
40	Potential of Renewable Energy Resources with an Emphasis on Solar Power in Iraq: An Outlook. <i>Resources</i> , 2019, 8, 42.	1.6	62
41	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
42	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
43	Optical Performance Analysis of Single Flow Through and Concentric Tube Receiver Coupled with a Modified CPC Collector Under Different Configurations. <i>Energies</i> , 2019, 12, 4147.	1.6	9
44	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
45	Performance evaluation of hybrid solar chimney for uninterrupted power generation. <i>Energy</i> , 2019, 166, 490-505.	4.5	44
46	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
47	Solar vortex engine: Experimental modelling and evaluation. <i>Renewable Energy</i> , 2018, 121, 389-399.	4.3	18
48	A comparative analysis on the uniformity enhancement methods of solar thermal drying. <i>Energy</i> , 2018, 148, 1103-1115.	4.5	25
49	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
50	The role of nanomaterials in the enhancement of non-concentrating solar collectors technology. <i>Materialwissenschaft Und Werkstofftechnik</i> , 2018, 49, 435-441.	0.5	5
51	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
52	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
53	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
54	Experimental data for the slug two-phase flow characteristics in horizontal pipeline. <i>Data in Brief</i> , 2018, 16, 527-530.	0.5	2

#	ARTICLE	IF	CITATIONS
55	Thermal Comfort Assessment of an Office Building in Tropical Climate Condition. MATEC Web of Conferences, 2018, 225, 01003.	0.1	7
56	Application of Electromagnetic Induction Technique to Measure the Void Fraction in Oil/Gas Two Phase Flow. IOP Conference Series: Materials Science and Engineering, 2018, 328, 012030.	0.3	0
57	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
58	Performance Comparison of Different Models of Direct Steam Solar Plants Based on Parabolic Trough Technology by Simulink MATLAB. MATEC Web of Conferences, 2018, 225, 02007.	0.1	0
59	The heavy metal free-near infrared $\text{CuInSeS/ZnS}$ core/shell quantum dot and its application in luminescent solar concentrator. AIP Conference Proceedings, 2018, , .	0.3	1
60	Computational analysis of the inflow air slot size influence on solar vortex generator performance. MATEC Web of Conferences, 2018, 225, 04013.	0.1	2
61	Comparison of different turbulence models in pipe flow of various Reynolds numbers. AIP Conference Proceedings, 2018, , .	0.3	7
62	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
63	Suitability of base liquid in a nanofluid-laden solar flat-plate collector with emphasize on bioglycol. MATEC Web of Conferences, 2018, 225, 04014.	0.1	0
64	Development of multi chamber technique to improve the uniformity in drying application. AIP Conference Proceedings, 2018, , .	0.3	3
65	Performance and emissions investigation of a single cylinder diesel engine using enhanced blend biodiesel by nanoparticles. AIP Conference Proceedings, 2018, , .	0.3	8
66	Magneto-hydrodynamics of bubbly flow in horizontal pipe: New criteria through numerical simulation. AIP Conference Proceedings, 2018, , .	0.3	1
67	CFD Analysis of Hybrid Solar Chimney Power Plant. MATEC Web of Conferences, 2018, 225, 04011.	0.1	3
68	Mathematical evaluation of solar chimney power plant collector, integrated with external heat source for non-interrupted power generation. Sustainable Energy Technologies and Assessments, 2018, 30, 59-67.	1.7	19
69	Upper limits for the work extraction by nanofluid-filled selective flat-plate solar collectors. Energy, 2018, 160, 875-885.	4.5	18
70	Performance and Simulation of a Stand-alone Parabolic Trough Solar Thermal Power Plant. IOP Conference Series: Earth and Environmental Science, 2018, 150, 012021.	0.2	0
71	Performance enhancement of free convective solar air heater by pin protrusions on the absorber. Solar Energy, 2017, 151, 173-185.	2.9	57
72	Survey of invest fuel magnetization in developing internal combustion engine characteristics. Renewable and Sustainable Energy Reviews, 2017, 79, 1392-1399.	8.2	17

