Ying Zhen Li

List of Publications by Year
in descending order

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 on spilled liquid from a continuous leakage in sloped tunnels. Tunnelling and Underground Space Technology, 2022, 120, 104290.	6.2	12
2	Fire tests with automatic sprinklers in an intermediate scale tunnel. Fire Safety Journal, 2022, 129, 103567.	3.1	3
3	Theoretical and numerical study on influence of wind on mass loss rates of heptane pool fires at different scales. Fire Safety Journal, 2021, 120, 103048.	3.1	18
4	Parametric study of design fires for tunnels with water-based fire suppression systems. Fire Safety Journal, 2021, 120, 103107.	3.1	8
5	Theoretical studies on buoyancy-driven ceiling jets of tunnel fires with natural ventilation. Fire Safety Journal, 2021, 119, 103228.	3.1	14
6	Theoretical and numerical study on mass flow rates of smoke exhausted from short vertical shafts in naturally ventilated urban road tunnel fires. Tunnelling and Underground Space Technology, 2021, 111, 103782.	6.2	18
7	Control of thermal-driven smoke flow at stairways in a subway platform fire. International Journal of Thermal Sciences, 2021, 165, 106937.	4.9	14
8	Experimental study on flame characteristics of double fires in a naturally ventilated tunnel: Flame merging, flame tilt angle and flame height. Tunnelling and Underground Space Technology, 2021, 114, 103912.	6.2	22
9	Study of fire and explosion hazards of alternative fuel vehicles in tunnels. Fire Safety Journal, 2019, 110, 102871.	3.1	29
10	Re-direction of smoke flow in inclined tunnel fires. Tunnelling and Underground Space Technology, 2019, 86, 113-127.	6.2	21
11	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
12	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
13	A theoretical and experimental study on the buoyancy-driven smoke flow in a tunnel with vertical shafts. International Journal of Thermal Sciences, 2019, 141, 33-46.	4.9	32
14	Study of tunnel fires during construction using a model scale tunnel. Tunnelling and Underground Space Technology, 2019, 89, 50-67.	6.2	25
15	The characteristics of under-ventilated pool fires in both model and medium-scale tunnels. Tunnelling and Underground Space Technology, 2019, 87, 27-40.	6.2	29
16	Scale effect of mass loss rates for pool fires in an open environment and in tunnels with wind. Fire Safety Journal, 2019, 105, 41-50.	3.1	37
17	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
18	Influence of fire suppression on combustion products in tunnel fires. Fire Safety Journal, 2018, 97, 96-110.	3.1	22

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19	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
20	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
21	Overview of research on fire safety in underground road and railway tunnels. Tunnelling and Underground Space Technology, 2018, 81, 568-589.	6.2	136
22	Editorial: Tunnel fire safety. Fire Safety Journal, 2018, 97, 85-86.	3.1	9
23	Discussions on critical velocity and critical Froude number for smoke control in tunnels with longitudinal ventilation. Fire Safety Journal, 2018, 99, 22-26.	3.1	30
24	Scaling of wood pallet fires. Fire Safety Journal, 2017, 88, 96-103.	3.1	13
25	Fire development in a 1/3 train carriage mock-up. Fire Safety Journal, 2017, 91, 432-440.	3.1	20
26	Spilled liquid fires in tunnels. Fire Safety Journal, 2017, 91, 399-406.	3.1	55
27	Effect of cross section on critical velocity in longitudinally ventilated tunnel fires. Fire Safety Journal, 2017, 91, 303-311.	3.1	82
28	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
29	Simulations of Smoke Flow Fields in a Wind Tunnel Under the Effect of an Air Curtain for Smoke Confinement. Fire Technology, 2016, 52, 2007-2026.	3.0	27
30	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
31	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
32	A New Methodology of Design Fires for Train Carriages Based on Exponential Curve Method. Fire Technology, 2016, 52, 1449-1464.	3.0	29
33	Large Scale Tunnel Fire Tests with Large Droplet Water-Based Fixed Fire Fighting System. Fire Technology, 2016, 52, 1539-1558.	3.0	22
34	Tunnel Fire Tests. , 2015, , 45-87.		7
35	Fuel and Ventilation Controlled Fires. , 2015, , 23-43.		2
36	Heat Release Rates in Tunnels. , 2015, , 89-134.		1

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37	Prediction of backlayering length and critical velocity in metro tunnel fires. Tunnelling and Underground Space Technology, 2015, 47, 64-72.	6.2	99
38	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
39	Scaling of internal wall temperatures in enclosure fires. Journal of Fire Sciences, 2015, 33, 113-141.	2.0	10
40	Runehamar tunnel fire tests. Fire Safety Journal, 2015, 71, 134-149.	3.1	92
41	Tunnel Fire Dynamics. , 2015, , .		115
42	Heat Flux and Thermal Resistance. , 2015, , 249-290.		2
43	Gas Temperatures. , 2015, , 207-231.		1
44	Combustion Products from Fires. , 2015, , 179-206.		1
45	Tenability. , 2015, , 385-402.		0
46	Smoke Stratification. , 2015, , 321-332.		1
47	Scaling Technique. , 2015, , 473-504.		3
48	Fire Growth Rates in Tunnels. , 2015, , 135-151.		0
49	Fire Spread. , 2015, , 291-319.		0
50	Visibility. , 2015, , 371-384.		0
51	Design Fire Curves. , 2015, , 153-177.		1
52	Position of Maximum Ceiling Temperature in a Tunnel Fire. Fire Technology, 2014, 50, 889-905.	3.0	54
53	Model scale tunnel fire tests with automatic sprinkler. Fire Safety Journal, 2013, 61, 298-313.	3.1	65
54	Theoretical and Experimental Study of Critical Velocity for Smoke Control in a Tunnel Cross-Passage. Fire Technology, 2013, 49, 435-449.	3.0	49

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55	Scale modeling and numerical simulation of smoke control for rescue stations in long railway tunnels. Journal of Fire Protection Engineering, 2012, 22, 101-131.	0.8	44
56	The maximum ceiling gas temperature in a large tunnel fire. Fire Safety Journal, 2012, 48, 38-48.	3.1	164
57	Model of ventilation flows during large tunnel fires. Tunnelling and Underground Space Technology, 2012, 30, 64-73.	6.2	38
58	The maximum temperature of buoyancy-driven smoke flow beneath the ceiling in tunnel fires. Fire Safety Journal, 2011, 46, 204-210.	3.1	357
59	Study of critical velocity and backlayering length in longitudinally ventilated tunnel fires. Fire Safety Journal, 2010, 45, 361-370.	3.1	369
60	Model scale tunnel fire tests with longitudinal ventilation. Fire Safety Journal, 2010, 45, 371-384.	3.1	306