

Wenjun Kong

List of Publications by Citations

Source: <https://exaly.com/author-pdf/7157160/wenjun-kong-publications-by-citations.pdf>

Version: 2024-04-27

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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

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	Laminar flame speeds of H ₂ /CO with CO ₂ dilution at normal and elevated pressures and temperatures. <i>Fuel</i> , 2015 , 148, 32-38	7.1	59
45	Effects of diluents on the ignition of premixed H ₂ /air mixtures. <i>Combustion and Flame</i> , 2012 , 159, 151-160	6.3	59
44	An investigation of the thermal sensitivity and stability of the $\text{NaYF}_4\text{:Yb,Er}$ upconversion nanophosphors. <i>Journal of Applied Physics</i> , 2010 , 107, 054901	2.5	55
43	Effect of hydrogen and helium addition to fuel on soot formation in an axisymmetric coflow laminar methane/air diffusion flame. <i>International Journal of Hydrogen Energy</i> , 2014 , 39, 3936-3946	6.7	49
42	Study on soot nucleation and growth from PAHs and some reactive species at flame temperatures by ReaxFF molecular dynamics. <i>Chemical Engineering Science</i> , 2019 , 195, 748-757	4.4	38
41	Laminar flame speed and Markstein length of syngas at normal and elevated pressures and temperatures. <i>Fuel</i> , 2014 , 137, 339-345	7.1	34
40	Flame synthesis and effects of host materials on Yb ³⁺ /Er ³⁺ co-doped upconversion nanophosphors. <i>Materials Letters</i> , 2010 , 64, 688-691	3.3	34
39	Numerical study of the effects of gravity on soot formation in laminar coflow methane/air diffusion flames under different air stream velocities. <i>Combustion Theory and Modelling</i> , 2009 , 13, 993-1023	1.5	22
38	Laminar flame speeds of lean high-hydrogen syngas at normal and elevated pressures. <i>Fuel</i> , 2016 , 181, 958-963	7.1	19
37	The importance of thermal radiation transfer in laminar diffusion flames at normal and microgravity. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011 , 112, 1241-1249	2.1	14
36	The role of global curvature on the structure and propagation of weakly unstable cylindrical detonations. <i>Journal of Fluid Mechanics</i> , 2017 , 813, 458-481	3.7	13
35	Investigations of leakage mechanisms and its influences on a micro swing engine considering rarefaction effects. <i>Applied Thermal Engineering</i> , 2016 , 106, 674-680	5.8	13
34	On the modeling of the filtered radiative transfer equation in large eddy simulations of lab-scale sooting turbulent diffusion flames. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018 , 221, 51-60	2.1	13
33	Study on Prefire Phenomena of Wire Insulation at Microgravity. <i>Microgravity Science and Technology</i> , 2008 , 20, 107-113	1.6	12
32	Effects of fuel properties on the combustion behavior of different types of porous beds soaked with combustible liquid. <i>International Journal of Heat and Mass Transfer</i> , 2004 , 47, 5201-5210	4.9	12
31	Propagation and failure mechanism of cylindrical detonation in free space. <i>Combustion and Flame</i> , 2018 , 192, 295-313	5.3	10
30	Experimental study on the operating characteristics of a reciprocating free-piston linear engine. <i>Applied Thermal Engineering</i> , 2019 , 161, 114131	5.8	10