#	ARTICLE	IF	CITATIONS
73	Evaluation of Alkali/Surfactant/Polymer Flooding on Separation and Stabilization of Water/Oil Emulsion by Statistical Modeling. Energy & Fuels, 2017, 31, 9290-9301.	2.5	24
74	Experimental characterization and comparison of performance parameters of S-rotors for standalone wind power system. Energy, 2017, 138, 752-763.	4.5	30
75	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
76	Performance investigation on a thermal energy storage integrated solar collector system using nanofluid. International Journal of Energy Research, 2017, 41, 650-657.	2.2	30
77	Statistical assessment of experimental observation on the slug body length and slug translational velocity in a horizontal pipe. International Journal of Heat and Mass Transfer, 2017, 105, 252-260.	2.5	40
78	Design and modeling of solar parabolic trough power plant with MATLAB. MATEC Web of Conferences, 2017, 131, 02008.	0.1	3
79	Review and comparative analysis of vortex generation systems for sustainable electric power production. IET Renewable Power Generation, 2017, 11, 1613-1624.	1.7	10
80	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
81	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
82	Characterisation of paraffinic compositions in crude oils. International Journal of Oil, Gas and Coal Technology, 2017, 15, 152.	0.1	0
83	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
84	CFD modeling of artificial vortex air generator for green electric power. MATEC Web of Conferences, 2017, 131, 02009.	0.1	6
85	On the Influence of Collector Size on the Solar Chimneys Performance. MATEC Web of Conferences, 2017, 131, 02011.	0.1	9
86	Experimental investigation of zero energy office under natural and forced ventilation. MATEC Web of Conferences, 2017, 131, 04012.	0.1	0
87	Numerical analysis of solar updraft power plant integrated with external heat source. MATEC Web of Conferences, 2017, 131, 01004.	0.1	4
88	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
89	On the Nano-Additive Enhanced Flat Plate Solar Collector Integrated with Thermal Energy Storage. Nanoscience and Nanotechnology - Asia, 2017, 7, .	0.3	5
90	NUMERICAL ASSESSMENT OF SOLAR UPDRAFT POWER PLANT INTEGRATED WITH EXTERNAL HEAT SOURCES. WIT Transactions on Ecology and the Environment, 2017, , .	0.0	7

#	ARTICLE	IF	CITATIONS
91	Characterisation of paraffinic compositions in crude oils. International Journal of Oil, Gas and Coal Technology, 2017, 15, 152.	0.1	0
92	FUNDAMENTAL INVESTIGATION OF THE OIL/WATER FLOW EMULSION IN THE DOWNHOLE BY CFD SIMULATION. , 2017, , .		0
93	Mathematical Modeling of a developed Central Receiver Based on Evacuated Solar Tubes. MATEC Web of Conferences, 2016, 38, 02005.	0.1	7
94	Evaluation of copper nanoparticles " Paraffin wax compositions for solar thermal energy storage. Solar Energy, 2016, 132, 267-278.	2.9	212
95	Experimental investigation and evaluation of hybrid solar/thermal dryer combined with supplementary recovery dryer. Solar Energy, 2016, 134, 284-293.	2.9	64
96	Comparative critique on the design parameters and their effect on the performance of S-rotors. Renewable Energy, 2016, 99, 1306-1317.	4.3	38
97	Measurements of translational slug velocity and slug length using an image processing technique. Flow Measurement and Instrumentation, 2016, 50, 112-120.	1.0	28
98	Nanoadditives induced enhancement of the thermal properties of paraffin-based nanocomposites for thermal energy storage. Solar Energy, 2016, 135, 644-653.	2.9	49
99	Historic and recent progress in solar chimney power plant enhancing technologies. Renewable and Sustainable Energy Reviews, 2016, 58, 1269-1292.	8.2	75
100	A Technique for Localized Rapid Soot Oxidation Using Metal Aided Microwave Radiation. IEEE Transactions on Microwave Theory and Techniques, 2016, 64, 37-43.	2.9	10
101	The transverse shear deformation behaviour of magneto-electro-elastic shell. Journal of Mechanical Science and Technology, 2016, 30, 77-87.	0.7	8
102	Solar-biomass hybrid dryer enhanced by the Co-Gen technique. Drying Technology, 2016, 34, 287-295.	1.7	19
103	Vortex field simulation and analysis of a solar updraft power engine. , 2016, , .		9
104	Numerical investigation of superheater tube failure. WIT Transactions on Engineering Sciences, 2016, , .	0.0	0
105	How CFD supports problem analysis and solution in oil production industry. , 2016, , .		0
106	Stabilization of Produced Crude Oil Emulsion in the Presence of ASP. , 2015, , .		9
107	Numerical analysis of cocurrent conical and cylindrical axial cyclone separators. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012054.	0.3	1
108	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

