Yun Su

List of Publications by Year
in descending order

35	455	840776	794594
papers	citations	11 h-index	19 g-index

37	37	37	239
all docs	docs citations	times ranked	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. International Journal of Occupational Safety and Ergonomics, 2022, 28, 1533-1542.	1.9	3
2	A test device to characterize cold-contact protective performance of fabrics. Journal of Industrial Textiles, 2022, 51, 675S-693S.	2.4	3
3	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
4	Numerical simulation of heat transfer in electrically heated footwear in a severely cold environment. Building and Environment, 2022, 207, 108429.	6.9	4
5	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
6	Numerical study of heat and moisture transfer in thermal protective clothing against a coupled thermal hazardous environment. International Journal of Heat and Mass Transfer, 2022, 194, 122989.	4.8	7
7	Thermal protective performance of firefighting protective clothing incorporated with phase change material in fire environments. Fire and Materials, 2021, 45, 250-260.	2.0	13
8	Experimental study of heat and moisture transfer in vertical air gap under protective clothing against dry and wet heat exposures. International Journal of Clothing Science and Technology, 2021, 33, 873-888.	1.1	3
9	Effect of Compression on Contact Heat Transfer in Thermal Protective Clothing Under Different Moisture Contents. Clothing and Textiles Research Journal, 2020, 38, 19-31.	3.4	2
10	A Coupled Model for Heat and Moisture Transport Simulation in Porous Materials Exposed to Thermal Radiation. Transport in Porous Media, 2020, 131, 381-397.	2.6	14
11	Disaster Risk Science: A Geographical Perspective and a Research Framework. International Journal of Disaster Risk Science, 2020, 11, 426-440.	2.9	58
12	Investigating the Thermal-Protective Performance of Fire-Retardant Fabrics Considering Garment Aperture Structures Exposed to Flames. Materials, 2020, 13, 3579.	2.9	5
13	Experimental study of moisture role and heat transfer in thermal insulation fabric against hot surface contact. International Journal of Thermal Sciences, 2020, 156, 106501.	4.9	8
14	To what extent did changes in temperature affect China's socioeconomic development from the Western Han Dynasty to the Five Dynasties period?. Journal of Quaternary Science, 2020, 35, 433-443.	2.1	5
15	Intelligent bidirectional thermal regulation of phase change material incorporated in thermal protective clothing. Applied Thermal Engineering, 2020, 174, 115340.	6.0	45
16	Effect of compression on thermal protection of firefighting protective clothing under flame exposure. Fire and Materials, 2019, 43, 802-810.	2.0	11
17	A new approach to predict heat stress and skin burn of firefighter under low-level thermal radiation. International Journal of Thermal Sciences, 2019, 145, 106021.	4.9	9
18	Influence of Transport Properties of Laminated Membrane-fabric on Thermal Protective Performance Against Steam Hazard. Fibers and Polymers, 2019, 20, 2433-2442.	2.1	9

#	Article	IF	Citations
19	Developing a test device to analyze heat transfer through firefighter protective clothing. International Journal of Thermal Sciences, 2019, 138, 1-11.	4.9	14
20	Effect of Fabric Deformation on Thermal Protective Performance of Clothing in a Cylindrical Configuration. , 2019, , 271-285.		0
21	Development of a numerical model to predict physiological strain of firefighter in fire hazard. Scientific Reports, 2018, 8, 3628.	3.3	2
22	Modeling steam heat transfer in thermal protective clothing under hot steam exposure. International Journal of Heat and Mass Transfer, 2018, 120, 818-829.	4.8	24
23	A model of heat transfer in firefighting protective clothing during compression after radiant heat exposure. Journal of Industrial Textiles, 2018, 47, 2128-2152.	2.4	14
24	Analyzing steam transfer though various flame-retardant fabric assemblies in radiant heat exposure. Journal of Industrial Textiles, 2018, 47, 853-869.	2.4	5
25	The effect of moisture content within multilayer protective clothing on protection from radiation and steam. International Journal of Occupational Safety and Ergonomics, 2018, 24, 190-199.	1.9	18
26	Numerical study on effect of thermal regulation performance of winter uniform on thermal responses of high school student. Building and Environment, 2018, 140, 43-54.	6.9	7
27	Transmission pathways of Chinaâ€™s historical climate change impacts based on a food security framework. Holocene, 2018, 28, 1564-1573.	1.7	7
28	An improved model to analyze radiative heat transfer in flame-resistant fabrics exposed to low-level radiation. Textile Reseach Journal, 2017, 87, 1953-1967.	2.2	17
29	Effect of air gap thickness on thermal protection of firefighterâ€™s protective clothing against hot steam and thermal radiation. Fibers and Polymers, 2017, 18, 582-589.	2.1	16
30	Numerical simulation of heat transfer in protective clothing with various heat exposure distances. Journal of the Textile Institute, 2017, 108, 1412-1420.	1.9	8
31	Synthesis and Modification of Znâ€doped TiO₂ Nanoparticles for the Photocatalytic Degradation of Tetracycline. Photochemistry and Photobiology, 2016, 92, 651-657.	2.5	37
32	Development of a test device to characterize thermal protective performance of fabrics against hot steam and thermal radiation. Measurement Science and Technology, 2016, 27, 125904.	2.6	20
33	Modeling the transmitted and stored energy in multilayer protective clothing under low-level radiant exposure. Applied Thermal Engineering, 2016, 93, 1295-1303.	6.0	47
34	Evaluation method for thermal protection of firefightersâ€™ clothing in high-temperature and high-humidity condition. International Journal of Clothing Science and Technology, 2016, 28, 429-448.	1.1	10
35	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