

Cangsu Xu

List of Publications by Year in descending order

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50
papers

805
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471509

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times ranked

439
citing authors

#	ARTICLE	IF	CITATIONS
1	Thermal runaway characteristics and failure criticality of massive ternary Li-ion battery piles in low-pressure storage and transport. <i>Chemical Engineering Research and Design</i> , 2021, 155, 486-497.	5.6	50
2	Methanol as an octane booster for gasoline fuels. <i>Fuel</i> , 2019, 248, 76-84.	6.4	47
3	Experimental study on evaporation characteristics of diesel/cerium oxide nanofluid fuel droplets. <i>Fuel</i> , 2019, 254, 115633.	6.4	43
4	A comparative study of laser ignition and spark ignition with gasoline-air mixtures. <i>Optics and Laser Technology</i> , 2014, 64, 343-351.	4.6	38
5	Laminar burning velocity of 2-methylfuran-air mixtures at elevated pressures and temperatures: Experimental and modeling studies. <i>Fuel</i> , 2018, 231, 215-223.	6.4	33
6	VR motion sickness recognition by using EEG rhythm energy ratio based on wavelet packet transform. <i>Computer Methods and Programs in Biomedicine</i> , 2020, 188, 105266.	4.7	32
7	Cellularization of 2-methylfuran expanding spherical flame. <i>Combustion and Flame</i> , 2019, 206, 379-389.	5.2	28
8	Turbulent burning velocity of stoichiometric syngas flames with different hydrogen volumetric fractions upon constant-volume method with multi-zone model. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 4969-4978.	7.1	26
9	Investigating the laminar burning velocity of 2-methylfuran. <i>Fuel</i> , 2018, 234, 1469-1480.	6.4	24
10	Bubble recognizing and tracking in a plate heat exchanger by using image processing and convolutional neural network. <i>International Journal of Multiphase Flow</i> , 2021, 138, 103593.	3.4	24
11	Laminar burning characteristics of upgraded biomass pyrolysis fuel derived from rice husk at elevated pressures and temperatures. <i>Fuel</i> , 2017, 210, 249-261.	6.4	23
12	Inherent instabilities in ethyl acetate premixed flames. <i>Fuel</i> , 2021, 290, 120000.	6.4	22
13	Intrinsic instability of different fuels spherically expanding flames: A review. <i>Fuel Processing Technology</i> , 2022, 234, 107325.	7.2	21
14	Comparative experimental study of ethanol-air premixed laminar combustion characteristics by laser induced spark and electric spark ignition. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 574-579.	2.7	20
15	Esters as a potential renewable fuel: A review of the combustion characteristics. <i>Fuel Processing Technology</i> , 2022, 229, 107185.	7.2	20
16	Determination of laminar burning characteristics of a surrogate for a pyrolysis fuel using constant volume method. <i>Energy</i> , 2020, 190, 116315.	8.8	19
17	Explosion characteristics of a pyrolysis biofuel derived from rice husk. <i>Journal of Hazardous Materials</i> , 2019, 369, 324-333.	12.4	19
18	Effect of nanoparticles concentration on the evaporation characteristics of biodiesel. <i>Applied Surface Science</i> , 2019, 492, 150-156.	6.1	18

