

Kuibin Zhou

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

500
citations

687363

13
h-index

713466

21
g-index

31
all docs

31
docs citations

31
times ranked

232
citing authors

#	ARTICLE	IF	CITATIONS
1	Effect of flow circulation on combustion dynamics of fire whirl. Proceedings of the Combustion Institute, 2013, 34, 2617-2624.	3.9	64
2	Prediction of radiant heat flux from horizontal propane jet fire. Applied Thermal Engineering, 2016, 106, 634-639.	6.0	45
3	Thermal radiation modelling of pool fire with consideration on the nonuniform temperature in flame volume. International Journal of Thermal Sciences, 2019, 138, 12-23.	4.9	38
4	Flame extension area and temperature profile of horizontal jet fire impinging on a vertical plate. Chemical Engineering Research and Design, 2021, 147, 547-558.	5.6	37
5	Thermal Radiation From Vertical Turbulent Jet Flame: Line Source Model. Journal of Heat Transfer, 2016, 138, .	2.1	35
6	Effect of nozzle exit shape on the geometrical features of horizontal turbulent jet flame. Fuel, 2020, 260, 116356.	6.4	32
7	Thermal Radiation from Fire Whirls: Revised Solid Flame Model. Fire Technology, 2014, 50, 1573-1587.	3.0	30
8	A theoretical framework for calculating full-scale jet fires induced by high-pressure hydrogen/natural gas transient leakage. International Journal of Hydrogen Energy, 2018, 43, 22765-22775.	7.1	22
9	Effect of Wind on Fire Whirl Over a Line Fire. Fire Technology, 2016, 52, 865-875.	3.0	20
10	Generalization of the radiative fraction correlation for hydrogen and hydrocarbon jet fires in subsonic and choked flow regimes. International Journal of Hydrogen Energy, 2018, 43, 9870-9876.	7.1	20
11	A Model Considering the Flame Volume for Prediction of Thermal Radiation from Pool Fire. Fire Technology, 2019, 55, 129-148.	3.0	19
12	Prediction of state property, flow parameter and jet flame size during transient releases from hydrogen storage systems. International Journal of Hydrogen Energy, 2018, 43, 12565-12573.	7.1	16
13	Validity evaluation on temperature correction methods by thermocouples with different bead diameters and application of corrected temperature. International Journal of Thermal Sciences, 2018, 125, 305-312.	4.9	14
14	Jet fires involving releases of gas and solid particle. Chemical Engineering Research and Design, 2021, 156, 196-208.	5.6	14
15	Experimental Study of Firebrand Transport. Fire Technology, 2015, 51, 785-799.	3.0	13
16	Prediction of Flame Length of Horizontal Hydrogen Jet Fire during High-pressure Leakage Process. Procedia Engineering, 2018, 211, 471-478.	1.2	13
17	An experimental study of jet fires in rotating flow fields. Combustion and Flame, 2019, 210, 193-203.	5.2	11
18	Numerical simulation of thermal response behavior of floating-roof tanks exposed to pool fire. Applied Thermal Engineering, 2020, 179, 115692.	6.0	10

#	ARTICLE	IF	CITATIONS
19	Experimental study on flame interaction and geometrical features of two identical fires on a slope. Fire Safety Journal, 2021, 126, 103463.	3.1	8
20	An experimental study of jet fires in pits. Chemical Engineering Research and Design, 2022, 163, 131-143.	5.6	6
21	Analysis for Fire Plume Temperature in Developing Area and Radiation Heat Flux Distribution in Small-scale Pool Fire. Procedia Engineering, 2018, 211, 606-613.	1.2	5
22	Thermally-driven vortex resulting from the linear heat wires of different shapes under cross wind. Applied Thermal Engineering, 2019, 163, 114495.	6.0	5
23	Thermal Hazard Analysis of Styrene Polymerization in Microreactor of Varying Diameter. Processes, 2020, 8, 1650.	2.8	5
24	Temperature Control of Exothermic Reactions Using n-Octadecane@MF Resin microPCMs Based on Esterification Reactions. Processes, 2022, 10, 239.	2.8	5
25	Experimental research on the burning behavior of dragon juniper tree. Fire and Materials, 2018, 42, 173-182.	2.0	4
26	CFD Study of Termination of Fire Whirls in Urban Fires. Procedia Engineering, 2013, 62, 1040-1049.	1.2	3
27	Radiant heat feedback from a jet flame to the ruptured tank surface. International Journal of Thermal Sciences, 2022, 172, 107322.	4.9	2
28	An analytical model for predicting the flame length of fire lines and tree crown scorching. International Journal of Wildland Fire, 2022, 31, 240-254.	2.4	2
29	Fire Whirls. , 2018, , 1-9.		1
30	Fire Whirls. , 2020, , 417-425.		1