

# Ming Fu

## List of Publications by Year in descending order

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Version: 2024-02-01

22  
papers

660  
citations

759233

12  
h-index

713466

21  
g-index

23  
all docs

23  
docs citations

23  
times ranked

619  
citing authors

#	ARTICLE	IF	CITATIONS
1	Transient and continuous effects of indoor human movement on nanoparticle concentrations in a sitting person's breathing zone. <i>Science of the Total Environment</i> , 2022, 805, 149970.	8.0	8
2	Electrospinning of continuous nanofiber hollow yarns for thermal storage and insulation by a multi-step twisting method. <i>Textile Research Journal</i> , 2020, 90, 1045-1056.	2.2	7
3	A prediction method to evaluate thermal performance of protective clothing based on the correlation analysis of the bench scale and flame manikin tests. <i>International Journal of Clothing Science and Technology</i> , 2020, 32, 499-510.	1.1	3
4	A Numerical Tool for Assessing Disaster Related Injuries and Personal Protective Clothing. , 2019, , .		0
5	Prediction of thermal skin burn based on the combined mathematical model of the skin and clothing. <i>Journal of the Textile Institute</i> , 2018, 109, 1606-1612.	1.9	7
6	Human-walking-induced wake flow " PIV experiments and CFD simulations. <i>Indoor and Built Environment</i> , 2018, 27, 1069-1084.	2.8	24
7	Review on modeling heat transfer and thermoregulatory responses in human body. <i>Journal of Thermal Biology</i> , 2016, 62, 189-200.	2.5	63
8	Quantitative investigation of air gaps entrapped in multilayer thermal protective clothing in low-level radiation at the moisture condition. <i>Fire and Materials</i> , 2016, 40, 179-189.	2.0	12
9	Combined effects of moisture and radiation on thermal performance of protective clothing. <i>International Journal of Clothing Science and Technology</i> , 2015, 27, 818-834.	1.1	11
10	Modeling of heat and moisture transfer within firefighter protective clothing with the moisture absorption of thermal radiation. <i>International Journal of Thermal Sciences</i> , 2015, 96, 201-210.	4.9	46
11	Theoretical analysis of the effects of human movement on the combined free-forced convection. <i>International Journal of Heat and Mass Transfer</i> , 2015, 91, 37-44.	4.8	10
12	A coupling system to predict the core and skin temperatures of human wearing protective clothing in hot environments. <i>Applied Ergonomics</i> , 2015, 51, 363-369.	3.1	15
13	Aerodynamic characteristics of human movement behaviours in full-scale environment: Comparison of limbs pendulum and body motion. <i>Indoor and Built Environment</i> , 2015, 24, 87-100.	2.8	23
14	Thermal insulations of multilayer clothing systems measured by a bench scale test in low level heat exposures. <i>International Journal of Clothing Science and Technology</i> , 2014, 26, 412-423.	1.1	14
15	Effects of multiple air gaps on the thermal performance of firefighter protective clothing under low-level heat exposure. <i>Textile Research Journal</i> , 2014, 84, 968-978.	2.2	35
16	An extended multi-segmented human bioheat model for high temperature environments. <i>International Journal of Heat and Mass Transfer</i> , 2014, 75, 504-513.	4.8	29
17	Numerical Simulation of the Effects of Blood Perfusion, Water Diffusion, and Vaporization on the Skin Temperature and Burn Injuries. <i>Numerical Heat Transfer; Part A: Applications</i> , 2014, 65, 1187-1203.	2.1	47
18	Experimental study of the effects of human movement on the convective heat transfer coefficient. <i>Experimental Thermal and Fluid Science</i> , 2014, 57, 40-56.	2.7	26

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19	A model of heat and moisture transfer through clothing integrated with the UC Berkeley comfort model. <i>Building and Environment</i> , 2014, 80, 96-104.	6.9	30
20	Quantitative assessment of the relationship between radiant heat exposure and protective performance of multilayer thermal protective clothing during dry and wet conditions. <i>Journal of Hazardous Materials</i> , 2014, 276, 383-392.	12.4	43
21	Effects of Moisture Transfer and Condensation in Protective Clothing based on Thermal Manikin Experiment in Fire Environment. <i>Procedia Engineering</i> , 2013, 62, 760-768.	1.2	12
22	Synthesis and Optical Properties of Silver Nanowire Arrays Embedded in Anodic Alumina Membrane. <i>Journal of Physical Chemistry B</i> , 2004, 108, 16713-16716.	2.6	195