

Chunhua Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

15
papers

212
citations

1477746

6
h-index

996533

15
g-index

15
all docs

15
docs citations

15
times ranked

190
citing authors

#	ARTICLE	IF	CITATIONS
1	Combustion characteristics and performance of a methanol fueled homogenous charge compression ignition (HCCI) engine. <i>Journal of the Energy Institute</i> , 2016, 89, 346-353.	2.7	51
2	Combustion characteristics and operation range of a RCCI combustion engine fueled with direct injection n-heptane and pipe injection n-butanol. <i>Energy</i> , 2017, 125, 439-448.	4.5	43
3	Study on the knock tendency and cyclical variations of a HCCI engine fueled with n-butanol/n-heptane blends. <i>Energy Conversion and Management</i> , 2017, 133, 548-557.	4.4	39
4	Effect of hydrogen peroxide additive on the combustion and emission characteristics of an n-butanol homogeneous charge compression ignition engine. <i>Energy</i> , 2019, 169, 572-579.	4.5	23
5	Effects of Fischer-Tropsch diesel blending in petrochemical diesel on combustion and emissions of a common-rail diesel engine. <i>Fuel</i> , 2021, 305, 121587.	3.4	15
6	Development and validation of a reduced polyoxymethylene dimethyl ether 3 " Biodiesel reaction mechanism for engine application. <i>Fuel</i> , 2021, 291, 120144.	3.4	11
7	Correlation between the Molecular Structure and Viscosity Index of CTL Base Oils Based on Ridge Regression. <i>ACS Omega</i> , 2022, 7, 18887-18896.	1.6	6
8	Effect of gasoline additive on combustion and emission characteristics of an n-butanol Partially Premixed Compression Ignition engine under different parameters. <i>Scientific Reports</i> , 2021, 11, 1904.	1.6	5
9	Effects of combustion ratio on rapid combustion, cyclical variation, and emissions of a heavy-duty diesel engine fueled with diesel-methanol dual-fuel. <i>Environmental Progress and Sustainable Energy</i> , 2017, 36, 1528-1536.	1.3	4
10	Construction of a Reduced Diesel/Polyoxymethylene Dimethyl Ether 3 (PODE ₃) Reaction Mechanism for Combustion and Emission Analysis. <i>Energy & Fuels</i> , 2021, 35, 4437-4446.	2.5	4
11	Experimental and kinetic modeling study for N ₂ O formation of NH ₃ -SCR over commercial Cu-zeolite catalyst. <i>Advances in Mechanical Engineering</i> , 2021, 13, 168781402110106.	0.8	3
12	Study on Fault Diagnosis Method and Application of Automobile Power Supply Based on Fault Tree-Bayesian Network. <i>Security and Communication Networks</i> , 2022, 2022, 1-10.	1.0	3
13	Development of a Reduced Chemical Reaction Mechanism for n-Pentanol Based on Combined Reduction Methods and Genetic Algorithm. <i>ACS Omega</i> , 2021, 6, 6448-6459.	1.6	2
14	Study on Abnormal Transmission of Date Frames Based on PT-CAN Bus. <i>Journal of Advanced Transportation</i> , 2022, 2022, 1-9.	0.9	2
15	An experimental and numerical study of polyoxymethylene dimethyl ethers on a homogeneous charge compression ignition engine. <i>Energy Sources, Part A: Recovery, Utilization and Environmental Effects</i> , 2020, , 1-16.	1.2	1