

Hong Huang

List of Publications by Year in descending order

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Version: 2024-02-01

47
papers

1,194
citations

279798

23
h-index

395702

33
g-index

48
all docs

48
docs citations

48
times ranked

1101
citing authors

#	ARTICLE	IF	CITATIONS
1	The Tsinghuaâ€“Lancet Commission on Healthy Cities in China: unlocking the power of cities for a healthy China. <i>Lancet, The</i> , 2018, 391, 2140-2184.	13.7	155
2	The 2020 China report of the Lancet Countdown on health and climate change. <i>Lancet Public Health, The</i> , 2021, 6, e64-e81.	10.0	106
3	Dynamic 8-state ICSAR rumor propagation model considering official rumor refutation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2014, 415, 333-346.	2.6	70
4	Integrated simulation method for waterlogging and traffic congestion under urban rainstorms. <i>Natural Hazards</i> , 2016, 81, 23-40.	3.4	49
5	A human behavior integrated hierarchical model of airborne disease transmission in a large city. <i>Building and Environment</i> , 2018, 127, 211-220.	6.9	45
6	An experimental and modeling study of continuous liquid fuel spill fires on water. <i>Journal of Loss Prevention in the Process Industries</i> , 2015, 33, 250-257.	3.3	41
7	The 2021 China report of the Lancet Countdown on health and climate change: seizing the window of opportunity. <i>Lancet Public Health, The</i> , 2021, 6, e932-e947.	10.0	41
8	Optimum design for indoor humidity by coupling Genetic Algorithm with transient simulation based on Contribution Ratio of Indoor Humidity and Climate analysis. <i>Energy and Buildings</i> , 2012, 47, 208-216.	6.7	35
9	Social vulnerability for public safety: A case study of Beijing, China. <i>Science Bulletin</i> , 2013, 58, 2387-2394.	1.7	34
10	Dynamic population flow based risk analysis of infectious disease propagation in a metropolis. <i>Environment International</i> , 2016, 94, 369-379.	10.0	33
11	Experimental study of the burning behaviors of thin-layer pool fires. <i>Combustion and Flame</i> , 2018, 193, 327-334.	5.2	31
12	Surface touch and its network growth in a graduate student office. <i>Indoor Air</i> , 2018, 28, 963-972.	4.3	31
13	Experimental study on the spread and burning behaviors of continuously discharge spill fires under different slopes. <i>Journal of Hazardous Materials</i> , 2020, 392, 122352.	12.4	30
14	Spread and burning behavior of continuous spill fires. <i>Fire Safety Journal</i> , 2017, 91, 347-354.	3.1	29
15	Source inversion of both long- and short-lived radionuclide releases from the Fukushima Daiichi nuclear accident using on-site gamma dose rates. <i>Journal of Hazardous Materials</i> , 2019, 379, 120770.	12.4	29
16	Information Dissemination Analysis of Different Media towards the Application for Disaster Pre-Warning. <i>PLoS ONE</i> , 2014, 9, e98649.	2.5	28
17	Contact infection of infectious disease onboard a cruise ship. <i>Scientific Reports</i> , 2016, 6, 38790.	3.3	28
18	Revealing Spatial-Temporal Characteristics and Patterns of Urban Travel: A Large-Scale Analysis and Visualization Study with Taxi GPS Data. <i>ISPRS International Journal of Geo-Information</i> , 2019, 8, 257.	2.9	28

#	ARTICLE	IF	CITATIONS
19	Experimental study on the liquid layer spread and burning behaviors of continuous heptane spill fires. <i>Chemical Engineering Research and Design</i> , 2019, 122, 320-327.	5.6	27
20	Experiments investigating fuel spread behaviors for continuous spill fires on fireproof glass. <i>Journal of Fire Sciences</i> , 2017, 35, 80-95.	2.0	26
21	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. <i>Building and Environment</i> , 2011, 46, 1817-1826.	6.9	25
22	Population evacuation analysis: considering dynamic population vulnerability distribution and disaster information dissemination. <i>Natural Hazards</i> , 2013, 69, 1629-1646.	3.4	25
23	Large-scale experimental study on the spread and burning behavior of continuous liquid fuel spill fires on water. <i>Journal of Fire Sciences</i> , 2014, 32, 391-405.	2.0	25
24	Experimental study on burning behaviors and thermal radiative penetration of thin-layer burning. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 1153-1162.	3.6	22
25	Experimental and modeling study of the behavior of a large-scale spill fire on a water layer. <i>Journal of Loss Prevention in the Process Industries</i> , 2016, 43, 514-520.	3.3	21
26	An experimental investigation into the effect of substrate slope on the continuously released liquid fuel spill fires. <i>Journal of Loss Prevention in the Process Industries</i> , 2017, 45, 203-209.	3.3	21
27	Analysis of dynamic road risk for pedestrian evacuation. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2015, 430, 171-183.	2.6	20
28	Experimental study of continuously released liquid fuel spill fires on land and water in a channel. <i>Journal of Loss Prevention in the Process Industries</i> , 2018, 52, 21-28.	3.3	20
29	Quantitative risk assessment of continuous liquid spill fires based on spread and burning behaviours. <i>Applied Thermal Engineering</i> , 2017, 126, 500-506.	6.0	19
30	Quantitative association analysis between PM2.5 concentration and factors on industry, energy, agriculture, and transportation. <i>Scientific Reports</i> , 2018, 8, 9461.	3.3	19
31	Resilience Analysis of Countries under Disasters Based on Multisource Data. <i>Risk Analysis</i> , 2018, 38, 31-42.	2.7	16
32	Experimental investigation on the burning behaviors of thin-layer transformer oil on a water layer. <i>Chemical Engineering Research and Design</i> , 2020, 139, 89-97.	5.6	16
33	An experimental study on the burning rate of a continuously released n-heptane spill fire on an open water surface. <i>Journal of Loss Prevention in the Process Industries</i> , 2020, 63, 104033.	3.3	14
34	A new cellular automaton model accounting for stochasticity in traffic flow induced by heterogeneity in driving behavior*. <i>Chinese Physics B</i> , 2019, 28, 098901.	1.4	6
35	Resilience-Oriented Performance Assessment Method for Road-Traffic System: A Case Study in Beijing, China. <i>KSCE Journal of Civil Engineering</i> , 2021, 25, 3977-3994.	1.9	6
36	Surface touch network structure determines bacterial contamination spread on surfaces and occupant exposure. <i>Journal of Hazardous Materials</i> , 2021, 416, 126137.	12.4	6

#	ARTICLE	IF	CITATIONS
37	Experimental study of burning rate in large-scale rectangular pool fire. Journal of Fire Sciences, 2016, 34, 323-334.	2.0	3
38	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
39	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
40	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
41	Spatial data mining and O-D hotspots discovery in cities based on an O-D hotspots clustering model using vehicles' GPS data. , 2018, , .		2
42	Research on the Daily Gas Load Forecasting Method Based on Support Vector Machine. , 2011, , .		1
43	Simulation Model for Fuel Spreading on Complex Topography Based on Hydrodynamics. , 2017, , .		1
44	Fomite Transmission Follows Invasion Ecology Principles. MSystems, 2022, , e0021122.	3.8	1
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	Chapter 2 Information Dissemination Analysis of Different Media towards the Application for Disaster Pre-Warning. , 2016, , 19-54.		0
47	Personal Decision-Making Plan Under Hazardous Gas Leakage. , 2017, , .		0