Wenjun Kong

List of Publications by Year in Descending Order

46 papers	580 citations	13 h-index	22 g-index
50 ext. papers	704 ext. citations	3.9 avg, IF	4.34 L-index

#	Paper	IF	Citations
46	Effect of Hydrogen-Rich Fuels on Turbulent Combustion of Advanced Gas Turbine. *Journal of Thermal Science*, **2022**, 31, 561-570	1.9	1
45	Effects of hydrogen addition on combustion characteristics of a free-piston linear engine with glow-assisted ignition. *International Journal of Hydrogen Energy*, **2021**, 46, 23040-23052	6.7	4
44	Experimental and Numerical Studies of a Microscale Internal Combustion Swing Engine (MICSE). *Journal of Thermal Science*, **2021**, 30, 1705-1717	1.9	0
43	Steered molecular dynamics and stability analysis on PAH dimerisation and condensation on fullerene and soot surfaces. *Physical Chemistry Chemical Physics*, **2021**, 23, 19590-19601	3.6	0
42	Effect of hydrogen addition on the operating characteristics of a free piston linear engine. *International Journal of Hydrogen Energy*, **2020**, 45, 15402-15413	6.7	9
41	Flame Propagation in Millimeter-Scale Tubes for Lean Ethylene–Oxygen Mixtures. *AIAA Journal*, **2020**, 58, 1337-1347	2.1	2
40	Experimental investigation of operating characteristics and thermal balance of a miniature free-piston linear engine. *Applied Thermal Engineering*, **2020**, 178, 115608	5.8	8
39	An Exponential Integrator with Schur–Krylov Approximation to accelerate combustion chemistry computation. *Combustion and Flame*, **2019**, 203, 180-189	5.3	2
38	Experimental study on the operating characteristics of a reciprocating free-piston linear engine. *Applied Thermal Engineering*, **2019**, 161, 114131	5.8	10
37	Ignition and Combustion Characteristics of Overloaded Wire Insulations Under Weakly Buoyancy or Microgravity Environments. *Research for Development*, **2019**, 191-235	0.4	1
36	Kinetic Enhancement of Microchannel Detonation Transition by Ozone Addition to Acetylene Mixtures. *AIAA Journal*, **2019**, 57, 476-481	2.1	5
35	Smoke emission and temperature characteristics of the long-term overloaded wire in space. *Journal of Fire Sciences*, **2019**, 37, 99-116	1.5	2
34	Kinetic Enhancement of Microchannel Detonation Transition by Ozone Addition to Acetylene Mixtures **2019**,		1
33	Study on soot nucleation and growth from PAHs and some reactive species at flame temperatures by ReaxFF molecular dynamics. *Chemical Engineering Science*, **2019**, 195, 748-757	4.4	38
32	Propagation and failure mechanism of cylindrical detonation in free space. *Combustion and Flame*, **2018**, 192, 295-313	5.3	10
31	LES modelling of turbulent non-premixed jet flames with correlated dynamic adaptive chemistry. *Combustion Theory and Modelling*, **2018**, 22, 694-713	1.5	3
30	On the modeling of the filtered radiative transfer equation in large eddy simulations of lab-scale sooting turbulent diffusion flames. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2018**, 221, 51-60	2.1	13