#	ARTICLE	IF	CITATIONS
109	Performance investigation of the S-Rotors. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012043.	0.3	2
110	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
111	Numerical analyses for improved hydrodynamics of deep water torpedo anchor. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012059.	0.3	4
112	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
113	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
114	Modeling of diesel/CNG mixing in a pre-injection chamber. IOP Conference Series: Materials Science and Engineering, 2015, 100, 012044.	0.3	4
115	On the natural convection heat transfer in a rectangular passage solar air heater. Solar Energy, 2015, 112, 310-318.	2.9	36
116	Numerical simulation and pressure drop prediction of slug flow in oil/gas pipelines. WIT Transactions on Engineering Sciences, 2015, . .	0.0	5
117	A review of convective and artificial vortices for power generation. International Journal of Sustainable Development and Planning, 2015, 10, 650-665.	0.3	13
118	Electric Field Prediction using Micro-plasma Inside a Microwave Cavity for Soot Oxidation. MATEC Web of Conferences, 2014, 13, 04012.	0.1	0
119	Effect of Induced Vibration on the Blood Flow Properties in a Mechanical Aortic Valve. MATEC Web of Conferences, 2014, 13, 02022.	0.1	1
120	Performance Analysis of Integrated Collector System with Immersed Coil Heat Exchanger. Applied Mechanics and Materials, 2014, 660, 740-744.	0.2	4
121	Theoretical background and the flow fields in downhole liquid-liquid hydrocyclone (LLHC). MATEC Web of Conferences, 2014, 13, 02032.	0.1	1
122	Dynamic analysis of laminated composite thermo-magneto-electro-elastic shells. Journal of Mechanical Science and Technology, 2014, 28, 4877-4891.	0.7	19
123	Visualization of Flow Field and Wake over Clean and Under-Loaded Wings. Applied Mechanics and Materials, 2014, 629, 24-29.	0.2	0
124	Review of municipal solid waste management options in Malaysia, with an emphasis on sustainable waste-to-energy options. Journal of Material Cycles and Waste Management, 2014, 16, 693-710.	1.6	64
125	Mathematical analysis of the influence of the chimney height and collector area on the performance of a roof top solar chimney. Energy and Buildings, 2014, 68, 305-311.	3.1	60
126	Performance evaluation of a solar water heater integrated with a PCM nanocomposite TES at various inclinations. Solar Energy, 2014, 109, 82-92.	2.9	135



#	ARTICLE	IF	CITATIONS
127	Evaluation of hybrid solar " biomass dryer with no load. MATEC Web of Conferences, 2014, 13, 06007.	0.1	1
128	Portable Thermoelectric Power Generator Coupled with Phase Change Material. MATEC Web of Conferences, 2014, 13, 02028.	0.1	0
129	Analysis of Boiler Operational Variables Prior to Tube Leakage Fault by Artificial Intelligent System. MATEC Web of Conferences, 2014, 13, 05004.	0.1	0
130	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
131	Numerical Study of Water Control with Downhole Oil-Water Separation Technology. MATEC Web of Conferences, 2014, 13, 02029.	0.1	3
132	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
133	A comparative study on the hydrodynamics of liquid-liquid hydrocyclonic separation. WIT Transactions on Engineering Sciences, 2014, , .	0.0	3
134	Ribbed double pipe heat exchanger: experimental analysis. WIT Transactions on Engineering Sciences, 2014, , .	0.0	1
135	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
136	Sustaining thermal power plant production in low water supply regions using cooling towers. WIT Transactions on Ecology and the Environment, 2014, , .	0.0	1
137	Analytical investigation of collector optimum tilt angle at low latitude. Journal of Renewable and Sustainable Energy, 2013, 5, 063112.	0.8	4
138	Simulation of incident solar power input to fixed target of central receiver system in Malaysia. , 2013, , .		3
139	Simulation of Hybrid Solar Dryer. IOP Conference Series: Earth and Environmental Science, 2013, 16, 012143.	0.2	4
140	Simulation of solar chimney power plant with an external heat source. IOP Conference Series: Earth and Environmental Science, 2013, 16, 012080.	0.2	11
141	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
142	Review on Nanomaterials for Thermal Energy Storage Technologies. Nanoscience and Nanotechnology - Asia, 2013, 3, 60-71.	0.3	47
143	Drying of Empty Fruit Bunches as Wasted Biomass by Hybrid Solar's Thermal Drying Technique. Journal of Mechanical Engineering and Sciences, 2013, 5, 652-661.	0.3	13
144	Experimental investigation on the effect of PCM and nano-enhanced PCM of integrated solar collector performance. WIT Transactions on Ecology and the Environment, 2013, , .	0.0	31

