Hong Huang

List of Publications by Year
in descending order

47	1,194	279798	395702
papers	citations	23	33
		h-index	g-index

48	48	48	1101
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fomite Transmission Follows Invasion Ecology Principles. MSystems, 2022, , e0021122.	3.8	1
2	Study of Local Traffic Flow Fluctuation under Rainfall and Waterlogging with Characteristics of Dynamic Spatiotemporal Changes. Journal of Transportation Engineering Part A: Systems, 2022, 148, .	1.4	3
3	The 2020 China report of the Lancet Countdown on health and climate change. Lancet Public Health, The, 2021, 6, e64-e81.	10.0	106
4	Resilience-Oriented Performance Assessment Method for Road-Traffic System: A Case Study in Beijing, China. KSCE Journal of Civil Engineering, 2021, 25, 3977-3994.	1.9	6
5	Surface touch network structure determines bacterial contamination spread on surfaces and occupant exposure. Journal of Hazardous Materials, 2021, 416, 126137.	12.4	6
6	The 2021 China report of the Lancet Countdown on health and climate change: seizing the window of opportunity. Lancet Public Health, The, 2021, 6, e932-e947.	10.0	41
7	An experimental study on the burning rate of a continuously released n-heptane spill fire on an open water surface. Journal of Loss Prevention in the Process Industries, 2020, 63, 104033.	3.3	14
8	Experimental investigation on the burning behaviors of thin-layer transformer oil on a water layer. Chemical Engineering Research and Design, 2020, 139, 89-97.	5.6	16
9	Experimental study on the spread and burning behaviors of continuously discharge spill fires under different slopes. Journal of Hazardous Materials, 2020, 392, 122352.	12.4	30
10	A new cellular automaton model accounting for stochasticity in traffic flow induced by heterogeneity in driving behavior*. Chinese Physics B, 2019, 28, 098901.	1.4	6
11	Experimental study on the liquid layer spread and burning behaviors of continuous heptane spill fires. Chemical Engineering Research and Design, 2019, 122, 320-327.	5.6	27
12	Source inversion of both long- and short-lived radionuclide releases from the Fukushima Daiichi nuclear accident using on-site gamma dose rates. Journal of Hazardous Materials, 2019, 379, 120770.	12.4	29
13	Revealing Spatial-Temporal Characteristics and Patterns of Urban Travel: A Large-Scale Analysis and Visualization Study with Taxi GPS Data. ISPRS International Journal of Geo-Information, 2019, 8, 257.	2.9	28
14	An Urban Road-Traffic Commuting Dynamics Study Based on Hotspot Clustering and a New Proposed Urban Commuting Electrostatics Model. ISPRS International Journal of Geo-Information, 2019, 8, 190.	2.9	3
15	The Tsinghua–Lancet Commission on Healthy Cities in China: unlocking the power of cities for a healthy China. Lancet, The, 2018, 391, 2140-2184.	13.7	155
16	Experimental study of continuously released liquid fuel spill fires on land and water in a channel. Journal of Loss Prevention in the Process Industries, 2018, 52, 21-28.	3.3	20
17	Experimental study of the burning behaviors of thin-layer pool fires. Combustion and Flame, 2018, 193, 327-334.	5.2	31
18	Resilience Analysis of Countries under Disasters Based on Multisource Data. Risk Analysis, 2018, 38, 31-42.	2.7	16

