Yongliang Xie

List of Publications by Citations

30 papers	969 citations	18 h-index	31 g-index
32 ext. papers	1,159 ext. citations	5.8 avg, IF	4.54 L-index

#	Paper	IF	Citations
30	Laminar flame speeds and ignition delay times of methane–air mixtures at elevated temperatures and pressures. *Fuel*, **2015**, 158, 1-10	7.1	151
29	Experimental and Numerical Study on Laminar Flame Characteristics of Methane Oxy-fuel Mixtures Highly Diluted with CO2. *Energy & Fuels*, **2013**, 27, 6231-6237	4.1	124
28	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	6.7	74
27	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	6.7	70
26	Pressure history in the explosion of moist syngas/air mixtures. *Fuel*, **2016**, 185, 18-25	7.1	57
25	Thermal and Chemical Effects of Water Addition on Laminar Burning Velocity of Syngas. *Energy & Fuels*, **2014**, 28, 3391-3398	4.1	45
24	Measurement on instantaneous flame front structure of turbulent premixed CH4/H2/air flames. *Experimental Thermal and Fluid Science*, **2014**, 52, 288-296	3	45
23	Flame front structure and burning velocity of turbulent premixed CH4/H2/air flames. *International Journal of Hydrogen Energy*, **2013**, 38, 11421-11428	6.7	43
22	Effects of oxygen enrichment on laminar burning velocities and Markstein lengths of CH4/O2/N2 flames at elevated pressures. *Fuel*, **2016**, 184, 466-473	7.1	38
21	A comprehensive review on laminar spherically premixed flame propagation of syngas. *Fuel Processing Technology*, **2018**, 181, 97-114	7.2	36
20	Explosion behavior predictions of syngas/air mixtures with dilutions at elevated pressures: Explosion and intrinsic flame instability parameters. *Fuel*, **2019**, 255, 115724	7.1	35
19	Effect of H2O Addition on the Flame Front Evolution of Syngas Spherical Propagation Flames. *Combustion Science and Technology*, **2016**, 188, 1054-1072	1.5	33
18	Laminar burning velocities, Markstein lengths, and flame thickness of liquefied petroleum gas with hydrogen enrichment. *International Journal of Hydrogen Energy*, **2014**, 39, 13020-13030	6.7	28
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	3	26
16	Laminar flame characteristics and kinetic modeling study of methanol-isooctane blends at elevated temperatures. *Fuel*, **2016**, 184, 836-845	7.1	26
15	Cellular instabilities of non-adiabatic laminar flat methane/hydrogen oxy-fuel flames highly diluted with CO2. *Fuel*, **2015**, 143, 38-46	7.1	24
14	Effects of stretch and preferential diffusion on tip opening of laminar premixed Bunsen flames of syngas/air mixtures. *Fuel*, **2015**, 148, 1-8	7.1	23

List of Publications

13	A novel tin-bromine redox flow battery for large-scale energy storage. *Applied Energy*, **2019**, 255, 113756	10.7	21
12	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	6.7	15
11	Effect of the initial pressures on evolution of intrinsically unstable hydrogen/air premixed flame fronts. *International Journal of Hydrogen Energy*, **2019**, 44, 17030-17040	6.7	12
10	Pressure effects on flame structures and chemical pathways for lean premixed turbulent H2/air flames: Three-dimensional DNS studies. *Fuel*, **2018**, 215, 320-329	7.1	10
9	Effects of pressure and Karlovitz number on the turbulence-flame interactions in lean premixed H2/air flames. *Fuel*, **2018**, 234, 1293-1300	7.1	7
8	Investigation on the highly negative curved syngas Bunsen flame and the critical local Karlovitz number when tip opening. *Fuel*, **2018**, 215, 429-437	7.1	6
7	Economic analysis of hydrogen-powered data center. *International Journal of Hydrogen Energy*, **2021**, 46, 27841-27850	6.7	6
6	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	6.7	5
5	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	6.7	5
4	Effect of fuel concentration, inert gas dilutions, inert gas□water mist twin fluid medium dilutions, and end boundary condition on overpressure transients of premixed fuel vapor explosion. *Fuel*, **2022**, 309, 122083	7.1	3
3	Thermal and fire characteristics of hydrogen jet flames in the tunnel at longitudinal ventilation strategies. *Fuel*, **2021**, 306, 121659	7.1	1
2	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	1.5	
1	Characteristics of airflow in the platform with high-speed train passing through the underground railway station. *E3S Web of Conferences*, **2020**, 165, 04075	0.5	