

Ying Zhen Li

List of Publications by Year in descending order

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Version: 2024-02-01

60
papers

3,019
citations

218677

26
h-index

197818

49
g-index

68
all docs

68
docs citations

68
times ranked

567
citing authors

#	ARTICLE	IF	CITATIONS
1	Study of critical velocity and backlayering length in longitudinally ventilated tunnel fires. Fire Safety Journal, 2010, 45, 361-370.	3.1	369
2	The maximum temperature of buoyancy-driven smoke flow beneath the ceiling in tunnel fires. Fire Safety Journal, 2011, 46, 204-210.	3.1	357
3	Model scale tunnel fire tests with longitudinal ventilation. Fire Safety Journal, 2010, 45, 371-384.	3.1	306
4	The maximum ceiling gas temperature in a large tunnel fire. Fire Safety Journal, 2012, 48, 38-48.	3.1	164
5	Overview of research on fire safety in underground road and railway tunnels. Tunnelling and Underground Space Technology, 2018, 81, 568-589.	6.2	136
6	Tunnel Fire Dynamics. , 2015, , .		115
7	Prediction of backlayering length and critical velocity in metro tunnel fires. Tunnelling and Underground Space Technology, 2015, 47, 64-72.	6.2	99
8	Runehamar tunnel fire tests. Fire Safety Journal, 2015, 71, 134-149.	3.1	92
9	Effect of cross section on critical velocity in longitudinally ventilated tunnel fires. Fire Safety Journal, 2017, 91, 303-311.	3.1	82
10	Effect of cross section and ventilation on heat release rates in tunnel fires. Tunnelling and Underground Space Technology, 2016, 51, 414-423.	6.2	67
11	Model scale tunnel fire tests with automatic sprinkler. Fire Safety Journal, 2013, 61, 298-313.	3.1	65
12	Experimental study of sidewall effect on flame characteristics of heptane pool fires with different aspect ratios and orientations in a channel. Proceedings of the Combustion Institute, 2017, 36, 3121-3129.	3.9	62
13	Experimental study on thermal and smoke control using transverse ventilation in a sloping urban traffic link tunnel fire. Tunnelling and Underground Space Technology, 2018, 71, 81-93.	6.2	62
14	Experimental study of non-monotonous sidewall effect on flame characteristics and burning rate of n-heptane pool fires. Fuel, 2015, 145, 228-233.	6.4	61
15	Numerical study on overall smoke control using naturally ventilated shafts during fires in a road tunnel. International Journal of Thermal Sciences, 2019, 140, 491-504.	4.9	61
16	Effect of tunnel cross section on gas temperatures and heat fluxes in case of large heat release rate. Applied Thermal Engineering, 2016, 93, 405-415.	6.0	57
17	Spilled liquid fires in tunnels. Fire Safety Journal, 2017, 91, 399-406.	3.1	55
18	Position of Maximum Ceiling Temperature in a Tunnel Fire. Fire Technology, 2014, 50, 889-905.	3.0	54