29	H2/CO/air premixed and partially premixed flame structure at different pressures based on reaction limit analysis. *Science Bulletin*, **2018**, 63, 1260-1266	10.6	2
28	The role of global curvature on the structure and propagation of weakly unstable cylindrical detonations. *Journal of Fluid Mechanics*, **2017**, 813, 458-481	3.7	13
27	Large eddy simulation of methane/air lifted flame with hot co-flow. *Numerical Heat Transfer; Part A: Applications*, **2016**, 70, 282-292	2.3	3
26	Study on Fire Initiation of Wire Insulation by a Narrow Channel at low Pressure. *Microgravity Science and Technology*, **2016**, 28, 155-163	1.6	4
25	Laminar flame speeds of lean high-hydrogen syngas at normal and elevated pressures. *Fuel*, **2016**, 181, 958-963	7.1	19
24	Investigations of leakage mechanisms and its influences on a micro swing engine considering rarefaction effects. *Applied Thermal Engineering*, **2016**, 106, 674-680	5.8	13
23	Pulsating instability in H2□ir partially premixed flames. *Proceedings of the Combustion Institute*, **2015**, 35, 1057-1064	5.9	6
22	Laminar flame speeds of H2/CO with CO2 dilution at normal and elevated pressures and temperatures. *Fuel*, **2015**, 148, 32-38	7.1	59
21	Effect of hydrogen and helium addition to fuel on soot formation in an axisymmetric coflow laminar methane/air diffusion flame. *International Journal of Hydrogen Energy*, **2014**, 39, 3936-3946	6.7	49
20	Laminar flame speed and Markstein length of syngas at normal and elevated pressures and temperatures. *Fuel*, **2014**, 137, 339-345	7.1	34
19	Study on the pre-ignition temperature variations of wire insulation under overload conditions in microgravity by the functional simulation method. *Journal of Fire Sciences*, **2014**, 32, 257-280	1.5	7
18	Interaction of pressure wave and propagating flame during knock. *International Journal of Hydrogen Energy*, **2013**, 38, 15510-15519	6.7	9
17	The Liftoff Properties of Dimethyl Ether Jet Diffusion Flames With Preheating **2013**,		1
16	Effect of Confinement on Combustion Characteristics in Lean Direct Injection Combustion System **2013**,		2
15	Study on the pre-ignition characteristics of wire insulation in the narrow channel setup. *Science China Technological Sciences*, **2012**, 55, 2132-2139	3.5	3
14	Effects of diluents on the ignition of premixed H2/air mixtures. *Combustion and Flame*, **2012**, 159, 151-160	3.3	59
13	The importance of thermal radiation transfer in laminar diffusion flames at normal and microgravity. *Journal of Quantitative Spectroscopy and Radiative Transfer*, **2011**, 112, 1241-1249	2.1	14
12	An investigation of the thermal sensitivity and stability of the □NaYF4:Yb,Er upconversion nanophosphors. *Journal of Applied Physics*, **2010**, 107, 054901	2.5	55

11	Effects of Gravity on Soot Formation in a Coflow Laminar Methane/Air Diffusion Flame. *Microgravity Science and Technology*, **2010**, 22, 205-214	1.6	10
10	Flame synthesis and effects of host materials on Yb3+/Er3+ co-doped upconversion nanophosphors. *Materials Letters*, **2010**, 64, 688-691	3.3	34
9	Numerical study of the effects of gravity on soot formation in laminar coflow methane/air diffusion flames under different air stream velocities. *Combustion Theory and Modelling*, **2009**, 13, 993-1023	1.5	22
8	Study on Prefire Phenomena of Wire Insulation at Microgravity. *Microgravity Science and Technology*, **2008**, 20, 107-113	1.6	12
7	Experimental Observation and Numerical Modelling of a Laminar Double Coflow Methane/Air Diffusion Flame **2007**, 761		1
6	Structure and Soot Formation Characteristics of a Double Coflow Methane Diffusion Flame **2006**,		1
5	Effects of fuel properties on the combustion behavior of different types of porous beds soaked with combustible liquid. *International Journal of Heat and Mass Transfer*, **2004**, 47, 5201-5210	4.9	12
4	Behavior of non-spread diffusion flames of combustible liquid soaked in porous beds. *Proceedings of the Combustion Institute*, **2002**, 29, 251-257	5.9	8
3	Burning Characteristics of Non-Spread Diffusion Flames of Liquid Fuel Soaked in Porous Beds. *Journal of Fire Sciences*, **2002**, 20, 203-225	1.5	8
2	Forced Forward Smoldering Propagation in Horizontally Oriented Flexible Polyurethane Foam. *Journal of Fire Sciences*, **2002**, 20, 113-131	1.5	9
1	Low-NOx combustion and experimental investigation in a rotary type pulverized coal classifier. *Journal of Thermal Science*, **1995**, 4, 26-30	1.9	