

# Yongliang Xie

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	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. <i>Fuel</i> , <b>2022</b> , 309, 122083	7.1	3
29	Economic analysis of hydrogen-powered data center. <i>International Journal of Hydrogen Energy</i> , <b>2021</b> , 46, 27841-27850	6.7	6
28	Thermal and fire characteristics of hydrogen jet flames in the tunnel at longitudinal ventilation strategies. <i>Fuel</i> , <b>2021</b> , 306, 121659	7.1	1
27	Characteristics of airflow in the platform with high-speed train passing through the underground railway station. <i>E3S Web of Conferences</i> , <b>2020</b> , 165, 04075	0.5	
26	A review on mixing laws of laminar flame speed and their applications on H <sub>2</sub> /CH <sub>4</sub> /CO/air mixtures. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 20482-20490	6.7	5
25	Effects of CO addition on laminar flame characteristics and chemical reactions of H <sub>2</sub> and CH <sub>4</sub> in oxy-fuel (O <sub>2</sub> /CO <sub>2</sub> ) atmosphere. <i>International Journal of Hydrogen Energy</i> , <b>2020</b> , 45, 20472-20481	6.7	5
24	A novel tin-bromine redox flow battery for large-scale energy storage. <i>Applied Energy</i> , <b>2019</b> , 255, 113756	6.7	21
23	Effect of the initial pressures on evolution of intrinsically unstable hydrogen/air premixed flame fronts. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 17030-17040	6.7	12
22	Explosion behavior predictions of syngas/air mixtures with dilutions at elevated pressures: Explosion and intrinsic flame instability parameters. <i>Fuel</i> , <b>2019</b> , 255, 115724	7.1	35
21	Effects of the external turbulence on centrally-ignited spherical unstable CH <sub>4</sub> /H <sub>2</sub> /air flames in the constant-volume combustion bomb. <i>International Journal of Hydrogen Energy</i> , <b>2019</b> , 44, 20452-20461	6.7	15
20	Investigation on the highly negative curved syngas Bunsen flame and the critical local Karlovitz number when tip opening. <i>Fuel</i> , <b>2018</b> , 215, 429-437	7.1	6
19	Pressure effects on flame structures and chemical pathways for lean premixed turbulent H <sub>2</sub> /air flames: Three-dimensional DNS studies. <i>Fuel</i> , <b>2018</b> , 215, 320-329	7.1	10
18	A comprehensive review on laminar spherically premixed flame propagation of syngas. <i>Fuel Processing Technology</i> , <b>2018</b> , 181, 97-114	7.2	36
17	Effects of pressure and Karlovitz number on the turbulence-flame interactions in lean premixed H <sub>2</sub> /air flames. <i>Fuel</i> , <b>2018</b> , 234, 1293-1300	7.1	7
16	Effects of Initiation Radius Selection and Lewis Number on Extraction of Laminar Burning Velocities from Spherically Expanding Flames. <i>Combustion Science and Technology</i> , <b>2017</b> , 1-26	1.5	
15	Effect of H <sub>2</sub> O Addition on the Flame Front Evolution of Syngas Spherical Propagation Flames. <i>Combustion Science and Technology</i> , <b>2016</b> , 188, 1054-1072	1.5	33
14	Pressure history in the explosion of moist syngas/air mixtures. <i>Fuel</i> , <b>2016</b> , 185, 18-25	7.1	57

13	Self-acceleration of cellular flames and laminar flame speed of syngas/air mixtures at elevated pressures. <i>International Journal of Hydrogen Energy</i> , <b>2016</b> , 41, 18250-18258	6.7	70
12	Laminar flame characteristics and kinetic modeling study of methanol-isooctane blends at elevated temperatures. <i>Fuel</i> , <b>2016</b> , 184, 836-845	7.1	26
11	Effects of oxygen enrichment on laminar burning velocities and Markstein lengths of CH <sub>4</sub> /O <sub>2</sub> /N <sub>2</sub> flames at elevated pressures. <i>Fuel</i> , <b>2016</b> , 184, 466-473	7.1	38
10	Cellular instabilities of non-adiabatic laminar flat methane/hydrogen oxy-fuel flames highly diluted with CO <sub>2</sub> . <i>Fuel</i> , <b>2015</b> , 143, 38-46	7.1	24
9	Laminar flame speeds and ignition delay times of methane-air mixtures at elevated temperatures and pressures. <i>Fuel</i> , <b>2015</b> , 158, 1-10	7.1	151
8	Effects of stretch and preferential diffusion on tip opening of laminar premixed Bunsen flames of syngas/air mixtures. <i>Fuel</i> , <b>2015</b> , 148, 1-8	7.1	23
7	Laminar burning velocities, Markstein lengths, and flame thickness of liquefied petroleum gas with hydrogen enrichment. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 13020-13030	6.7	28
6	Thermal and Chemical Effects of Water Addition on Laminar Burning Velocity of Syngas. <i>Energy &amp; Fuels</i> , <b>2014</b> , 28, 3391-3398	4.1	45
5	Measurement on instantaneous flame front structure of turbulent premixed CH <sub>4</sub> /H <sub>2</sub> /air flames. <i>Experimental Thermal and Fluid Science</i> , <b>2014</b> , 52, 288-296	3	45
4	Comparative study on the effect of CO <sub>2</sub> and H <sub>2</sub> O dilution on laminar burning characteristics of CO/H <sub>2</sub> /air mixtures. <i>International Journal of Hydrogen Energy</i> , <b>2014</b> , 39, 3450-3458	6.7	74
3	Correlation of turbulent burning velocity for syngas/air mixtures at high pressure up to 1.0MPa. <i>Experimental Thermal and Fluid Science</i> , <b>2013</b> , 50, 90-96	3	26
2	Flame front structure and burning velocity of turbulent premixed CH <sub>4</sub> /H <sub>2</sub> /air flames. <i>International Journal of Hydrogen Energy</i> , <b>2013</b> , 38, 11421-11428	6.7	43
1	Experimental and Numerical Study on Laminar Flame Characteristics of Methane Oxy-fuel Mixtures Highly Diluted with CO <sub>2</sub> . <i>Energy &amp; Fuels</i> , <b>2013</b> , 27, 6231-6237	4.1	124