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19	Simulation of throttling effect on cavitation for nozzle internal flow. <i>Fuel</i> , 2019, 243, 277-287.	6.4	17
20	Spray characteristics of a gasoline-diesel blend (ULG75) using high-speed imaging techniques. <i>Fuel</i> , 2019, 239, 677-692.	6.4	17
21	Cellularization characteristics of ethyl acetate spherical expanding flame. <i>Fuel</i> , 2021, 291, 120213.	6.4	16
22	Effect of CO ₂ and N ₂ dilution on laminar premixed MTHF/air flames: Experiments and kinetic studies. <i>Fuel</i> , 2019, 255, 115659.	6.4	15
23	Evaluation of explosion characteristics of 2-methylfuran/air mixture. <i>Journal of Loss Prevention in the Process Industries</i> , 2019, 62, 103954.	3.3	15
24	A review of ground-source heat pump systems with heat pipes for energy efficiency in buildings. <i>Energy Procedia</i> , 2018, 152, 413-418.	1.8	14
25	Extinguishing the dripping flame by acoustic wave. <i>Fire Safety Journal</i> , 2021, 120, 103109.	3.1	14
26	Laminar flame characteristics of 2-ethylfuran/air mixtures: Experimental and kinetic modelling investigations. <i>Fuel</i> , 2022, 307, 121785.	6.4	13
27	Numerical and theoretical investigation of ethanol/air flame instability. <i>Combustion Theory and Modelling</i> , 2020, 24, 1108-1129.	1.9	12
28	Experimental and numerical studies of laminar flame characteristics of ethyl acetate with or without hydrogen addition. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 20391-20399.	7.1	12
29	Experimental and numerical study on laminar premixed flame characteristics of 2-ethylfuran. <i>Combustion and Flame</i> , 2021, 234, 111631.	5.2	12
30	Effect of hydrogen addition on the laminar burning velocity of n-decane/air mixtures: Experimental and numerical study. <i>International Journal of Hydrogen Energy</i> , 2022, 47, 19263-19274.	7.1	12
31	Visualization of bubble flow in the channel of a dimple-type embossing plate heat exchanger under different fluid inlet/outlet ports. <i>International Journal of Heat and Mass Transfer</i> , 2019, 145, 118750.	4.8	11
32	Explosion characteristics of hydrous bio-ethanol in oxygen-enriched air. <i>Fuel</i> , 2020, 271, 117604.	6.4	11
33	Investigating the explosion of ethyl acetate in the presence of hydrogen. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 20400-20407.	7.1	11
34	Investigations on laminar premixed flame characteristics of ethyl acetate. <i>Combustion and Flame</i> , 2021, 230, 111454.	5.2	11
35	Effect of Ammonia on Laminar Combustion Characteristics of Methane-Air Flames at Elevated Pressures. <i>ACS Omega</i> , 2022, 7, 15326-15337.	3.5	10
36	Acoustical Extinction of Flame on Moving Firebrand for the Fire Protection in Wildland-Urban Interface. <i>Fire Technology</i> , 2021, 57, 1365-1380.	3.0	9

#	ARTICLE	IF	CITATIONS
37	The effect of intrinsic instability on the surface topography of spherical 2-acetylfuran flame. Fuel, 2022, 318, 123624.	6.4	9
38	Laminar Burning Characteristics of Two Rice-Husk-Derived Biofuels. Energy & Fuels, 2018, 32, 9872-9882.	5.1	8
39	Investigation on hydrogen/ethanol intrinsic flame instability. Combustion and Flame, 2022, 241, 112064.	5.2	8
40	Experimental and Numerical Study on the Effect of Hydrogen Addition on Laminar Burning Velocity of Ethanol-Air Mixtures. Energies, 2022, 15, 3114.	3.1	8
41	Investigations on cellularization instability of 2-ethylfuran. Renewable Energy, 2022, 191, 447-458.	8.9	7
42	Laminar Burning Velocity of Premixed Ethanol-Air Mixtures with Laser-Induced Spark Ignition Using the Constant-Volume Method. Energy & Fuels, 2019, 33, 7749-7758.	5.1	6
43	Combustion Characteristics and Laminar Flame Speed of Premixed Ethanol-Air Mixtures with Laser-Induced Spark Ignition. Biofuels Engineering, 2017, 2, 63-72.	0.0	5
44	Investigations on explosion characteristics of ethyl acetate. Journal of Loss Prevention in the Process Industries, 2021, 70, 104409.	3.3	5
45	An Experimental and Kinetic Modelling Study on Laminar Premixed Flame Characteristics of Ethanol/Acetone Mixtures. Energies, 2021, 14, 6713.	3.1	4
46	Laminar flame characteristics of ethanol-air mixture: Experimental and simulation study. Thermal Science, 2018, 22, 1453-1444.	1.1	3
47	Accelerating Laminar Flame Speed of Hydrous Ethanol via Oxygen-Rich Combustion. Bioenergy Research, 2021, 14, 634-644.	3.9	2
48	An Experimental and a Kinetic Modelling Study of Ethanol/Acetone/Ethyl Acetate Mixtures. Energies, 2022, 15, 2992.	3.1	1
49	Research on Semi-active Control of Engine Vibration Basing on Electro-Rheological(ER) Technology. , 2006, , .		0
50	Research of Measure and Control System for Laminar Burning Velocity in Constant Volume Combustion Chamber. Journal of Physics: Conference Series, 2019, 1176, 052037.	0.4	0