Yang Hua

List of Publications by Year
in descending order

26 papers	344 citations	933447 10 h-index	839539 18 g-index
26 all docs	26 docs citations	26 times ranked	175 citing authors

#	Article	IF	Citations
1	Experimental and kinetic investigation on soot formation of n-butanol-gasoline blends in laminar coflow diffusion flames. Fuel, 2018, 213, 195-205.	6.4	43
2	An experimental study on soot distribution characteristics of ethanol-gasoline blends in laminar diffusion flames. Journal of the Energy Institute, 2018, 91, 997-1008.	5.3	39
3	Experimental Investigation of Polycyclic Aromatic Hydrocarbons Growth Characteristics of Gasoline Mixed with Methanol, Ethanol, or n-Butanol in Laminar Diffusion Flames. Energy & Fuels, 2018, 32, 6823-6833.	5.1	39
4	Effects of alcohol addition to traditional fuels on soot formation: A review. International Journal of Engine Research, 2021, 22, 1395-1420.	2.3	32
5	Experimental and kinetic studies of soot formation in methanol-gasoline coflow diffusion flames. Journal of the Energy Institute, 2019, 92, 38-50.	5.3	29
6	Numerical investigation into the decoupling effects of hydrogen blending on flame structure and soot formation in a laminar ethylene diffusion flame. International Journal of Hydrogen Energy, 2020, 45, 15672-15682.	7.1	26
7	Numerical investigation into the effects of oxygen concentration on flame characteristics and soot formation in diffusion and partially premixed flames. Fuel, 2020, 268, 117398.	6.4	23
8	Effect of Alcohol Addition to Gasoline on Soot Distribution Characteristics in Laminar Diffusion Flames. Chemical Engineering and Technology, 2018, 41, 897-906.	1.5	22
9	Numerical study of particle dynamics in laminar diffusion flames of gasoline blended with different alcohols. Fuel, 2019, 257, 116065.	6.4	17
10	Effect of Toluene Addition on the PAH Formation in Laminar Coflow Diffusion Flames of n-Heptane and Isooctane. Energy & Fuels, 2018, 32, 7142-7152.	5.1	11
11	Effects of Water Vapor Addition on the Flame Structure and Soot Formation in a Laminar Ethanol/air Coflow Flame. Combustion Science and Technology, 2021, 193, 626-642.	2.3	11
12	Numerical Investigation of Soot Formation in a Methane Diffusion Flame Doped with n-Heptane at Elevated Pressure. Energy & Fuels, 2019, 33, 11941-11947.	5.1	10
13	Characteristics of premixed hydrogen/air squish flame in a confined vessel. Journal of the Energy Institute, 2018, 91, 1102-1112.	5.3	7
14	Ethers and esters as alternative fuels for internal combustion engine: A review. International Journal of Engine Research, 2023, 24, 178-216.	2.3	7
15	Experimental Evaluation of Various Gasoline Surrogates Based on Soot Formation Characteristics. Energy & Fuels, 2018, 32, 11961-11969.	5.1	6
16	Experimental and numerical study on formation mechanism of premixed hydrogen-air squish flame in wall constrained environment. International Journal of Hydrogen Energy, 2019, 44, 18559-18572.	7.1	5
17	Experimental and numerical study on the effect of dimensionless parameters on the characteristics of droplet atomization caused by periodic inertial force. Fuel, 2019, 253, 941-949.	6.4	4
18	Experimental study on induced accelerated combustion of premixed hydrogen-air in a confined environment. International Journal of Hydrogen Energy, 2019, 44, 31593-31609.	7.1	3

#	ARTICLE	IF	CITATIONS
19	Experimental and Numerical Investigation into the Effects of Unsaturated Carbon Bonds of Hydrocarbon Fuels on Soot Formation in Laminar Diffusion Flames. Combustion Science and Technology, 2022, 194, 1542-1567.	2.3	3
20	Numerical Investigation on the Effect of Cylindrical Combustion Chamber Diameter-to-Depth Ratio on the Performance of Stoichiometric Natural Gas Engine With Exhaust Gas Recirculation. Journal of Engineering for Gas Turbines and Power, 2022, 144, .	1.1	3
21	Online Measuring Method for the Enginesâ€™ IVC Timing Based on the In-Cylinder Pressure Fluctuation. International Journal of Automotive Technology, 2019, 20, 365-377.	1.4	1
22	Study on the Intake Valve Close Timing Misalignment Between the Maximum Volume Efficiency and the None Backflow on a Single Cylinder Diesel Engine. Journal of Engineering for Gas Turbines and Power, 2019, 141, .	1.1	1
23	Experimental and Numerical Investigation of Laminar Flame Characteristics of Isooctane/air Mixtures at High Preheating Temperatures and H2O Dilution Ratios. Combustion Science and Technology, 2020, , 1-21.	2.3	1
24	Effect of Toluene Content on Soot Particle Morphology and Evolution in Coflow Diffusion Flames of Diesel Surrogate Fuels. Combustion Science and Technology, 2023, 195, 2536-2555.	2.3	1
25	The Investigation of Soot Free Length of Jet Flame of Propane and Carbon Dioxide Gas Mixture. Combustion Science and Technology, 0, , 1-13.	2.3	0
26	On the Radiative, Diffusion and Chemical Effects of Soot Formation in a Nonsmoking Laminar Ethylene Diffusion Flame. Combustion Science and Technology, 0, , 1-15.	2.3	0