

# Mohammed Kamil Mohammed

## List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

40  
papers

898  
citations

16  
h-index

29  
g-index

41  
ext. papers

1,310  
ext. citations

4.9  
avg, IF

5.18  
L-index

#	Paper	IF	Citations
40	Environmental aspects of fuel cells: A review. <i>Science of the Total Environment</i> , <b>2021</b> , 752, 141803	10.2	114
39	Environmental impact of desalination technologies: A review. <i>Science of the Total Environment</i> , <b>2020</b> , 748, 141528	10.2	99
38	A comprehensive review on the exergy analysis of combined cycle power plants. <i>Renewable and Sustainable Energy Reviews</i> , <b>2018</b> , 90, 835-850	16.2	60
37	An Overview of Recent Advances in State-of-the-Art Techniques in the Demulsification of Crude Oil Emulsions. <i>Processes</i> , <b>2019</b> , 7, 470	2.9	59
36	The optimum performance of the combined cycle power plant: A comprehensive review. <i>Renewable and Sustainable Energy Reviews</i> , <b>2017</b> , 79, 459-474	16.2	54
35	Experimental and computer performance study of an automotive air conditioning system with alternative refrigerants. <i>Energy Conversion and Management</i> , <b>2003</b> , 44, 2959-2976	10.6	52
34	Modeling of PV system and parameter extraction based on experimental data: Review and investigation. <i>Solar Energy</i> , <b>2020</b> , 199, 742-760	6.8	51
33	Performance prediction of spark-ignition engine running on gasoline-hydrogen and methane-hydrogen blends. <i>Applied Energy</i> , <b>2015</b> , 158, 556-567	10.7	48
32	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> , <b>2020</b> , 718, 137302	10.2	45
31	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> , <b>2020</b> , 715, 136849	10.2	34
30	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> , <b>2019</b> , 675, 13-30	10.2	29
29	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> , <b>2018</b> , 118, 832-846	4.9	28
28	Prediction of emissions and performance of a gasoline engine running with fusel oil/gasoline blends using response surface methodology. <i>Fuel</i> , <b>2019</b> , 253, 1-14	7.1	26
27	Recent trends for introducing promising fuel components to enhance the anti-knock quality of gasoline: A systematic review. <i>Fuel</i> , <b>2021</b> , 291, 120112	7.1	25
26	Effects of Air-Fuel Ratio and Engine Speed on Performance of Hydrogen Fueled Port Injection Engine. <i>Journal of Applied Sciences</i> , <b>2009</b> , 9, 1128-1134	0.3	16
25	Hybrid low-carbon high-octane oxygenated gasoline based on low-octane hydrocarbon fractions. <i>Science of the Total Environment</i> , <b>2021</b> , 756, 142715	10.2	16
24	A systematic literature review of the factors influencing the adoption of autonomous driving. <i>International Journal of Systems Assurance Engineering and Management</i> , <b>2020</b> , 11, 1065-1082	1.3	15

23	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> , <b>2021</b> , 13,	1.9	15
22	Performance Evaluation of External Mixture Formation Strategy in Hydrogen Fueled Engine. <i>Journal of Mechanical Engineering and Sciences</i> , <b>2011</b> , 1, 87-98	2	13
21	Economic, technical, and environmental viability of biodiesel blends derived from coffee waste. <i>Renewable Energy</i> , <b>2020</b> , 147, 1880-1894	8.1	13
20	Comprehensive evaluation of the life cycle of liquid and solid fuels derived from recycled coffee waste. <i>Resources, Conservation and Recycling</i> , <b>2019</b> , 150, 104446	11.9	11
19	Engine performance and optimum injection timing for 4-cylinder direct injection hydrogen fueled engine. <i>Simulation Modelling Practice and Theory</i> , <b>2011</b> , 19, 734-751	3.9	10
18	Statistical analysis and optimum performance of the gas turbine power plant. <i>International Journal of Automotive and Mechanical Engineering</i> , <b>2016</b> , 13, 3215-3215	1.4	10
17	Review and analysis of the importance of autonomous vehicles liability: a systematic literature review. <i>International Journal of Systems Assurance Engineering and Management</i> , <b>2020</b> , 11, 1227-1249	1.3	9
16	Desert Palm Date Seeds as a Biodiesel Feedstock: Extraction, Characterization, and Engine Testing. <i>Energies</i> , <b>2019</b> , 12, 3147	3.1	8
15	An Integrated Model for Predicting Engine Friction Losses in Internal Combustion Engines. <i>International Journal of Automotive and Mechanical Engineering</i> , <b>2014</b> , 9, 1695-1708	1.4	7
14	A comprehensive review on advanced thermochemical processes for bio-hydrogen production via microwave and plasma technologies. <i>Biomass Conversion and Biorefinery</i> , <b>2020</b> , 1	2.3	5
13	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> , <b>2019</b> , 11,	1.9	4
12	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> , <b>2009</b> , 9, 2877-2886	0.3	4
11	Current progress in anaerobic digestion reactors and parameters optimization. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	2
10	EFFECT OF INJECTION HOLE DIAMETER ON OPERATIONAL CONDITIONS OF COMMON-RAIL FUEL-INJECTION SYSTEM FOR PORT-INJECTION HYDROGEN-FUELED ENGINE. <i>International Journal of Automotive and Mechanical Engineering</i> , <b>2015</b> , 11, 2383-2395	1.4	2
9	Energy and exergy analysis of spark ignited engine fueled with Gasoline-Ethanol-Butanol blends. <i>AIMS Energy</i> , <b>2020</b> , 8, 1007-1028	1.8	2
8	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. <i>Recent Innovations in Chemical Engineering</i> , <b>2020</b> , 13, 303-322	0.3	2
7	Experimental characterization and assessment of bio- and thermo-chemical energy potential of dromedary manure. <i>Biomass and Bioenergy</i> , <b>2021</b> , 148, 106058	5.3	2
6	Emissions from Combustion of Second-Generation Biodiesel Produced from Seeds of Date Palm Fruit ( <i>Phoenix dactylifera</i> L.). <i>Applied Sciences (Switzerland)</i> , <b>2019</b> , 9, 3720	2.6	2

5	Wavelet Analysis of the Effect of Injection Strategies on Cycle to Cycle Variation GDI Optical Engine under Clean and Fouled Injector. <i>Processes</i> , <b>2019</b> , 7, 817	2.9	2
4	ThermalHydraulic Performance in a Microchannel Heat Sink Equipped with Longitudinal Vortex Generators (LVGs) and Nanofluid. <i>Processes</i> , <b>2020</b> , 8, 231	2.9	1
3	Experimental and Numerical investigation of Heat transfer enhancement using Al <sub>2</sub> O <sub>3</sub> -Ethylene Glycol/Water nanofluids in straight channel. <i>MATEC Web of Conferences</i> , <b>2018</b> , 225, 01019	0.3	1
2	Biodiesel synthesis from neem oil using neem seeds residue as sustainable catalyst support. <i>Biomass Conversion and Biorefinery</i> , 1	2.3	1
1	Thermal and Economic Analysis of Gas Turbine Using Inlet Air Cooling System. <i>MATEC Web of Conferences</i> , <b>2018</b> , 225, 01020	0.3	