

Mohammed Kamil Mohammed

List of Publications by Year in descending order

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41
papers

1,800
citations

331642

21
h-index

302107

39
g-index

41
all docs

41
docs citations

41
times ranked

1574
citing authors

#	ARTICLE	IF	CITATIONS
1	Environmental aspects of fuel cells: A review. <i>Science of the Total Environment</i> , 2021, 752, 141803.	8.0	287
2	Environmental impact of desalination technologies: A review. <i>Science of the Total Environment</i> , 2020, 748, 141528.	8.0	235
3	An Overview of Recent Advances in State-of-the-Art Techniques in the Demulsification of Crude Oil Emulsions. <i>Processes</i> , 2019, 7, 470.	2.8	112
4	Modeling of PV system and parameter extraction based on experimental data: Review and investigation. <i>Solar Energy</i> , 2020, 199, 742-760.	6.1	102
5	A comprehensive review on the exergy analysis of combined cycle power plants. <i>Renewable and Sustainable Energy Reviews</i> , 2018, 90, 835-850.	16.4	91
6	The optimum performance of the combined cycle power plant: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 79, 459-474.	16.4	83
7	Recent trends for introducing promising fuel components to enhance the anti-knock quality of gasoline: A systematic review. <i>Fuel</i> , 2021, 291, 120112.	6.4	83
8	Particulate emissions from gasoline direct injection engines: A review of how current emission regulations are being met by automobile manufacturers. <i>Science of the Total Environment</i> , 2020, 718, 137302.	8.0	74
9	Experimental study on the effect of perforations shapes on vertical heated fins performance under forced convection heat transfer. <i>International Journal of Heat and Mass Transfer</i> , 2018, 118, 832-846.	4.8	68
10	Overview of polyoxymethylene dimethyl ether additive as an eco-friendly fuel for an internal combustion engine: Current application and environmental impacts. <i>Science of the Total Environment</i> , 2020, 715, 136849.	8.0	68
11	Experimental and computer performance study of an automotive air conditioning system with alternative refrigerants. <i>Energy Conversion and Management</i> , 2003, 44, 2959-2976.	9.2	67
12	Performance prediction of spark-ignition engine running on gasoline-hydrogen and methane-hydrogen blends. <i>Applied Energy</i> , 2015, 158, 556-567.	10.1	60
13	Prediction of emissions and performance of a gasoline engine running with fusel oil "gasoline blends using response surface methodology. <i>Fuel</i> , 2019, 253, 1-14.	6.4	45
14	Environmental impacts of biodiesel production from waste spent coffee grounds and its implementation in a compression ignition engine. <i>Science of the Total Environment</i> , 2019, 675, 13-30.	8.0	45
15	A systematic literature review of the factors influencing the adoption of autonomous driving. <i>International Journal of Systems Assurance Engineering and Management</i> , 2020, 11, 1065-1082.	2.4	39
16	Hybrid low-carbon high-octane oxygenated gasoline based on low-octane hydrocarbon fractions. <i>Science of the Total Environment</i> , 2021, 756, 142715.	8.0	34
17	Performance Evaluation of External Mixture Formation Strategy in Hydrogen Fueled Engine. <i>Journal of Mechanical Engineering and Sciences</i> , 2011, 1, 87-98.	0.6	32
18	Economic, technical, and environmental viability of biodiesel blends derived from coffee waste. <i>Renewable Energy</i> , 2020, 147, 1880-1894.	8.9	26

