

# Shuangcheng Sun

## List of Publications by Year in descending order

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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	Application of homogenous continuous Ant Colony Optimization algorithm to inverse problem of one-dimensional coupled radiation and conduction heat transfer. <i>International Journal of Heat and Mass Transfer</i> , 2013, 66, 507-516.	4.8	74
2	Solving inverse problems of radiative heat transfer and phase change in semitransparent medium by using Improved Quantum Particle Swarm Optimization. <i>International Journal of Heat and Mass Transfer</i> , 2015, 85, 300-310.	4.8	50
3	Inverse transient radiation analysis in one-dimensional participating slab using improved Ant Colony Optimization algorithms. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 133, 351-363.	2.3	39
4	Improved social spider optimization algorithms for solving inverse radiation and coupled radiation-conduction heat transfer problems. <i>International Communications in Heat and Mass Transfer</i> , 2017, 87, 132-146.	5.6	39
5	Inverse geometry design of two-dimensional complex radiative enclosures using krill herd optimization algorithm. <i>Applied Thermal Engineering</i> , 2016, 98, 1104-1115.	6.0	36
6	Simultaneous reconstruction of thermal boundary condition and physical properties of participating medium. <i>International Journal of Thermal Sciences</i> , 2021, 163, 106853.	4.9	31
7	An inverse method for the reconstruction of thermal boundary conditions of semitransparent medium. <i>International Journal of Heat and Mass Transfer</i> , 2019, 134, 574-585.	4.8	24
8	A novel hybrid ant colony optimization and particle swarm optimization algorithm for inverse problems of coupled radiative and conductive heat transfer. <i>Thermal Science</i> , 2016, 20, 461-472.	1.1	20
9	Estimation of thermophysical properties of phase change material by the hybrid SSO algorithms. <i>International Journal of Thermal Sciences</i> , 2017, 120, 121-135.	4.9	19
10	Application of improved decentralized fuzzy inference methods for estimating the thermal boundary condition of participating medium. <i>International Journal of Thermal Sciences</i> , 2020, 149, 106216.	4.9	19
11	Theoretical investigation on inverse identification of spectral properties of paraffin phase change materials based on multi-thickness model. <i>Solar Energy</i> , 2021, 225, 266-274.	6.1	13
12	Inverse Identification of Temperature-Dependent Thermal Properties Using Improved Krill Herd Algorithm. <i>International Journal of Thermophysics</i> , 2018, 39, 1.	2.1	10
13	A multi-stage optimization technique for simultaneous reconstruction of infrared optical and thermophysical parameters in semitransparent media. <i>Infrared Physics and Technology</i> , 2018, 92, 219-233.	2.9	10
14	Combined lock-in thermography and SQP algorithm for non-intrusive reconstruction of optical and thermal properties in semitransparent medium. <i>International Journal of Thermal Sciences</i> , 2018, 132, 446-456.	4.9	8
15	Direct estimation of transient temperature field of heat transfer system based on mapping characteristics fuzzy clustering. <i>International Journal of Heat and Mass Transfer</i> , 2022, 190, 122787.	4.8	7
16	Image Reconstruction of Two-Dimensional Highly Scattering Inhomogeneous Medium Using MAP-Based Estimation. <i>Mathematical Problems in Engineering</i> , 2015, 2015, 1-9.	1.1	5
17	Non-destructive testing of ceramic materials using mid-infrared ultrashort-pulse laser. <i>Applied Physics B: Lasers and Optics</i> , 2018, 124, 1.	2.2	5
18	Generalized distribution parameter model and numerical simulation method for DSG solar trough collector under once-through mode. <i>Solar Energy</i> , 2019, 188, 414-425.	6.1	4

#	ARTICLE	IF	CITATIONS
19	Application of decentralized fuzzy inference method for the inverse geometry design of radiative enclosures. <i>Infrared Physics and Technology</i> , 2020, 107, 103287.	2.9	3
20	Fuzzy estimation for transient distribution of internal thermal excitation in composite overwrapped pressure vessel. <i>Applied Thermal Engineering</i> , 2022, 203, 117866.	6.0	3