#	ARTICLE	IF	CITATIONS
145	A review of the vortex engine. WIT Transactions on Ecology and the Environment, 2013, , .	0.0	5
146	Design and performance investigation of a thermal back-up system for hybrid drying. , 2013, , .		1
147	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
148	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
149	Analytical Solution for Simply Supported and Multilayered Magneto-Thermo-Electro-Elastic Plates. Asian Journal of Scientific Research, 2013, 6, 236-244.	0.3	21
150	Analytical Analysis of Thermal Energy Storage Performance of Room Heating System by Solar Energy. Asian Journal of Scientific Research, 2013, 6, 135-145.	0.3	0
151	Energy sustainability through integrated solar thermal systems. WIT Transactions on Ecology and the Environment, 2013, , .	0.0	1
152	Developing Novel Wellbore Heat Transfer Strategies for HPHT Wells. , 2012, , .		4
153	Thermal behavior of encapsulated phase change material energy storage. Journal of Renewable and Sustainable Energy, 2012, 4, 013112.	0.8	17
154	Free Vibration Analysis of Structronics Shell. Communications in Computer and Information Science, 2012, , 322-330.	0.4	10
155	Numerical simulation of solar chimney integrated with exhaust of thermal power plant. WIT Transactions on Engineering Sciences, 2012, , .	0.0	10
156	Soot Reduction Strategy: A Review. Journal of Applied Sciences, 2012, 12, 2338-2345.	0.1	9
157	Experimental Investigation on the Performance Enhancement of Integrated PCM-Flat Plate Solar Collector. Journal of Applied Sciences, 2012, 12, 2390-2396.	0.1	33
158	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
159	Synergistic Evaluation of Production Tubing Heat Losses and Integrity of Oil Well. Journal of Applied Sciences, 2012, 12, 2484-2488.	0.1	0
160	CFD Simulation of the Intermediate Passage of Gas Turbine with Energy Promoters. Journal of Applied Sciences, 2012, 12, 2511-2518.	0.1	0
161	Estimation Model for the Wax Crystal Size Distribution in Solvent Dewaxing Process. Journal of Applied Sciences, 2012, 12, 2548-2554.	0.1	0
162	Experimental Characterization of Diesel Engine Performance Fuelled By Various Sunflower Oil-Diesel Mixtures. Journal of Applied Sciences, 2012, 12, 2604-2609.	0.1	2

#	ARTICLE	IF	CITATIONS
163	Reducing the magneto-electro-elastic. , 2011, , .		2
164	Numerical model to simulate wax crystallization in: Scraped surface heat exchangers. , 2011, , .		0
165	An investigation of integrated flat plate solar collector: Experimental measurement. , 2011, , .		1
166	Analysis of electro/magneto-mechanical coupling factor: In laminated composite plate construct from rotated Y-cut crystals. , 2011, , .		2
167	Thermal field study and analysis in hybrid solar flue gas chimney power plant. , 2011, , .		5
168	Modeling of wax crystallization in production of lube oil base stock in solvent dewaxing. , 2011, , .		0
169	Performance Prediction Procedures of the Supersonic Spiked Intakes. Asian Journal of Scientific Research, 2011, 4, 224-235.	0.3	1
170	Investigation on The Particle Settling Velocity in Non-Newtonian Fluids. Journal of Applied Sciences, 2011, 11, 1528-1535.	0.1	10
171	Artificial Intelligent System for Steam Boiler Diagnosis based on Superheater Monitoring. Journal of Applied Sciences, 2011, 11, 1566-1572.	0.1	9
172	Analysis of the Temperature Distribution in GT Blade Cooled by Compressed Air. Journal of Applied Sciences, 2011, 11, 1733-1740.	0.1	1
173	Analytical Analysis of Roof Top Solar Chimney for Power Generation. Journal of Applied Sciences, 2011, 11, 1741-1748.	0.1	5
174	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
175	Review on the Enhancement Techniques and Introduction of an Alternate Enhancement Technique of Solar Chimney Power Plant. Journal of Applied Sciences, 2011, 11, 1877-1884.	0.1	34
176	Design of a Biomass Burner/Gas-to-gas Heat Exchanger for Thermal Backup of a Solar Dryer. Journal of Applied Sciences, 2011, 11, 1929-1936.	0.1	16
177	Modeling of the Waxing-dewaxing Process in Scraped Surface Exchangers. Journal of Applied Sciences, 2011, 11, 1594-1599.	0.1	2
178	Study on the Thermal Accumulation and Distribution Inside a Parked Car Cabin. American Journal of Applied Sciences, 2010, 7, 784-789.	0.1	62
179	Simulation of the Cuttings Cleaning During the Drilling Operation. American Journal of Applied Sciences, 2010, 7, 800-806.	0.1	30
180	Multidimensional minimization training algorithms for steam boiler drum level trip using artificial intelligent monitoring system. , 2010, , .		2