#	ARTICLE	IF	CITATIONS
19	Analysis of Thermal Creep Effects on Fluid Flow and Heat Transfer in a Microchannel Gas Heating. <i>Journal of Thermal Science and Engineering Applications</i> , 2021, 13, .	1.5	25
20	Effects of Air-Fuel Ratio and Engine Speed on Performance of Hydrogen Fueled Port Injection Engine. <i>Journal of Applied Sciences</i> , 2009, 9, 1128-1134.	0.3	24
21	Review and analysis of the importance of autonomous vehicles liability: a systematic literature review. <i>International Journal of Systems Assurance Engineering and Management</i> , 2020, 11, 1227-1249.	2.4	23
22	Engine performance and optimum injection timing for 4-cylinder direct injection hydrogen fueled engine. <i>Simulation Modelling Practice and Theory</i> , 2011, 19, 734-751.	3.8	18
23	Desert Palm Date Seeds as a Biodiesel Feedstock: Extraction, Characterization, and Engine Testing. <i>Energies</i> , 2019, 12, 3147.	3.1	17
24	A comprehensive review on advanced thermochemical processes for bio-hydrogen production via microwave and plasma technologies. <i>Biomass Conversion and Biorefinery</i> , 2023, 13, 8593-8602.	4.6	17
25	Statistical analysis and optimum performance of the gas turbine power plant. <i>International Journal of Automotive and Mechanical Engineering</i> , 2016, 13, 3215-3215.	0.9	17
26	Comprehensive evaluation of the life cycle of liquid and solid fuels derived from recycled coffee waste. <i>Resources, Conservation and Recycling</i> , 2019, 150, 104446.	10.8	16
27	An Integrated Model for Predicting Engine Friction Losses in Internal Combustion Engines. <i>International Journal of Automotive and Mechanical Engineering</i> , 2014, 9, 1695-1708.	0.9	16
28	Current progress in anaerobic digestion reactors and parameters optimization. <i>Biomass Conversion and Biorefinery</i> , 0, , 1.	4.6	14
29	Integrated Simulation Model for Composition and Properties of Gases in Hydrogen Fueled Engine. <i>International Journal of Automotive and Mechanical Engineering</i> , 2013, 8, 1242-1155.	0.9	11
30	Air Fuel Ratio on Engine Performance and Instantaneous Behavior of Crank Angle for Four Cylinder Direct Injection Hydrogen Fueled Engine. <i>Journal of Applied Sciences</i> , 2009, 9, 2877-2886.	0.3	9
31	Energy and exergy analysis of spark ignited engine fueled with Gasoline-Ethanol-Butanol blends. <i>AIMS Energy</i> , 2020, 8, 1007-1028.	1.9	7
32	Thermal and Economic Analysis of Gas Turbine Using Inlet Air Cooling System. <i>MATEC Web of Conferences</i> , 2018, 225, 01020.	0.2	5
33	Conjugate Heat Transfer in a Microchannel Simultaneously Developing Gas Flow: A Vorticity Stream Function-Based Numerical Analysis. <i>Journal of Thermal Science and Engineering Applications</i> , 2019, 11, .	1.5	5
34	Emissions from Combustion of Second-Generation Biodiesel Produced from Seeds of Date Palm Fruit (<i>Phoenix dactylifera</i> L.). <i>Applied Sciences (Switzerland)</i> , 2019, 9, 3720.	2.5	4
35	Thermal and Hydraulic Performance in a Microchannel Heat Sink Equipped with Longitudinal Vortex Generators (LVGs) and Nanofluid. <i>Processes</i> , 2020, 8, 231.	2.8	4
36	Experimental characterization and assessment of bio- and thermo-chemical energy potential of dromedary manure. <i>Biomass and Bioenergy</i> , 2021, 148, 106058.	5.7	4

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37	Experimental and Numerical investigation of Heat transfer enhancement using Al ₂ O ₃ -Ethylene Glycol/Water nanofluids in straight channel. MATEC Web of Conferences, 2018, 225, 01019.	0.2	3
38	Wavelet Analysis of the Effect of Injection Strategies on Cycle to Cycle Variation GDI Optical Engine under Clean and Fouled Injector. Processes, 2019, 7, 817.	2.8	3
39	Biodiesel synthesis from neem oil using neem seeds residue as sustainable catalyst support. Biomass Conversion and Biorefinery, 0, , 1.	4.6	3
40	EFFECT OF INJECTION HOLE DIAMETER ON OPERATIONAL CONDITIONS OF COMMON-RAIL FUEL-INJECTION SYSTEM FOR PORT-INJECTION HYDROGEN-FUELED ENGINE. International Journal of Automotive and Mechanical Engineering, 2015, 11, 2383-2395.	0.9	2
41	An Overview of Reforming Technologies and the Effect of Parameters on the Catalytic Performance of Mesoporous Silica/Alumina Supported Nickel Catalysts for Syngas Production by Methane Dry Reforming. Recent Innovations in Chemical Engineering, 2020, 13, 303-322.	0.4	2