

Jm Zhao

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

553
citations

567281

15
h-index

610901

24
g-index

25
all docs

25
docs citations

25
times ranked

286
citing authors

#	ARTICLE	IF	CITATIONS
1	Solution of radiative heat transfer in graded index media by least square spectral element method. International Journal of Heat and Mass Transfer, 2007, 50, 2634-2642.	4.8	57
2	Morphological effects on the radiative properties of soot aerosols in different internally mixing states with sulfate. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 165, 43-55.	2.3	48
3	Discontinuous spectral element method for solving radiative heat transfer in multidimensional semitransparent media. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 107, 1-16.	2.3	39
4	Multiple and dependent scattering by densely packed discrete spheres: Comparison of radiative transfer and Maxwell theory. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 187, 255-266.	2.3	37
5	Transition probabilities for the main diatomic electronic systems of N ₂ , NO, O ₂ , CO, CO ⁺ , CN, C ₂ and H ₂ produced in plasma of atmospheric entry. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 202, 286-301.	2.3	35
6	Near-field radiative heat transfer between clusters of dielectric nanoparticles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 197, 114-122.	2.3	34
7	Spectral element method for vector radiative transfer equation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 433-446.	2.3	32
8	A second order radiative transfer equation and its solution by meshless method with application to strongly inhomogeneous media. Journal of Computational Physics, 2013, 232, 431-455.	3.8	29
9	Monte Carlo method for polarized radiative transfer in gradient-index media. Journal of Quantitative Spectroscopy and Radiative Transfer, 2015, 152, 114-126.	2.3	27
10	Dependent scattering and absorption by densely packed discrete spherical particles: Effects of complex refractive index. Journal of Quantitative Spectroscopy and Radiative Transfer, 2017, 196, 94-102.	2.3	24
11	GPU-accelerated inverse identification of radiative properties of particle suspensions in liquid by the Monte Carlo method. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 172, 146-159.	2.3	23
12	Finite element approach for radiative transfer in multi-layer graded index cylindrical medium with Fresnel surfaces. Journal of Quantitative Spectroscopy and Radiative Transfer, 2010, 111, 420-432.	2.3	19
13	Hybrid finite volume/ finite element method for radiative heat transfer in graded index media. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 1826-1835.	2.3	17
14	Finite element method for modeling radiative transfer in semitransparent graded index cylindrical medium. Journal of Quantitative Spectroscopy and Radiative Transfer, 2009, 110, 1085-1096.	2.3	16
15	Radiative properties of hedgehog-like ZnO-Au composite particles with applications to photocatalysis. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 217, 1-12.	2.3	16
16	On the derivation of vector radiative transfer equation for polarized radiative transport in graded index media. Journal of Quantitative Spectroscopy and Radiative Transfer, 2012, 113, 239-250.	2.3	15
17	High-temperature partition functions, specific heats and spectral radiative properties of diatomic molecules with an improved calculation of energy levels. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 210, 1-18.	2.3	15
18	Experimental study of the radiative properties of hedgehog-like ZnO-Au composite particles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 232, 93-103.	2.3	15

#	ARTICLE	IF	CITATIONS
19	Energy levels, transition dipole moment, transition probabilities and radiative lifetimes for low-lying electronic states of PN. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 227, 47-56.	2.3	13
20	A deficiency problem of the least squares finite element method for solving radiative transfer in strongly inhomogeneous media. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2012, 113, 1488-1502.	2.3	11
21	Temporal scaling of the growth dependent optical properties of microalgae. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 214, 61-70.	2.3	10
22	Effect of spine-like surface structures on the radiative properties of microorganism. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 173, 49-64.	2.3	9
23	Experimental study of the temporal scaling characteristics of growth-dependent radiative properties of <i>Spirulina platensis</i> . <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 217, 453-458.	2.3	6
24	Spectroscopic investigations of transition properties for the electronic states of PN+ correlating to two lowest dissociation limits. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 233, 110-118.	2.3	5
25	Theoretical analysis of radiative properties of pronucleus multicellular cyanobacteria. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2019, 224, 91-102.	2.3	1