

# Miao Tian

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

210  
citations

1478505

6  
h-index

1125743

13  
g-index

23  
all docs

23  
docs citations

23  
times ranked

135  
citing authors

#	ARTICLE	IF	CITATIONS
1	Quantitative analysis of moisture distribution and transfer in firefighter protective clothing exposed to low-intensity radiation with/without hot steam. <i>International Journal of Occupational Safety and Ergonomics</i> , 2022, 28, 1533-1542.	1.9	3
2	Development of heat and moisture transfer model for predicting skin burn of firefighter in fire environments. <i>Journal of the Textile Institute</i> , 2022, 113, 1658-1665.	1.9	6
3	The effects of firefighting boots and personal protective equipment load on foot thermal comfort. <i>Textile Research Journal</i> , 2022, 92, 253-268.	2.2	3
4	Mapping the research status and dynamic frontiers of functional clothing: a review via bibliometric and knowledge visualization. <i>International Journal of Clothing Science and Technology</i> , 2022, ahead-of-print, .	1.1	2
5	Heat transfer modeling within the microclimate between 3D human body and clothing: effects of ventilation openings and fire intensity. <i>International Journal of Clothing Science and Technology</i> , 2021, 33, 542-561.	1.1	4
6	A Triangle Design Framework for Functional Footwear for Chinese Older Adults. <i>Fashion Practice</i> , 2021, 13, 69-87.	0.8	3
7	Modeling to predict thermal aging for flame-retardant fabrics considering thermal stability under fire exposure. <i>Textile Research Journal</i> , 2021, 91, 2656-2668.	2.2	8
8	A method to predict burn injuries of firefighters considering heterogeneous skin thickness distribution based on the instrumented manikin system. <i>International Journal of Occupational Safety and Ergonomics</i> , 2020, , 1-13.	1.9	4
9	Quantitatively evaluating the effects of flash fire exposure on the mechanical performance of thermal protective clothing. <i>International Journal of Clothing Science and Technology</i> , 2020, 32, 412-429.	1.1	7
10	Investigating the Thermal-Protective Performance of Fire-Retardant Fabrics Considering Garment Aperture Structures Exposed to Flames. <i>Materials</i> , 2020, 13, 3579.	2.9	5
11	Effect of Fiber Type, Water Content, and Velocity on Wetness Perception by the Volar Forearm Test: Threshold Detection Test. <i>Perception</i> , 2020, 49, 139-154.	1.2	3
12	Effect of Fiber Type, Water Content, and Velocity on Wetness Perception by the Volar Forearm Test: Stimulus Intensity Test. <i>Perception</i> , 2019, 48, 862-881.	1.2	5
13	Knowledge mapping of protective clothing research—a bibliometric analysis based on visualization methodology. <i>Textile Research Journal</i> , 2019, 89, 3203-3220.	2.2	12
14	3D heat transfer modeling and parametric study of a human body wearing thermal protective clothing exposed to flash fire. <i>Fire and Materials</i> , 2018, 42, 657-667.	2.0	13
15	Effects of load carriage and work boots on lower limb kinematics of industrial workers. <i>International Journal of Occupational Safety and Ergonomics</i> , 2018, 24, 582-591.	1.9	5
16	Simulating the thermal response of the flame manikin with different materials exposed to flash fire by CFD. <i>Fire and Materials</i> , 2017, 41, 40-53.	2.0	4
17	Impact of work boots and load carriage on the gait of oil rig workers. <i>International Journal of Occupational Safety and Ergonomics</i> , 2017, 23, 118-126.	1.9	5
18	Personal thermal protection simulation under diverse wind speeds based on life-size manikin exposed to flash fire. <i>Applied Thermal Engineering</i> , 2016, 103, 1381-1389.	6.0	14

#	ARTICLE	IF	CITATIONS
19	An Improved Positioning Algorithm in a Long-Range Asymmetric Perimeter Security System. Journal of Lightwave Technology, 2016, 34, 5278-5283.	4.6	18
20	3D numerical simulation of heat transfer through simplified protective clothing during fire exposure by CFD. International Journal of Heat and Mass Transfer, 2016, 93, 314-321.	4.8	34
21	A High-Efficiency Multiple Events Discrimination Method in Optical Fiber Perimeter Security System. Journal of Lightwave Technology, 2015, 33, 4885-4890.	4.6	50
22	Thermal degradation behavior of flame-resistant fabrics exposed to fires: effect of air gap type and thickness. Textile Reseach Journal, 0, , 004051752211042.	2.2	0