#	Article	IF	Citations
19	A human behavior integrated hierarchical model of airborne disease transmission in a large city. Building and Environment, 2018, 127, 211-220.	6.9	45
20	Spatial data mining and O-D hotspots discovery in cities based on an O-D hotspots clustering model using vehicles' GPS data. , 2018, , .		2
21	Surface touch and its network growth in a graduate student office. Indoor Air, 2018, 28, 963-972.	4.3	31
22	Quantitative association analysis between PM2.5 concentration and factors on industry, energy, agriculture, and transportation. Scientific Reports, 2018, 8, 9461.	3.3	19
23	An experimental investigation into the effect of substrate slope on the continuously released liquid fuel spill fires. Journal of Loss Prevention in the Process Industries, 2017, 45, 203-209.	3.3	21
24	Spread and burning behavior of continuous spill fires. Fire Safety Journal, 2017, 91, 347-354.	3.1	29
25	Experiments investigating fuel spread behaviors for continuous spill fires on fireproof glass. Journal of Fire Sciences, 2017, 35, 80-95.	2.0	26
26	Quantitative risk assessment of continuous liquid spill fires based on spread and burning behaviours. Applied Thermal Engineering, 2017, 126, 500-506.	6.0	19
27	Experimental study on burning behaviors and thermal radiative penetration of thin-layer burning. Journal of Thermal Analysis and Calorimetry, 2017, 130, 1153-1162.	3.6	22
28	Simulation Model for Fuel Spreading on Complex Topography Based on Hydrodynamics. , 2017, , .		1
29	Personal Decision-Making Plan Under Hazardous Gas Leakage. , 2017, , .		0
30	Experimental study of burning rate in large-scale rectangular pool fire. Journal of Fire Sciences, 2016, 34, 323-334.	2.0	3
31	Contact infection of infectious disease onboard a cruise ship. Scientific Reports, 2016, 6, 38790.	3.3	28
32	Dynamic population flow based risk analysis of infectious disease propagation in a metropolis. Environment International, 2016, 94, 369-379.	10.0	33
33	Experimental and modeling study of the behavior of a large-scale spill fire on a water layer. Journal of Loss Prevention in the Process Industries, 2016, 43, 514-520.	3.3	21
34	Integrated simulation method for waterlogging and traffic congestion under urban rainstorms. Natural Hazards, 2016, 81, 23-40.	3.4	49
35	Chapter 2 Information Dissemination Analysis of Different Media towards the Application for Disaster Pre-Warning. , 2016, , 19-54.		0
36	The numerical simulation of caesium-137 transportation in ocean and the assessment of its radioactive impacts after Fukushima NPP release. Science China Earth Sciences, 2015, 58, 996-1004.	5.2	2

#	ARTICLE	IF	CITATIONS
37	An experimental and modeling study of continuous liquid fuel spill fires on water. Journal of Loss Prevention in the Process Industries, 2015, 33, 250-257.	3.3	41
38	Analysis of dynamic road risk for pedestrian evacuation. Physica A: Statistical Mechanics and Its Applications, 2015, 430, 171-183.	2.6	20
39	Information Dissemination Analysis of Different Media towards the Application for Disaster Pre-Warning. PLoS ONE, 2014, 9, e98649.	2.5	28
40	Large-scale experimental study on the spread and burning behavior of continuous liquid fuel spill fires on water. Journal of Fire Sciences, 2014, 32, 391-405.	2.0	25
41	Dynamic 8-state ICSAR rumor propagation model considering official rumor refutation. Physica A: Statistical Mechanics and Its Applications, 2014, 415, 333-346.	2.6	70
42	Population evacuation analysis: considering dynamic population vulnerability distribution and disaster information dissemination. Natural Hazards, 2013, 69, 1629-1646.	3.4	25
43	Social vulnerability for public safety: A case study of Beijing, China. Science Bulletin, 2013, 58, 2387-2394.	1.7	34
44	Optimum design for indoor humidity by coupling Genetic Algorithm with transient simulation based on Contribution Ratio of Indoor Humidity and Climate analysis. Energy and Buildings, 2012, 47, 208-216.	6.7	35
45	Experimental Study towards the Construction of Fire Prevention Regulation for Gas Station in China. Fire Science and Technology, 2012, 31, 99-106.	0.5	0
46	Development of new indices to assess the contribution of moisture sources to indoor humidity and application to optimization design: Proposal of CRI(H) and a transient simulation for the prediction of indoor humidity. Building and Environment, 2011, 46, 1817-1826.	6.9	25
47	Research on the Daily Gas Load Forecasting Method Based on Support Vector Machine. , 2011, , .		1