29	Effects of Gravity on Soot Formation in a Coflow Laminar Methane/Air Diffusion Flame. <i>Microgravity Science and Technology</i> , 2010 , 22, 205-214	1.6	10
28	Effect of hydrogen addition on the operating characteristics of a free piston linear engine. <i>International Journal of Hydrogen Energy</i> , 2020 , 45, 15402-15413	6.7	9
27	Interaction of pressure wave and propagating flame during knock. <i>International Journal of Hydrogen Energy</i> , 2013 , 38, 15510-15519	6.7	9
26	Forced Forward Smoldering Propagation in Horizontally Oriented Flexible Polyurethane Foam. <i>Journal of Fire Sciences</i> , 2002 , 20, 113-131	1.5	9
25	Behavior of non-spread diffusion flames of combustible liquid soaked in porous beds. <i>Proceedings of the Combustion Institute</i> , 2002 , 29, 251-257	5.9	8
24	Burning Characteristics of Non-Spread Diffusion Flames of Liquid Fuel Soaked in Porous Beds. <i>Journal of Fire Sciences</i> , 2002 , 20, 203-225	1.5	8
23	Experimental investigation of operating characteristics and thermal balance of a miniature free-piston linear engine. <i>Applied Thermal Engineering</i> , 2020 , 178, 115608	5.8	8
22	Study on the pre-ignition temperature variations of wire insulation under overload conditions in microgravity by the functional simulation method. <i>Journal of Fire Sciences</i> , 2014 , 32, 257-280	1.5	7
21	Pulsating instability in H ₂ /air partially premixed flames. <i>Proceedings of the Combustion Institute</i> , 2015 , 35, 1057-1064	5.9	6
20	Kinetic Enhancement of Microchannel Detonation Transition by Ozone Addition to Acetylene Mixtures. <i>AIAA Journal</i> , 2019 , 57, 476-481	2.1	5
19	Study on Fire Initiation of Wire Insulation by a Narrow Channel at low Pressure. <i>Microgravity Science and Technology</i> , 2016 , 28, 155-163	1.6	4
18	Effects of hydrogen addition on combustion characteristics of a free-piston linear engine with glow-assisted ignition. <i>International Journal of Hydrogen Energy</i> , 2021 , 46, 23040-23052	6.7	4
17	LES modelling of turbulent non-premixed jet flames with correlated dynamic adaptive chemistry. <i>Combustion Theory and Modelling</i> , 2018 , 22, 694-713	1.5	3
16	Large eddy simulation of methane/air lifted flame with hot co-flow. <i>Numerical Heat Transfer; Part A: Applications</i> , 2016 , 70, 282-292	2.3	3
15	Study on the pre-ignition characteristics of wire insulation in the narrow channel setup. <i>Science China Technological Sciences</i> , 2012 , 55, 2132-2139	3.5	3
14	An Exponential Integrator with Schur-Rylov Approximation to accelerate combustion chemistry computation. <i>Combustion and Flame</i> , 2019 , 203, 180-189	5.3	2
13	Effect of Confinement on Combustion Characteristics in Lean Direct Injection Combustion System 2013 ,		2
12	Flame Propagation in Millimeter-Scale Tubes for Lean Ethylene/Oxygen Mixtures. <i>AIAA Journal</i> , 2020 , 58, 1337-1347	2.1	2

11	Smoke emission and temperature characteristics of the long-term overloaded wire in space. <i>Journal of Fire Sciences</i> , 2019 , 37, 99-116	1.5	2
10	H ₂ /CO/air premixed and partially premixed flame structure at different pressures based on reaction limit analysis. <i>Science Bulletin</i> , 2018 , 63, 1260-1266	10.6	2
9	The Liftoff Properties of Dimethyl Ether Jet Diffusion Flames With Preheating 2013 ,		1
8	Experimental Observation and Numerical Modelling of a Laminar Double Coflow Methane/Air Diffusion Flame 2007 , 761		1
7	Structure and Soot Formation Characteristics of a Double Coflow Methane Diffusion Flame 2006 ,		1
6	Ignition and Combustion Characteristics of Overloaded Wire Insulations Under Weakly Buoyancy or Microgravity Environments. <i>Research for Development</i> , 2019 , 191-235	0.4	1
5	Kinetic Enhancement of Microchannel Detonation Transition by Ozone Addition to Acetylene Mixtures 2019 ,		1
4	Effect of Hydrogen-Rich Fuels on Turbulent Combustion of Advanced Gas Turbine. <i>Journal of Thermal Science</i> , 2022 , 31, 561-570	1.9	1
3	Experimental and Numerical Studies of a Microscale Internal Combustion Swing Engine (MICSE). <i>Journal of Thermal Science</i> , 2021 , 30, 1705-1717	1.9	0
2	Steered molecular dynamics and stability analysis on PAH dimerisation and condensation on fullerene and soot surfaces. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 19590-19601	3.6	0
1	Low-NO _x combustion and experimental investigation in a rotary type pulverized coal classifier. <i>Journal of Thermal Science</i> , 1995 , 4, 26-30	1.9	