Yuchun Zhang

List of Publications by Year
in descending order

23	415	933447 10	839539 18
papers	citations	h-index	g-index

23	23	23	186
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Experimental Study on the Influence of Fire Source Elevation on Smoke Temperature Profile Driven by Buoyancy in a Full-scale Mountain Tunnel. Combustion Science and Technology, 2023, 195, 1151-1168.	2.3	4
2	Upward flame spread and selfâ€induced buoyant blowâ€off over twoâ€sided thin fabric at different inclination angles. Fire and Materials, 2022, 46, 753-761.	2.0	2
3	Study on the flame morphological characteristics of dual fire sources in tunnel under longitudinal ventilation. Fire and Materials, 2022, 46, 919-926.	2.0	2
4	Experimental and Theoretical Studies of the Effects of Fire Location on the Smoke Temperature Distribution in a Branched Tunnel. Fire Technology, 2022, 58, 1265-1284.	3.0	6
5	Effects of longitudinal fire source locations on the maximum temperature and longitudinal temperature decay in a mountain tunnel with vertical shaft: an experimental investigation and empirical model. Journal of Thermal Analysis and Calorimetry, 2022, 147, 12139-12154.	3.6	2
6	Experimental Analysis of Limited Distance Effects on Self Induced Blow Off and Heat Transfer in Upward Flame Spread Over Thin Fabric Fuels. Fire Technology, 2021, 57, 1199-1219.	3.0	2
7	A study of group effects in pedestrian crowd evacuation: Experiments, modelling and simulation. Safety Science, 2021, 133, 105029.	4.9	34
8	Effects of porosity and area density on upward flame spread characteristics over thin flax fabric. Textile Reseach Journal, 2021, 91, 681-690.	2.2	2
9	Effects of transverse fire locations on flame length and temperature distribution in a bifurcated tunnel fire. Tunnelling and Underground Space Technology, 2021, 112, 103893.	6.2	25
10	Experimental investigation on the smoke back-layering length in a branched tunnel fire considering different longitudinal ventilations and fire locations. Case Studies in Thermal Engineering, 2021, 28, 101497.	5.7	16
11	Study on the smoke movement characteristics in large scale interchange tunnel fire. International Journal of Ventilation, 2020, 19, 224-232.	0.4	0
12	Experimental study on maximum temperature beneath tunnel ceiling under the condition of double fire sources. Tunnelling and Underground Space Technology, 2020, 106, 103624.	6.2	29
13	Experimental study on heat transfer of tunnel fire under the influence of longitudinal ventilation and water mist system. Fire and Materials, 2020, 45, 772.	2.0	3
14	Evacuation performance of individuals and social groups under different visibility conditions: Experiments and surveys. International Journal of Disaster Risk Reduction, 2020, 47, 101527.	3.9	50
15	Experimental study on smoke characteristics of bifurcated tunnel fire. Tunnelling and Underground Space Technology, 2020, 98, 103295.	6.2	36
16	Evacuation Experiments under Different Visibility Conditions: Investigating Differences Between Individuals and Groups. , 2019, , .		0
17	Experimental study on the maximum temperature and flame extension length driven by strong plume in a longitudinal ventilated tunnel. Experimental Thermal and Fluid Science, 2019, 101, 296-303.	2.7	25
18	Experimental Study on Descent Speed on Stairs of Individuals and Small Groups Under Different Visibility Conditions. Fire Technology, 2018, 54, 781-796.	3.0	30

#	Article	IF	Citations
19	Experimental study on characteristics of flame spread over diesel and n-butanol pool fires in tunnel. Tunnelling and Underground Space Technology, 2018, 79, 286-292.	6.2	14
20	Electric-field response based experimental investigation of unsaturated soil slope seepage. Journal of Applied Geophysics, 2017, 138, 154-160.	2.1	7
21	Thermal effect on fluorine emission in coal and clay minerals. Environmental Earth Sciences, 2017, 76, 1.	2.7	3
22	Theoretical and experimental study on longitudinal smoke temperature distribution in tunnel fires. International Journal of Thermal Sciences, 2016, 102, 319-328.	4.9	121
23	Transition from Surface Fire to Crown Fire and Effects of Crown Height, Moisture Content and Tree Flower. Fire Technology, 0, , 1.	3.0	2