Mohammed Kamil Mohammed

List of Publications by Year
in descending order

41	1,800	331670 21	302126 39
papers	citations	h-index	g-index

41	41	41	1574
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Environmental aspects of fuel cells: A review. Science of the Total Environment, 2021, 752, 141803.	8.0	287
2	Environmental impact of desalination technologies: A review. Science of the Total Environment, 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. Processes, 2019, 7, 470.	2.8	112
4	Modeling of PV system and parameter extraction based on experimental data: Review and investigation. Solar Energy, 2020, 199, 742-760.	6.1	102
5	A comprehensive review on the exergy analysis of combined cycle power plants. Renewable and Sustainable Energy Reviews, 2018, 90, 835-850.	16.4	91
6	The optimum performance of the combined cycle power plant: A comprehensive review. Renewable and Sustainable Energy Reviews, 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. Fuel, 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. Science of the Total Environment, 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. International Journal of Heat and Mass Transfer, 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. Science of the Total Environment, 2020, 715, 136849.	8.0	68
11	Experimental and computer performance study of an automotive air conditioning system with alternative refrigerants. Energy Conversion and Management, 2003, 44, 2959-2976.	9.2	67
12	Performance prediction of spark-ignition engine running on gasoline-hydrogen and methane-hydrogen blends. Applied Energy, 2015, 158, 556-567.	10.1	60
13	Prediction of emissions and performance of a gasoline engine running with fusel oilâ€“gasoline blends using response surface methodology. Fuel, 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. Science of the Total Environment, 2019, 675, 13-30.	8.0	45
15	A systematic literature review of the factors influencing the adoption of autonomous driving. International Journal of Systems Assurance Engineering and Management, 2020, 11, 1065-1082.	2.4	39
16	Hybrid low-carbon high-octane oxygenated gasoline based on low-octane hydrocarbon fractions. Science of the Total Environment, 2021, 756, 142715.	8.0	34
17	Performance Evaluation of External Mixture Formation Strategy in Hydrogen Fueled Engine. Journal of Mechanical Engineering and Sciences, 2011, 1, 87-98.	0.6	32
18	Economic, technical, and environmental viability of biodiesel blends derived from coffee waste. Renewable Energy, 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. Journal of Thermal Science and Engineering Applications, 2021, 13, .	1.5	25
20	Effects of Air-Fuel Ratio and Engine Speed on Performance of Hydrogen Fueled Port Injection Engine. Journal of Applied Sciences, 2009, 9, 1128-1134.	0.3	24
21	Review and analysis of the importance of autonomous vehicles liability: a systematic literature review. International Journal of Systems Assurance Engineering and Management, 2020, 11, 1227-1249.	2.4	23
22	Engine performance and optimum injection timing for 4-cylinder direct injection hydrogen fueled engine. Simulation Modelling Practice and Theory, 2011, 19, 734-751.	3.8	18
23	Desert Palm Date Seeds as a Biodiesel Feedstock: Extraction, Characterization, and Engine Testing. Energies, 2019, 12, 3147.	3.1	17
24	A comprehensive review on advanced thermochemical processes for bio-hydrogen production via microwave and plasma technologies. Biomass Conversion and Biorefinery, 2023, 13, 8593-8602.	4.6	17
25	Statistical analysis and optimum performance of the gas turbine power plant. International Journal of Automotive and Mechanical Engineering, 2016, 13, 3215-3215.	0.9	17
26	Comprehensive evaluation of the life cycle of liquid and solid fuels derived from recycled coffee waste. Resources, Conservation and Recycling, 2019, 150, 104446.	10.8	16
27	An Integrated Model for Predicting Engine Friction Losses in Internal Combustion Engines. International Journal of Automotive and Mechanical Engineering, 2014, 9, 1695-1708.	0.9	16
28	Current progress in anaerobic digestion reactors and parameters optimization. Biomass Conversion and Biorefinery, 0, , 1.	4.6	14
29	Integrated Simulation Model for Composition and Properties of Gases in Hydrogen Fueled Engine. International Journal of Automotive and Mechanical Engineering, 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. Journal of Applied Sciences, 2009, 9, 2877-2886.	0.3	9
31	Energy and exergy analysis of spark ignited engine fueled with Gasoline-Ethanol-Butanol blends. AIMS Energy, 2020, 8, 1007-1028.	1.9	7
32	Thermal and Economic Analysis of Gas Turbine Using Inlet Air Cooling System. MATEC Web of Conferences, 2018, 225, 01020.	0.2	5
33	Conjugate Heat Transfer in a Microchannel Simultaneously Developing Gas Flow: A Vorticity Stream Function-Based Numerical Analysis. Journal of Thermal Science and Engineering Applications, 2019, 11, .	1.5	5
34	Emissions from Combustion of Second-Generation Biodiesel Produced from Seeds of Date Palm Fruit (Phoenix dactylifera L.). Applied Sciences (Switzerland), 2019, 9, 3720.	2.5	4
35	Thermalâ€“Hydraulic Performance in a Microchannel Heat Sink Equipped with Longitudinal Vortex Generators (LVGs) and Nanofluid. Processes, 2020, 8, 231.	2.8	4
36	Experimental characterization and assessment of bio- and thermo-chemical energy potential of dromedary manure. Biomass and Bioenergy, 2021, 148, 106058.	5.7	4

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37	Experimental and Numerical investigation of Heat transfer enhancement using Al2O3-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