# 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 | Disaster Risk Science: A Geographical Perspective and a Research Framework. International Journal of Disaster Risk Science, 2020, 11, 426-440. | 2.9 | 58 |
| 2 | 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 |
| 3 | Intelligent bidirectional thermal regulation of phase change material incorporated in thermal protective clothing. Applied Thermal Engineering, 2020, 174, 115340. | 6.0 | 45 |
| 4 | Synthesis and Modification of Znâ€doped TiO<sub>2</sub> Nanoparticles for the Photocatalytic Degradation of Tetracycline. Photochemistry and Photobiology, 2016, 92, 651-657. | 2.5 | 37 |
| 5 | 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 |
| 6 | 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 |
| 7 | 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 |
| 8 | 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 |
| 9 | 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 |
| 10 | 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 |
| 11 | Developing a test device to analyze heat transfer through firefighter protective clothing. International Journal of Thermal Sciences, 2019, 138, 1-11. | 4.9 | 14 |
| 12 | 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 |
| 13 | 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 |
| 14 | Effect of compression on thermal protection of firefighting protective clothing under flame exposure. Fire and Materials, 2019, 43, 802-810. | 2.0 | 11 |
| 15 | 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 |
| 16 | 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 |
| 17 | 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 |
| 18 | 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 |

| # | Article | IF | Citations |
|---|---|---|---|
| 19 | 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 |
| 20 | 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 |
| 21 | Transmission pathways of Chinaâ€™s historical climate change impacts based on a food security framework. Holocene, 2018, 28, 1564-1573. | 1.7 | 7 |
| 22 | 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 |
| 23 | 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 |
| 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 | Investigating the Thermal-Protective Performance of Fire-Retardant Fabrics Considering Garment Aperture Structures Exposed to Flames. Materials, 2020, 13, 3579. | 2.9 | 5 |
| 26 | 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 |
| 27 | Numerical simulation of heat transfer in electrically heated footwear in a severely cold environment. Building and Environment, 2022, 207, 108429. | 6.9 | 4 |
| 28 | 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 |
| 29 | 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 |
| 30 | A test device to characterize cold-contact protective performance of fabrics. Journal of Industrial Textiles, 2022, 51, 675S-693S. | 2.4 | 3 |
| 31 | Development of a numerical model to predict physiological strain of firefighter in fire hazard. Scientific Reports, 2018, 8, 3628. | 3.3 | 2 |
| 32 | 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 |
| 33 | 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 |
| 34 | Effect of Fabric Deformation on Thermal Protective Performance of Clothing in a Cylindrical Configuration. , 2019, , 271-285. | | 0 |
| 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 |