Yongzheng Yao

List of Publications by Year
in descending order

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26	965	394421	580821
papers	citations	19	25
		h-index	g-index

26	26	26	297
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Numerical study of the characteristics of smoke spread in tunnel fires during construction and method for improvement of smoke control. Case Studies in Thermal Engineering, 2022, 34, 102043.	5.7	14
2	The burning process and temperature profile of double fires in a tunnel: An experimental study. Tunnelling and Underground Space Technology, 2022, 125, 104500.	6.2	8
3	Theoretical and numerical study on critical velocity and driving force for preventing smoke backlayering in a connection roadway fire of coal mines. Tunnelling and Underground Space Technology, 2022, 127, 104566.	6.2	12
4	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
5	The maximum gas temperature rises beneath the ceiling in a longitudinal ventilated tunnel fire. Tunnelling and Underground Space Technology, 2021, 108, 103672.	6.2	36
6	Experimental study on smoke control using wide shafts in a natural ventilated tunnel. Journal of Wind Engineering and Industrial Aerodynamics, 2019, 195, 104015.	3.9	16
7	Study on the smoke backâ€layering and critical ventilation in the road tunnel fire at high altitude. Fire and Materials, 2019, 43, 422-429.	2.0	28
8	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
9	Study of tunnel fires during construction using a model scale tunnel. Tunnelling and Underground Space Technology, 2019, 89, 50-67.	6.2	25
10	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
11	Characteristics of multiple pool fires in a tunnel with natural ventilation. Journal of Hazardous Materials, 2019, 369, 261-267.	12.4	23
12	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
13	Effects of shaft inclination angle on the capacity of smoke exhaust under tunnel fire. Indoor and Built Environment, 2019, 28, 77-87.	2.8	36
14	Experimental study on the effects of initial sealing time on fire behaviors in channel fires. International Journal of Thermal Sciences, 2018, 125, 273-282.	4.9	57
15	Development of Construction Workers Job Stress Scale to Study and the Relationship between Job Stress and Safety Behavior: An Empirical Study in Beijing. International Journal of Environmental Research and Public Health, 2018, 15, 2409.	2.6	48
16	Investigation on the critical shaft height of plug-holing in the natural ventilated tunnel fire. International Journal of Thermal Sciences, 2018, 132, 517-533.	4.9	36
17	Critical roof opening longitudinal length for complete smoke exhaustion in subway tunnel fires. International Journal of Thermal Sciences, 2018, 133, 55-61.	4.9	12
18	Maximum gas temperature rise beneath the ceiling in a portals-sealed tunnel fire. Tunnelling and Underground Space Technology, 2018, 80, 10-15.	6.2	64

#	ARTICLE	IF	CITATIONS
19	Numerical Investigation of Back-Layering Length and Critical Velocity in Curved Subway Tunnels with Different Turning Radius. Fire Technology, 2017, 53, 1765-1793.	3.0	55
20	Experimental study on curved flame characteristics under longitudinal ventilation in a subway tunnel. Applied Thermal Engineering, 2017, 114, 733-743.	6.0	22
21	Smoke Movement in a Sloping Subway Tunnel Under Longitudinal Ventilation with Blockage. Fire Technology, 2017, 53, 1985-2006.	3.0	25
22	Maximum smoke temperature beneath the ceiling in an enclosed channel with different fire locations. Applied Thermal Engineering, 2017, 111, 30-38.	6.0	87
23	Smoke back-layering flow length in longitudinal ventilated tunnel fires with vertical shaft in the upstream. Applied Thermal Engineering, 2016, 107, 738-746.	6.0	79
24	An experimental investigation on blockage effect of metro train on the smoke back-layering in subway tunnel fires. Applied Thermal Engineering, 2016, 99, 214-223.	6.0	76
25	Prediction of smoke back-layering length under different longitudinal ventilations in the subway tunnel with metro train. Tunnelling and Underground Space Technology, 2016, 53, 13-21.	6.2	60
26	Experimental study on the diagnosis of operation state of gas extraction pipeline based on pressure gradient method. Energy Sources, Part A: Recovery, Utilization and Environmental Effects, 0, , 1-14.	2.3	1