Ming Fu

List of Publications by Year
in descending order

22	660	759233 12	713466 21
papers	citations	h-index	g-index

23	23	23	619
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Synthesis and Optical Properties of Silver Nanowire Arrays Embedded in Anodic Alumina Membrane. Journal of Physical Chemistry B, 2004, 108, 16713-16716.	2.6	195
2	Review on modeling heat transfer and thermoregulatory responses in human body. Journal of Thermal Biology, 2016, 62, 189-200.	2.5	63
3	Numerical Simulation of the Effects of Blood Perfusion, Water Diffusion, and Vaporization on the Skin Temperature and Burn Injuries. Numerical Heat Transfer; Part A: Applications, 2014, 65, 1187-1203.	2.1	47
4	Modeling of heat and moisture transfer within firefighter protective clothing with the moisture absorption of thermal radiation. International Journal of Thermal Sciences, 2015, 96, 201-210.	4.9	46
5	Quantitative assessment of the relationship between radiant heat exposure and protective performance of multilayer thermal protective clothing during dry and wet conditions. Journal of Hazardous Materials, 2014, 276, 383-392.	12.4	43
6	Effects of multiple air gaps on the thermal performance of firefighter protective clothing under low-level heat exposure. Textile Reseach Journal, 2014, 84, 968-978.	2.2	35
7	A model of heat and moisture transfer through clothing integrated with the UC Berkeley comfort model. Building and Environment, 2014, 80, 96-104.	6.9	30
8	An extended multi-segmented human bioheat model for high temperature environments. International Journal of Heat and Mass Transfer, 2014, 75, 504-513.	4.8	29
9	Experimental study of the effects of human movement on the convective heat transfer coefficient. Experimental Thermal and Fluid Science, 2014, 57, 40-56.	2.7	26
10	Human-walking-induced wake flow â€“ PIV experiments and CFD simulations. Indoor and Built Environment, 2018, 27, 1069-1084.	2.8	24
11	Aerodynamic characteristics of human movement behaviours in full-scale environment: Comparison of limbs pendulum and body motion. Indoor and Built Environment, 2015, 24, 87-100.	2.8	23
12	A coupling system to predict the core and skin temperatures of human wearing protective clothing in hot environments. Applied Ergonomics, 2015, 51, 363-369.	3.1	15
13	Thermal insulations of multilayer clothing systems measured by a bench scale test in low level heat exposures. International Journal of Clothing Science and Technology, 2014, 26, 412-423.	1.1	14
14	Effects of Moisture Transfer and Condensation in Protective Clothing based on Thermal Manikin Experiment in Fire Environment. Procedia Engineering, 2013, 62, 760-768.	1.2	12
15	Quantitative investigation of air gaps entrapped in multilayer thermal protective clothing in lowâ€level radiation at the moisture condition. Fire and Materials, 2016, 40, 179-189.	2.0	12
16	Combined effects of moisture and radiation on thermal performance of protective clothing. International Journal of Clothing Science and Technology, 2015, 27, 818-834.	1.1	11
17	Theoretical analysis of the effects of human movement on the combined free-forced convection. International Journal of Heat and Mass Transfer, 2015, 91, 37-44.	4.8	10
18	Transient and continuous effects of indoor human movement on nanoparticle concentrations in a sitting person's breathing zone. Science of the Total Environment, 2022, 805, 149970.	8.0	8

#	Article	IF	Citations
19	Prediction of thermal skin burn based on the combined mathematical model of the skin and clothing. Journal of the Textile Institute, 2018, 109, 1606-1612.	1.9	7
20	Electrospinning of continuous nanofiber hollow yarns for thermal storage and insulation by a multi-step twisting method. Textile Reseach Journal, 2020, 90, 1045-1056.	2.2	7
21	A prediction method to evaluate thermal performance of protective clothing based on the correlation analysis of the bench scale and flame manikin tests. International Journal of Clothing Science and Technology, 2020, 32, 499-510.	1.1	3
22	A Numerical Tool for Assessing Disaster Related Injuries and Personal Protective Clothing. , 2019, , .		0