#	ARTICLE	IF	CITATIONS
181	Multidimensional minimization training algorithms for steam boiler high temperature superheater trip using artificial intelligence monitoring system. , 2010, , .		1
182	Data acquisition and control system for on-line measurement and analysis of complex flow fields. , 2010, , .		0
183	Performance enhancement of rotary air preheater by the use of pin shaped turbulators. , 2010, , .		1
184	Evaluation of a flying X hot-wire probe system. Measurement Science and Technology, 1991, 2, 374-380.	1.4	8
185	Velocity component measurements by X hot-wire anemometry. Measurement Science and Technology, 1990, 1, 1314-1321.	1.4	15
186	Calibration and analysis of X hot-wire probe signals. Measurement Science and Technology, 1990, 1, 782-785.	1.4	22
187	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
188	Velocity calibration relationships for hot-wire anemometry. Journal of Physics E: Scientific Instruments, 1988, 21, 225-232.	0.7	50
189	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
190	Thermophysical Properties of Nanoparticles-Phase Change Material Compositions for Thermal Energy Storage. Applied Mechanics and Materials, 0, 232, 127-131.	0.2	22
191	Experimental Investigation of Thermal Conductivity of Paraffin Based Nanocomposite for TES. Applied Mechanics and Materials, 0, 465-466, 181-185.	0.2	0
192	Numerical Simulation of High Frequency Electromagnetic Wave in Microwave Cavity for Soot Oxidation. Applied Mechanics and Materials, 0, 459, 310-318.	0.2	5
193	Experimental Investigations on the Characteristics of Biomass and Coal-Biomass Fuel Briquettes. Advanced Materials Research, 0, 683, 246-249.	0.3	4
194	Finite Element Analysis of Fatigue in Pipelines due to Slug Flow. Advanced Materials Research, 0, 845, 271-276.	0.3	2
195	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
196	Numerical Simulation of Microwave Heating for Soot Oxidation. Applied Mechanics and Materials, 0, 564, 256-262.	0.2	1
197	Development of Thermal Insulation from Oil Palm Fiber for Chimney of Fire Tube Steam Packaged Boiler. Applied Mechanics and Materials, 0, 666, 31-35.	0.2	0
198	Experimental Analysis of Petroleum Wax Characteristics for Lubricant Oil Production in Solvent Dewaxing Unit. Advanced Materials Research, 0, 875-877, 529-533.	0.3	0

#	ARTICLE	IF	CITATIONS
199	Design and Simulation of Small Heliostat Field at Universiti Teknologi PETRONAS Campus. Applied Mechanics and Materials, 0, 699, 613-618.	0.2	1
200	Overview of Hazardous Waste Management Status in Malaysia. , 0, , .		10
201	Numerical Simulation of the Transient Development of Slug Flow in Horizontal Pipes. Applied Mechanics and Materials, 0, 819, 300-304.	0.2	2
202	Numerical Study on Fluid Structure Interaction of Slug Flow in a Horizontal Pipeline. Applied Mechanics and Materials, 0, 819, 319-325.	0.2	0