#	ARTICLE	IF	CITATIONS
19	Theoretical and Experimental Study of Critical Velocity for Smoke Control in a Tunnel Cross-Passage. <i>Fire Technology</i> , 2013, 49, 435-449.	3.0	49
20	Scale modeling and numerical simulation of smoke control for rescue stations in long railway tunnels. <i>Journal of Fire Protection Engineering</i> , 2012, 22, 101-131.	0.8	44
21	Model of ventilation flows during large tunnel fires. <i>Tunnelling and Underground Space Technology</i> , 2012, 30, 64-73.	6.2	38
22	Scale effect of mass loss rates for pool fires in an open environment and in tunnels with wind. <i>Fire Safety Journal</i> , 2019, 105, 41-50.	3.1	37
23	A theoretical and experimental study on the buoyancy-driven smoke flow in a tunnel with vertical shafts. <i>International Journal of Thermal Sciences</i> , 2019, 141, 33-46.	4.9	32
24	Discussions on critical velocity and critical Froude number for smoke control in tunnels with longitudinal ventilation. <i>Fire Safety Journal</i> , 2018, 99, 22-26.	3.1	30
25	A New Methodology of Design Fires for Train Carriages Based on Exponential Curve Method. <i>Fire Technology</i> , 2016, 52, 1449-1464.	3.0	29
26	Study of fire and explosion hazards of alternative fuel vehicles in tunnels. <i>Fire Safety Journal</i> , 2019, 110, 102871.	3.1	29
27	The characteristics of under-ventilated pool fires in both model and medium-scale tunnels. <i>Tunnelling and Underground Space Technology</i> , 2019, 87, 27-40.	6.2	29
28	Simulations of Smoke Flow Fields in a Wind Tunnel Under the Effect of an Air Curtain for Smoke Confinement. <i>Fire Technology</i> , 2016, 52, 2007-2026.	3.0	27
29	Study of tunnel fires during construction using a model scale tunnel. <i>Tunnelling and Underground Space Technology</i> , 2019, 89, 50-67.	6.2	25
30	Large Scale Tunnel Fire Tests with Large Droplet Water-Based Fixed Fire Fighting System. <i>Fire Technology</i> , 2016, 52, 1539-1558.	3.0	22
31	Influence of fire suppression on combustion products in tunnel fires. <i>Fire Safety Journal</i> , 2018, 97, 96-110.	3.1	22
32	Experimental study on flame characteristics of double fires in a naturally ventilated tunnel: Flame merging, flame tilt angle and flame height. <i>Tunnelling and Underground Space Technology</i> , 2021, 114, 103912.	6.2	22
33	Re-direction of smoke flow in inclined tunnel fires. <i>Tunnelling and Underground Space Technology</i> , 2019, 86, 113-127.	6.2	21
34	Fire development in a 1/3 train carriage mock-up. <i>Fire Safety Journal</i> , 2017, 91, 432-440.	3.1	20
35	Theoretical and numerical study on influence of wind on mass loss rates of heptane pool fires at different scales. <i>Fire Safety Journal</i> , 2021, 120, 103048.	3.1	18
36	Theoretical and numerical study on mass flow rates of smoke exhausted from short vertical shafts in naturally ventilated urban road tunnel fires. <i>Tunnelling and Underground Space Technology</i> , 2021, 111, 103782.	6.2	18

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37	Large scale tunnel fire tests with different types of large droplet fixed fire fighting systems. Fire Safety Journal, 2019, 107, 29-43.	3.1	15
38	Theoretical studies on buoyancy-driven ceiling jets of tunnel fires with natural ventilation. Fire Safety Journal, 2021, 119, 103228.	3.1	14
39	Control of thermal-driven smoke flow at stairways in a subway platform fire. International Journal of Thermal Sciences, 2021, 165, 106937.	4.9	14
40	Scaling of wood pallet fires. Fire Safety Journal, 2017, 88, 96-103.	3.1	13
41	Assessment of Numerical Simulation Capabilities of the Fire Dynamics Simulator (FDS 6) for Planar Air Curtain Flows. Fire Technology, 2018, 54, 583-612.	3.0	13
42	Study on spilled liquid from a continuous leakage in sloped tunnels. Tunnelling and Underground Space Technology, 2022, 120, 104290.	6.2	12
43	Scaling of internal wall temperatures in enclosure fires. Journal of Fire Sciences, 2015, 33, 113-141.	2.0	10
44	Editorial: Tunnel fire safety. Fire Safety Journal, 2018, 97, 85-86.	3.1	9
45	Parametric study of design fires for tunnels with water-based fire suppression systems. Fire Safety Journal, 2021, 120, 103107.	3.1	8
46	Tunnel Fire Tests. , 2015, , 45-87.		7
47	Analysis of FDS 6 Simulation Results for Planar Air Curtain Related Flows from Straight Rectangular Ducts. Fire Technology, 2018, 54, 419-435.	3.0	6
48	Scaling Technique. , 2015, , 473-504.		3
49	Fire tests with automatic sprinklers in an intermediate scale tunnel. Fire Safety Journal, 2022, 129, 103567.	3.1	3
50	Fuel and Ventilation Controlled Fires. , 2015, , 23-43.		2
51	Heat Flux and Thermal Resistance. , 2015, , 249-290.		2
52	Heat Release Rates in Tunnels. , 2015, , 89-134.		1
53	Gas Temperatures. , 2015, , 207-231.		1
54	Combustion Products from Fires. , 2015, , 179-206.		1

#	ARTICLE	IF	CITATIONS
55	Smoke Stratification. , 2015, , 321-332.		1
56	Design Fire Curves. , 2015, , 153-177.		1
57	Tenability. , 2015, , 385-402.		0
58	Fire Growth Rates in Tunnels. , 2015, , 135-151.		0
59	Fire Spread. , 2015, , 291-319.		0
60	Visibility. , 2015, , 371-384.		0