Yongliang Xie

List of Publications by Year
in descending order

32 papers	1,380 citations	393982 19 h-index	454577 30 g-index
32 all docs	32 docs citations	32 times ranked	775 citing authors

#	Article	IF	Citations
1	Laminar flame speeds and ignition delay times of methaneâ€“air mixtures at elevated temperatures and pressures. Fuel, 2015, 158, 1-10.	3.4	217
2	Experimental and Numerical Study on Laminar Flame Characteristics of Methane Oxy-fuel Mixtures Highly Diluted with CO₂. Energy & Fuels, 2013, 27, 6231-6237.	2.5	153
3	Comparative study on the effect of CO2 and H2O dilution on laminar burning characteristics of CO/H2/air mixtures. International Journal of Hydrogen Energy, 2014, 39, 3450-3458.	3.8	99
4	Pressure history in the explosion of moist syngas/air mixtures. Fuel, 2016, 185, 18-25.	3.4	85
5	Self-acceleration of cellular flames and laminar flame speed of syngas/air mixtures at elevated pressures. International Journal of Hydrogen Energy, 2016, 41, 18250-18258.	3.8	85
6	Thermal and Chemical Effects of Water Addition on Laminar Burning Velocity of Syngas. Energy & Fuels, 2014, 28, 3391-3398.	2.5	58
7	Measurement on instantaneous flame front structure of turbulent premixed CH4/H2/air flames. Experimental Thermal and Fluid Science, 2014, 52, 288-296.	1.5	57
8	Effects of oxygen enrichment on laminar burning velocities and Markstein lengths of CH4/O2/N2 flames at elevated pressures. Fuel, 2016, 184, 466-473.	3.4	56
9	Flame front structure and burning velocity of turbulent premixed CH4/H2/air flames. International Journal of Hydrogen Energy, 2013, 38, 11421-11428.	3.8	52
10	Explosion behavior predictions of syngas/air mixtures with dilutions at elevated pressures: Explosion and intrinsic flame instability parameters. Fuel, 2019, 255, 115724.	3.4	52
11	A comprehensive review on laminar spherically premixed flame propagation of syngas. Fuel Processing Technology, 2018, 181, 97-114.	3.7	47
12	Effect of H₂O Addition on the Flame Front Evolution of Syngas Spherical Propagation Flames. Combustion Science and Technology, 2016, 188, 1054-1072.	1.2	46
13	Cellular instabilities of non-adiabatic laminar flat methane/hydrogen oxy-fuel flames highly diluted with CO2. Fuel, 2015, 143, 38-46.	3.4	39
14	A novel tin-bromine redox flow battery for large-scale energy storage. Applied Energy, 2019, 255, 113756.	5.1	39
15	Laminar burning velocities, Markstein lengths, and flame thickness of liquefied petroleum gas with hydrogen enrichment. International Journal of Hydrogen Energy, 2014, 39, 13020-13030.	3.8	37
16	Laminar flame characteristics and kinetic modeling study of methanol-isooctane blends at elevated temperatures. Fuel, 2016, 184, 836-845.	3.4	33
17	Correlation of turbulent burning velocity for syngas/air mixtures at high pressure up to 1.0MPa. Experimental Thermal and Fluid Science, 2013, 50, 90-96.	1.5	31
18	Effects of stretch and preferential diffusion on tip opening of laminar premixed Bunsen flames of syngas/air mixtures. Fuel, 2015, 148, 1-8.	3.4	28

#	Article	IF	Citations
19	Effects of the external turbulence on centrally-ignited spherical unstable Ch4/H2/air flames in the constant-volume combustion bomb. International Journal of Hydrogen Energy, 2019, 44, 20452-20461.	3.8	26
20	Pressure effects on flame structures and chemical pathways for lean premixed turbulent H2/air flames: Three-dimensional DNS studies. Fuel, 2018, 215, 320-329.	3.4	17
21	Effect of fuel concentration, inert gas dilutions, inert gasâ€“water mist twin fluid medium dilutions, and end boundary condition on overpressure transients of premixed fuel vapor explosion. Fuel, 2022, 309, 122083.	3.4	17
22	Effect of the initial pressures on evolution of intrinsically unstable hydrogen/air premixed flame fronts. International Journal of Hydrogen Energy, 2019, 44, 17030-17040.	3.8	16
23	Economic analysis of hydrogen-powered data center. International Journal of Hydrogen Energy, 2021, 46, 27841-27850.	3.8	16
24	Thermal and fire characteristics of hydrogen jet flames in the tunnel at longitudinal ventilation strategies. Fuel, 2021, 306, 121659.	3.4	15
25	A review on mixing laws of laminar flame speed and their applications on H2/CH4/CO/air mixtures. International Journal of Hydrogen Energy, 2020, 45, 20482-20490.	3.8	13
26	Comparative analysis on temperature characteristics of hydrogen-powered and traditional fossil-fueled vehicle fires in the tunnel under longitudinal ventilations. International Journal of Hydrogen Energy, 2022, 47, 24107-24118.	3.8	13
27	Effects of pressure and Karlovitz number on the turbulence-flame interactions in lean premixed H2/air flames. Fuel, 2018, 234, 1293-1300.	3.4	11
28	Effects of CO addition on laminar flame characteristics and chemical reactions of H2 and CH4 in oxy-fuel (O2/CO2) atmosphere. International Journal of Hydrogen Energy, 2020, 45, 20472-20481.	3.8	11
29	Investigation on the highly negative curved syngas Bunsen flame and the critical local Karlovitz number when tip opening. Fuel, 2018, 215, 429-437.	3.4	9
30	Effects of Initiation Radius Selection and Lewis Number on Extraction of Laminar Burning Velocities from Spherically Expanding Flames. Combustion Science and Technology, 2017, , 1-26.	1.2	2
31	Characteristics of airflow in the platform with high-speed train passing through the underground railway station. E3S Web of Conferences, 2020, 165, 04075.	0.2	0
32	CFD investigation of the unsteady airflow and pressure characteristics in the underground highway station with the train passing. Journal of Asian Architecture and Building Engineering, 2023, 22, 1268-1283.	1.2	0