

# Zhiqing Zhang

## List of Publications by Year in descending order

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39  
papers

2,601  
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236925

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docs citations

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times ranked

1123  
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of different technologies on combustion and emissions of the diesel engine fueled with biodiesel: A review. <i>Renewable and Sustainable Energy Reviews</i> , 2017, 80, 620-647.	16.4	245
2	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. <i>Energy Conversion and Management</i> , 2018, 169, 194-205.	9.2	196
3	Effects of fatty acid methyl esters proportion on combustion and emission characteristics of a biodiesel fueled marine diesel engine. <i>Energy Conversion and Management</i> , 2018, 159, 244-253.	9.2	149
4	The effects of Fe <sub>2</sub> O <sub>3</sub> based DOC and SCR catalyst on the combustion and emission characteristics of a diesel engine fueled with biodiesel. <i>Fuel</i> , 2021, 290, 120039.	6.4	139
5	Investigation on the effects of wall thickness and porous media on the thermal performance of a non-premixed hydrogen fueled cylindrical micro combustor. <i>Energy Conversion and Management</i> , 2018, 155, 276-286.	9.2	129
6	Effects of low-level water addition on spray, combustion and emission characteristics of a medium speed diesel engine fueled with biodiesel fuel. <i>Fuel</i> , 2019, 239, 245-262.	6.4	123
7	Performance, combustion and emission characteristics investigations on a diesel engine fueled with diesel/ ethanol /n-butanol blends. <i>Energy</i> , 2022, 249, 123733.	8.8	119
8	Effect analysis on cold starting performance enhancement of a diesel engine fueled with biodiesel fuel based on an improved thermodynamic model. <i>Applied Energy</i> , 2019, 243, 321-335.	10.1	109
9	Effect analysis on pressure drop of the continuous regeneration-diesel particulate filter based on NO <sub>2</sub> assisted regeneration. <i>Applied Thermal Engineering</i> , 2016, 100, 356-366.	6.0	108
10	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. <i>Energy</i> , 2018, 149, 979-989.	8.8	106
11	Investigation on the combustion and emission characteristics of diesel engine fueled with diesel/methanol/n-butanol blends. <i>Fuel</i> , 2022, 314, 123088.	6.4	101
12	Numerical investigations on an improved micro-cylindrical combustor with rectangular rib for enhancing heat transfer. <i>Applied Energy</i> , 2016, 184, 77-87.	10.1	99
13	The effects of Mn-based catalysts on the selective catalytic reduction of NO <sub>x</sub> with NH <sub>3</sub> at low temperature: A review. <i>Fuel Processing Technology</i> , 2022, 230, 107213.	7.2	85
14	Investigation on combustion, performance and emission characteristics of a diesel engine fueled with diesel/alcohol/n-butanol blended fuels. <i>Fuel</i> , 2022, 320, 123975.	6.4	83
15	Experimental investigation on performance and economy characteristics of a diesel engine with variable nozzle turbocharger and its application in urban bus. <i>Energy Conversion and Management</i> , 2019, 193, 149-161.	9.2	74
16	Numerical investigations on a comparison between counterflow and coflow double-channel micro combustors for micro-thermophotovoltaic system. <i>Energy</i> , 2017, 122, 408-419.	8.8	70
17	The development of diesel oxidation catalysts and the effect of sulfur dioxide on catalysts of metal-based diesel oxidation catalysts: A review. <i>Fuel Processing Technology</i> , 2022, 233, 107317.	7.2	70
18	Numerical investigations on thermal performance of a micro-cylindrical combustor with gradually reduced wall thickness. <i>Applied Thermal Engineering</i> , 2017, 113, 1011-1020.	6.0	68

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19	Effects of boiling heat transfer on the performance enhancement of a medium speed diesel engine fueled with diesel and rapeseed methyl ester. <i>Applied Thermal Engineering</i> , 2020, 169, 114984.	6.0	67
20	Effects analysis on diesel soot continuous regeneration performance of a rotary microwave-assisted regeneration diesel particulate filter. <i>Fuel</i> , 2020, 260, 116353.	6.4	65
21	Effect analysis on flow and boiling heat transfer performance of cooling water-jacket of bearing in the gasoline engine turbocharger. <i>Applied Thermal Engineering</i> , 2018, 130, 754-766.	6.0	57
22	Effects of Swirl and Boiling Heat Transfer on the Performance Enhancement and Emission Reduction for a Medium Diesel Engine Fueled with Biodiesel. <i>Processes</i> , 2021, 9, 568.	2.8	55
23	Investigation on the applicability for reaction rates adjustment of the optimized biodiesel skeletal mechanism. <i>Energy</i> , 2018, 150, 1031-1038.	8.8	46
24	Effect of assisted hydrogen on combustion and emission characteristics of a diesel engine fueled with biodiesel. <i>Energy</i> , 2022, 254, 124269.	8.8	45
25	Investigation on the effects of non-uniform porosity catalyst on SCR characteristic based on the field synergy analysis. <i>Journal of Environmental Chemical Engineering</i> , 2022, 10, 107056.	6.7	38
26	Effects of Different Diesel-Ethanol Dual Fuel Ratio on Performance and Emission Characteristics of Diesel Engine. <i>Processes</i> , 2021, 9, 1135.	2.8	21
27	Effects of Different Biodiesel-Diesel Blend Fuel on Combustion and Emission Characteristics of a Diesel Engine. <i>Processes</i> , 2021, 9, 1984.	2.8	21
28	Influence of Welding Speeds on the Morphology, Mechanical Properties, and Microstructure of 2205 DSS Welded Joint by K-TIG Welding. <i>Materials</i> , 2021, 14, 3426.	2.9	17
29	A Comprehensive Review of the Properties, Performance, Combustion, and Emissions of the Diesel Engine Fueled with Different Generations of Biodiesel. <i>Processes</i> , 2022, 10, 1178.	2.8	14
30	Review of Particle Filters for Internal Combustion Engines. <i>Processes</i> , 2022, 10, 993.	2.8	13
31	Numerical Simulation and Experimental Investigation on 2205 Duplex Stainless Steel K-TIG Welded Joint. <i>Metals</i> , 2021, 11, 1323.	2.3	12
32	Investigation on the Performance Enhancement and Emission Reduction of a Biodiesel Fueled Diesel Engine Based on an Improved Entire Diesel Engine Simulation Model. <i>Processes</i> , 2021, 9, 104.	2.8	10
33	Effects of Different Mixture Ratios of Methanol-Diesel on the Performance Enhancement and Emission Reduction for a Diesel Engine. <i>Processes</i> , 2021, 9, 1366.	2.8	10
34	Effects of Different Injection Strategies on Combustion and Emission Characteristics of Diesel Engine Fueled with Dual Fuel. <i>Processes</i> , 2021, 9, 1300.	2.8	9
35	Effect of Different Technologies on Performance Enhancement of the Micro-Combustor for the Micro Thermophotovoltaic Application: A Review. <i>Energies</i> , 2021, 14, 6577.	3.1	9
36	Effect Analysis on the Performance Enhancement and Emission Reduction of Diesel Engine Fueled with Biodiesel Fuel Based on an Improved Model. <i>International Journal of Aerospace Engineering</i> , 2020, 2020, 1-14.	0.9	7

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37	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
38	Investigation of the Performance and Emission Characteristics of a Diesel Engine with Different Diesel-Methanol Dual-Fuel Ratios. Processes, 2021, 9, 1944.	2.8	6
39	Investigation of the Aerodynamic Characteristics of Platoon Vehicles Based on Ahmed Body. Shock and Vibration, 2022, 2022, 1-19.	0.6	0