

# Yuchun Zhang

## List of Publications by Year in descending order

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Version: 2024-02-01

23  
papers

415  
citations

933447

10  
h-index

839539

18  
g-index

23  
all docs

23  
docs citations

23  
times ranked

186  
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical and experimental study on longitudinal smoke temperature distribution in tunnel fires. <i>International Journal of Thermal Sciences</i> , 2016, 102, 319-328.	4.9	121
2	Evacuation performance of individuals and social groups under different visibility conditions: Experiments and surveys. <i>International Journal of Disaster Risk Reduction</i> , 2020, 47, 101527.	3.9	50
3	Experimental study on smoke characteristics of bifurcated tunnel fire. <i>Tunnelling and Underground Space Technology</i> , 2020, 98, 103295.	6.2	36
4	A study of group effects in pedestrian crowd evacuation: Experiments, modelling and simulation. <i>Safety Science</i> , 2021, 133, 105029.	4.9	34
5	Experimental Study on Descent Speed on Stairs of Individuals and Small Groups Under Different Visibility Conditions. <i>Fire Technology</i> , 2018, 54, 781-796.	3.0	30
6	Experimental study on maximum temperature beneath tunnel ceiling under the condition of double fire sources. <i>Tunnelling and Underground Space Technology</i> , 2020, 106, 103624.	6.2	29
7	Experimental study on the maximum temperature and flame extension length driven by strong plume in a longitudinal ventilated tunnel. <i>Experimental Thermal and Fluid Science</i> , 2019, 101, 296-303.	2.7	25
8	Effects of transverse fire locations on flame length and temperature distribution in a bifurcated tunnel fire. <i>Tunnelling and Underground Space Technology</i> , 2021, 112, 103893.	6.2	25
9	Experimental investigation on the smoke back-layering length in a branched tunnel fire considering different longitudinal ventilations and fire locations. <i>Case Studies in Thermal Engineering</i> , 2021, 28, 101497.	5.7	16
10	Experimental study on characteristics of flame spread over diesel and n-butanol pool fires in tunnel. <i>Tunnelling and Underground Space Technology</i> , 2018, 79, 286-292.	6.2	14
11	Electric-field response based experimental investigation of unsaturated soil slope seepage. <i>Journal of Applied Geophysics</i> , 2017, 138, 154-160.	2.1	7
12	Experimental and Theoretical Studies of the Effects of Fire Location on the Smoke Temperature Distribution in a Branched Tunnel. <i>Fire Technology</i> , 2022, 58, 1265-1284.	3.0	6
13	Experimental Study on the Influence of Fire Source Elevation on Smoke Temperature Profile Driven by Buoyancy in a Full-scale Mountain Tunnel. <i>Combustion Science and Technology</i> , 2023, 195, 1151-1168.	2.3	4
14	Thermal effect on fluorine emission in coal and clay minerals. <i>Environmental Earth Sciences</i> , 2017, 76, 1.	2.7	3
15	Experimental study on heat transfer of tunnel fire under the influence of longitudinal ventilation and water mist system. <i>Fire and Materials</i> , 2020, 45, 772.	2.0	3
16	Experimental Analysis of Limited Distance Effects on Self Induced Blow Off and Heat Transfer in Upward Flame Spread Over Thin Fabric Fuels. <i>Fire Technology</i> , 2021, 57, 1199-1219.	3.0	2
17	Effects of porosity and area density on upward flame spread characteristics over thin flax fabric. <i>Textile Research Journal</i> , 2021, 91, 681-690.	2.2	2
18	Upward flame spread and self-induced buoyant blow-off over two-sided thin fabric at different inclination angles. <i>Fire and Materials</i> , 2022, 46, 753-761.	2.0	2

#	ARTICLE	IF	CITATIONS
19	Study on the flame morphological characteristics of dual fire sources in tunnel under longitudinal ventilation. <i>Fire and Materials</i> , 2022, 46, 919-926.	2.0	2
20	Transition from Surface Fire to Crown Fire and Effects of Crown Height, Moisture Content and Tree Flower. <i>Fire Technology</i> , 0, , 1.	3.0	2
21	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. <i>Journal of Thermal Analysis and Calorimetry</i> , 2022, 147, 12139-12154.	3.6	2
22	Evacuation Experiments under Different Visibility Conditions: Investigating Differences Between Individuals and Groups. , 2019, , .		0
23	Study on the smoke movement characteristics in large scale interchange tunnel fire. <i>International Journal of Ventilation</i> , 2020, 19, 224-232.	0.4	0