Zhiqing Zhang

List of Publications by Year
in descending order

39	2,601	236925	315739
papers	citations	25 h-index	38 g-index

39	39	39	1123
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Investigation on the effects of non-uniform porosity catalyst on SCR characteristic based on the field synergy analysis. Journal of Environmental Chemical Engineering, 2022, 10, 107056.	6.7	38
2	Investigation on the combustion and emission characteristics of diesel engine fueled with diesel/methanol/n-butanol blends. Fuel, 2022, 314, 123088.	6.4	101
3	The effects of Mn-based catalysts on the selective catalytic reduction of NOx with NH3 at low temperature: A review. Fuel Processing Technology, 2022, 230, 107213.	7.2	85
4	Performance, combustion and emission characteristics investigations on a diesel engine fueled with diesel/ ethanol /n-butanol blends. Energy, 2022, 249, 123733.	8.8	119
5	Investigation on combustion, performance and emission characteristics of a diesel engine fueled with diesel/alcohol/n-butanol blended fuels. Fuel, 2022, 320, 123975.	6.4	83
6	Effect of assisted hydrogen on combustion and emission characteristics of a diesel engine fueled with biodiesel. Energy, 2022, 254, 124269.	8.8	45
7	The development of diesel oxidation catalysts and the effect of sulfur dioxide on catalysts of metal-based diesel oxidation catalysts: A review. Fuel Processing Technology, 2022, 233, 107317.	7.2	70
8	Review of Particle Filters for Internal Combustion Engines. Processes, 2022, 10, 993.	2.8	13
9	Investigation of the Aerodynamic Characteristics of Platoon Vehicles Based on Ahmed Body. Shock and Vibration, 2022, 2022, 1-19.	0.6	0
10	A Comprehensive Review of the Properties, Performance, Combustion, and Emissions of the Diesel Engine Fueled with Different Generations of Biodiesel. Processes, 2022, 10, 1178.	2.8	14
11	Investigation on the Performance Enhancement and Emission Reduction of a Biodiesel Fueled Diesel Engine Based on an Improved Entire Diesel Engine Simulation Model. Processes, 2021, 9, 104.	2.8	10
12	Effects of Swirl and Boiling Heat Transfer on the Performance Enhancement and Emission Reduction for a Medium Diesel Engine Fueled with Biodiesel. Processes, 2021, 9, 568.	2.8	55
13	The effects of Fe2O3 based DOC and SCR catalyst on the combustion and emission characteristics of a diesel engine fueled with biodiesel. Fuel, 2021, 290, 120039.	6.4	139
14	Influence of Welding Speeds on the Morphology, Mechanical Properties, and Microstructure of 2205 DSS Welded Joint by K-TIG Welding. Materials, 2021, 14, 3426.	2.9	17
15	Effects of Different Diesel-Ethanol Dual Fuel Ratio on Performance and Emission Characteristics of Diesel Engine. Processes, 2021, 9, 1135.	2.8	21
16	Effects of Different Injection Strategies on Combustion and Emission Characteristics of Diesel Engine Fueled with Dual Fuel. Processes, 2021, 9, 1300.	2.8	9
17	Effects of Different Mixture Ratios of Methanol-Diesel on the Performance Enhancement and Emission Reduction for a Diesel Engine. Processes, 2021, 9, 1366.	2.8	10
18	Numerical Simulation and Experimental Investigation on 2205 Duplex Stainless Steel K-TIG Welded Joint. Metals, 2021, 11, 1323.	2.3	12

#	Article	IF	Citations
19	Surface Roughness Prediction and Optimization in the Orthogonal Cutting of Graphite/Polymer Composites Based on Artificial Neural Network. Processes, 2021, 9, 1858.	2.8	6
20	Effect of Different Technologies on Performance Enhancement of the Micro-Combustor for the Micro Thermophotovoltaic Application: A Review. Energies, 2021, 14, 6577.	3.1	9
21	Investigation of the Performance and Emission Characteristics of a Diesel Engine with Different Dieselâ€“Methanol Dual-Fuel Ratios. Processes, 2021, 9, 1944.	2.8	6
22	Effects of Different Biodiesel-Diesel Blend Fuel on Combustion and Emission Characteristics of a Diesel Engine. Processes, 2021, 9, 1984.	2.8	21
23	Effects analysis on diesel soot continuous regeneration performance of a rotary microwave-assisted regeneration diesel particulate filter. Fuel, 2020, 260, 116353.	6.4	65
24	Effect Analysis on the Performance Enhancement and Emission Reduction of Diesel Engine Fueled with Biodiesel Fuel Based on an Improved Model. International Journal of Aerospace Engineering, 2020, 2020, 1-14.	0.9	7
25	Effects of boiling heat transfer on the performance enhancement of a medium speed diesel engine fueled with diesel and rapeseed methyl ester. Applied Thermal Engineering, 2020, 169, 114984.	6.0	67
26	Experimental investigation on performance and economy characteristics of a diesel engine with variable nozzle turbocharger and its application in urban bus. Energy Conversion and Management, 2019, 193, 149-161.	9.2	74
27	Effect analysis on cold starting performance enhancement of a diesel engine fueled with biodiesel fuel based on an improved thermodynamic model. Applied Energy, 2019, 243, 321-335.	10.1	109
28	Effects of low-level water addition on spray, combustion and emission characteristics of a medium speed diesel engine fueled with biodiesel fuel. Fuel, 2019, 239, 245-262.	6.4	123
29	Investigation on the applicability for reaction rates adjustment of the optimized biodiesel skeletal mechanism. Energy, 2018, 150, 1031-1038.	8.8	46
30	Effects of fatty acid methyl esters proportion on combustion and emission characteristics of a biodiesel fueled marine diesel engine. Energy Conversion and Management, 2018, 159, 244-253.	9.2	149
31	Effects of injection timing and injection pressure on performance and exhaust emissions of a common rail diesel engine fueled by various concentrations of fish-oil biodiesel blends. Energy, 2018, 149, 979-989.	8.8	106
32	Investigation on the effects of wall thickness and porous media on the thermal performance of a non-premixed hydrogen fueled cylindrical micro combustor. Energy Conversion and Management, 2018, 155, 276-286.	9.2	129
33	Effect analysis on flow and boiling heat transfer performance of cooling water-jacket of bearing in the gasoline engine turbocharger. Applied Thermal Engineering, 2018, 130, 754-766.	6.0	57
34	Performance and emission evaluation of a marine diesel engine fueled by water biodiesel-diesel emulsion blends with a fuel additive of a cerium oxide nanoparticle. Energy Conversion and Management, 2018, 169, 194-205.	9.2	196
35	Numerical investigations on a comparison between counterflow and coflow double-channel micro combustors for micro-thermophotovoltaic system. Energy, 2017, 122, 408-419.	8.8	70
36	Effect of different technologies on combustion and emissions of the diesel engine fueled with biodiesel: A review. Renewable and Sustainable Energy Reviews, 2017, 80, 620-647.	16.4	245

#	Article	IF	Citations
37	Numerical investigations on thermal performance of a micro-cylindrical combustor with gradually reduced wall thickness. Applied Thermal Engineering, 2017, 113, 1011-1020.	6.0	68
38	Numerical investigations on an improved micro-cylindrical combustor with rectangular rib for enhancing heat transfer. Applied Energy, 2016, 184, 77-87.	10.1	99
39	Effect analysis on pressure drop of the continuous regeneration-diesel particulate filter based on NO 2 assisted regeneration. Applied Thermal Engineering, 2016, 100, 356-366.	6.0	108