Shuangcheng Sun

List of Publications by Year
in descending order

20 papers	419 citations	840776 11 h-index	752698 20 g-index
20 all docs	20 docs citations	20 times ranked	196 citing authors

#	ARTICLE	IF	CITATIONS
1	Fuzzy estimation for transient distribution of internal thermal excitation in composite overwrapped pressure vessel. Applied Thermal Engineering, 2022, 203, 117866.	6.0	3
2	Direct estimation of transient temperature field of heat transfer system based on mapping characteristics fuzzy clustering. International Journal of Heat and Mass Transfer, 2022, 190, 122787.	4.8	7
3	Simultaneous reconstruction of thermal boundary condition and physical properties of participating medium. International Journal of Thermal Sciences, 2021, 163, 106853.	4.9	31
4	Theoretical investigation on inverse identification of spectral properties of paraffin phase change materials based on multi-thickness model. Solar Energy, 2021, 225, 266-274.	6.1	13
5	Application of improved decentralized fuzzy inference methods for estimating the thermal boundary condition of participating medium. International Journal of Thermal Sciences, 2020, 149, 106216.	4.9	19
6	Application of decentralized fuzzy inference method for the inverse geometry design of radiative enclosures. Infrared Physics and Technology, 2020, 107, 103287.	2.9	3
7	Generalized distribution parameter model and numerical simulation method for DSG solar trough collector under once-through mode. Solar Energy, 2019, 188, 414-425.	6.1	4
8	An inverse method for the reconstruction of thermal boundary conditions of semitransparent medium. International Journal of Heat and Mass Transfer, 2019, 134, 574-585.	4.8	24
9	Non-destructive testing of ceramic materials using mid-infrared ultrashort-pulse laser. Applied Physics B: Lasers and Optics, 2018, 124, 1.	2.2	5
10	Inverse Identification of Temperature-Dependent Thermal Properties Using Improved Krill Herd Algorithm. International Journal of Thermophysics, 2018, 39, 1.	2.1	10
11	A multi-stage optimization technique for simultaneous reconstruction of infrared optical and thermophysical parameters in semitransparent media. Infrared Physics and Technology, 2018, 92, 219-233.	2.9	10
12	Combined lock-in thermography and SQP algorithm for non-intrusive reconstruction of optical and thermal properties in semitransparent medium. International Journal of Thermal Sciences, 2018, 132, 446-456.	4.9	8
13	Estimation of thermophysical properties of phase change material by the hybrid SSO algorithms. International Journal of Thermal Sciences, 2017, 120, 121-135.	4.9	19
14	Improved social spider optimization algorithms for solving inverse radiation and coupled radiation–conduction heat transfer problems. International Communications in Heat and Mass Transfer, 2017, 87, 132-146.	5.6	39
15	Inverse geometry design of two-dimensional complex radiative enclosures using krill herd optimization algorithm. Applied Thermal Engineering, 2016, 98, 1104-1115.	6.0	36
16	A novel hybrid ant colony optimization and particle swarm optimization algorithm for inverse problems of coupled radiative and conductive heat transfer. Thermal Science, 2016, 20, 461-472.	1.1	20
17	Image Reconstruction of Two-Dimensional Highly Scattering Inhomogeneous Medium Using MAP-Based Estimation. Mathematical Problems in Engineering, 2015, 2015, 1-9.	1.1	5
18	Solving inverse problems of radiative heat transfer and phase change in semitransparent medium by using Improved Quantum Particle Swarm Optimization. International Journal of Heat and Mass Transfer, 2015, 85, 300-310.	4.8	50

#	Article	IF	Citations
19	Inverse transient radiation analysis in one-dimensional participating slab using improved Ant Colony Optimization algorithms. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 133, 351-363.	2.3	39
20	Application of homogenous continuous Ant Colony Optimization algorithm to inverse problem of one-dimensional coupled radiation and conduction heat transfer. International Journal of Heat and Mass Transfer, 2013, 66, 507-516.	4.8	74