Hui Zhang

List of Publications by Year
in descending order

31 papers	587 citations	687363 13 h-index	642732 23 g-index
31 all docs	31 docs citations	31 times ranked	451 citing authors

#	Article	IF	Citations
1	Combustion characteristics of n-heptane and wood crib fires at different altitudes. Proceedings of the Combustion Institute, 2009, 32, 2481-2488.	3.9	120
2	Transmissibility of COVID-19 in 11 major cities in China and its association with temperature and humidity in Beijing, Shanghai, Guangzhou, and Chengdu. Infectious Diseases of Poverty, 2020, 9, 87.	3.7	55
3	A new crowdsourcing model to assess disaster using microblog data in typhoon Haiyan. Natural Hazards, 2016, 84, 1241-1256.	3.4	54
4	Experimental study of n-Heptane pool fire behavior in an altitude chamber. International Journal of Heat and Mass Transfer, 2013, 62, 543-552.	4.8	49
5	Experimental study of large-scale fire behavior under low pressure at high altitude. Journal of Fire Sciences, 2013, 31, 481-494.	2.0	30
6	Experimental study of the mass burning rate in n-Heptane pool fire under dynamic pressure. Applied Thermal Engineering, 2017, 113, 1004-1010.	6.0	29
7	New Inverse Model for Detecting Fire-Source Location and Intensity. Journal of Thermophysics and Heat Transfer, 2010, 24, 745-755.	1.6	25
8	Decentralized Inverse Model for Estimating Building Fire Source Location and Intensity. Journal of Thermophysics and Heat Transfer, 2013, 27, 563-575.	1.6	19
9	Comparative Study of Government Response Measures and Epidemic Trends for COVID€19 Global Pandemic. Risk Analysis, 2022, 42, 40-55.	2.7	19
10	Design and optimization of substrate placement for large-sized and high-quality fused silica glass by $SiCl_4$ flame hydrolysis deposition. International Journal of Heat and Mass Transfer, 2017, 111, 917-932.	4.8	18
11	A modified social force model considering relative velocity of pedestrians. , 2013, , .		17
12	Modified Social Force Model Based on Predictive Collision Avoidance Considering Degree of Competitiveness. Fire Technology, 2017, 53, 331-351.	3.0	17
13	Detecting information requirements for crisis communication from social media data: An interactive topic modeling approach. International Journal of Disaster Risk Reduction, 2020, 50, 101692.	3.9	17
14	Forecasting of COVID-19: spread with dynamic transmission rate. Journal of Safety Science and Resilience, 2020, 1, 91-96.	2.3	14
15	Heat release rate determination of pool fire at different pressure conditions. Fire and Materials, 2018, 42, 620-626.	2.0	13
16	Numerical Modeling of Liquid n-heptane Pool Fires based on Heat Feedback Equilibrium. Procedia Engineering, 2013, 62, 377-388.	1.2	12
17	Experimental study on the burning behavior and combustion toxicity of corrugated cartons under varying sub-atmospheric pressure. Journal of Hazardous Materials, 2019, 379, 120785.	12.4	11
18	Multi-hazard disaster scenario method and emergency management for urban resilience by integrating experiment€"simulation€"field data. Journal of Safety Science and Resilience, 2021, 2, 77-89.	2.3	11

#	Article	IF	Citations
19	Modeling analysis on the silica glass synthesis in a hydrogen diffusion flame. International Journal of Heat and Mass Transfer, 2015, 81, 797-803.	4.8	9
20	Emergency-Oriented Spatiotemporal Trajectory Pattern Recognition by Intelligent Sensor Devices. IEEE Access, 2017, 5, 3687-3697.	4.2	8
21	Enhancing situation awareness of public safety events by visualizing topic evolution using social media. , 2018, , .		8
22	An experimental and modeling study of heat radiation characteristics of inclined ceiling jet in an airplane cargo compartment. Fire and Materials, 2019, 43, 794-801.	2.0	8
23	Keyword-Based Semantic Analysis of Microblog for Public Opinion Study in Online Collective Behaviors. Lecture Notes in Computer Science, 2014, , 44-55.	1.3	6
24	Social Media Usage During Disasters: Exploring the Impact of Location and Distance on Online Engagement. Disaster Medicine and Public Health Preparedness, 2020, 14, 183-191.	1.3	4
25	Experimental study on the burning behavior of cardboard box fire under low air pressure. Fire and Materials, 2021, 45, 273-282.	2.0	3
26	Experimental study of fire propagation and heat transfer of biomass straw fuel with different stacked diameters and thicknesses. Fuel, 2022, 315, 123260.	6.4	3
27	Informational analysis of MODIS NDVI and EVI time series of sites affected and unaffected by wildfires. Physica A: Statistical Mechanics and Its Applications, 2022, 604, 127911.	2.6	3
28	Experimental investigation on the influence of annular pool shape characteristics on n‑heptane ring fires. Fire and Materials, 2020, 44, 640-647.	2.0	2
29	Identification of the high-risk residence communities and possible risk factors of COVID-19 in Wuhan, China. Journal of Safety Science and Resilience, 2021, 2, 31-39.	2.3	2
30	An advanced fire estimation model for decentralized building control. Building Simulation, 2015, 8, 579-591.	5.6	1
31	Preventive and control system for the life cycle of a pandemic. Journal of Safety Science and Resilience, 2022, , .	2.3	0