Miao Tian

List of Publications by Year
in descending order

22	210	1478505 6	1125743 13
papers	citations	h-index	g-index

23	23	23	135
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A High-Efficiency Multiple Events Discrimination Method in Optical Fiber Perimeter Security System. Journal of Lightwave Technology, 2015, 33, 4885-4890.	4.6	50
2	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
3	An Improved Positioning Algorithm in a Long-Range Asymmetric Perimeter Security System. Journal of Lightwave Technology, 2016, 34, 5278-5283.	4.6	18
4	Personal thermal protection simulation under diverse wind speeds based on life-size manikin exposed to flash fire. Applied Thermal Engineering, 2016, 103, 1381-1389.	6.0	14
5	3D heat transfer modeling and parametric study of a human body wearing thermal protective clothing exposed to flash fire. Fire and Materials, 2018, 42, 657-667.	2.0	13
6	Knowledge mapping of protective clothing researchâ€"a bibliometric analysis based on visualization methodology. Textile Reseach Journal, 2019, 89, 3203-3220.	2.2	12
7	Modeling to predict thermal aging for flame-retardant fabrics considering thermal stability under fire exposure. Textile Reseach Journal, 2021, 91, 2656-2668.	2.2	8
8	Quantitatively evaluating the effects of flash fire exposure on the mechanical performance of thermal protective clothing. International Journal of Clothing Science and Technology, 2020, 32, 412-429.	1.1	7
9	Development of heat and moisture transfer model for predicting skin burn of firefighter in fire environments. Journal of the Textile Institute, 2022, 113, 1658-1665.	1.9	6
10	Impact of work boots and load carriage on the gait of oil rig workers. International Journal of Occupational Safety and Ergonomics, 2017, 23, 118-126.	1.9	5
11	Effects of load carriage and work boots on lower limb kinematics of industrial workers. International Journal of Occupational Safety and Ergonomics, 2018, 24, 582-591.	1.9	5
12	Effect of Fiber Type, Water Content, and Velocity on Wetness Perception by the Volar Forearm Test: Stimulus Intensity Test. Perception, 2019, 48, 862-881.	1.2	5
13	Investigating the Thermal-Protective Performance of Fire-Retardant Fabrics Considering Garment Aperture Structures Exposed to Flames. Materials, 2020, 13, 3579.	2.9	5
14	Simulating the thermal response of the flame manikin with different materials exposed to flash fire by CFD. Fire and Materials, 2017, 41, 40-53.	2.0	4
15	A method to predict burn injuries of firefighters considering heterogeneous skin thickness distribution based on the instrumented manikin system. International Journal of Occupational Safety and Ergonomics, 2020, , 1-13.	1.9	4
16	Heat transfer modeling within the microclimate between 3D human body and clothing: effects of ventilation openings and fire intensity. International Journal of Clothing Science and Technology, 2021, 33, 542-561.	1.1	4
17	Effect of Fiber Type, Water Content, and Velocity on Wetness Perception by the Volar Forearm Test: Threshold Detection Test. Perception, 2020, 49, 139-154.	1.2	3
18	A Triangle Design Framework for Functional Footwear for Chinese Older Adults. Fashion Practice, 2021, 13, 69-87.	0.8	3

#	Article	IF	Citations
19	Quantitative analysis of moisture distribution and transfer in firefighter protective clothing exposed to low-intensity radiation with/without hot steam. International Journal of Occupational Safety and Ergonomics, 2022, 28, 1533-1542.	1.9	3
20	The effects of firefighting boots and personal protective equipment load on foot thermal comfort. Textile Reseach Journal, 2022, 92, 253-268.	2.2	3
21	Mapping the research status and dynamic frontiers of functional clothing: a review via bibliometric and knowledge visualization. International Journal of Clothing Science and Technology, 2022, ahead-of-print, .	1.1	2
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