

Maxime Roger

List of Publications by Year in descending order

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18
papers

369
citations

840776

11
h-index

996975

15
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18
all docs

18
docs citations

18
times ranked

205
citing authors

#	ARTICLE	IF	CITATIONS
1	Symbolic Monte Carlo method applied to the identification of radiative properties of a heterogeneous material. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 249, 107019.	2.3	13
2	Monte-Carlo and sensitivity transport models for domain deformation. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 251, 107022.	2.3	7
3	Addressing nonlinearities in Monte Carlo. <i>Scientific Reports</i> , 2018, 8, 13302.	3.3	16
4	A symbolic approach for the identification of radiative properties. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2017, 196, 130-141.	2.3	15
5	Radiative heat transfer in strongly forward scattering media using the discrete ordinates method. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 172, 110-120.	2.3	11
6	Multi-scale methods for the solution of the radiative transfer equation. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 172, 36-49.	2.3	9
7	Radiative transfer and spectroscopic databases: A line-sampling Monte Carlo approach. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 172, 83-97.	2.3	18
8	Monte Carlo advances and concentrated solar applications. <i>Solar Energy</i> , 2014, 103, 653-681.	6.1	81
9	A hybrid transport-diffusion model for radiative transfer in absorbing and scattering media. <i>Journal of Computational Physics</i> , 2014, 275, 346-362.	3.8	22
10	The multispectral gas radiation modeling: A new theoretical framework based on a multidimensional approach to k-distribution methods. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 147, 178-195.	2.3	24
11	The Micro-Macro Model for Transient Radiative Transfer Simulations. , 2014, , .		0
12	A dynamic multi-scale model for transient radiative transfer calculations. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 116, 110-121.	2.3	11
13	Relevance of the subgrid-scales for large eddy simulations of turbulenceâ€“radiation interactions in a turbulent plane jet. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2011, 112, 1250-1256.	2.3	24
14	The influence of the non-resolved scales of thermal radiation in large eddy simulation of turbulent flows: A fundamental study. <i>International Journal of Heat and Mass Transfer</i> , 2010, 53, 2897-2907.	4.8	42
15	INFLUENCE OF THE LARGE EDDY SIMULATION SUBGRID-SCALES ON THERMAL RADIATION IN A NON-ISOTHERMAL TURBULENT PLANE JET. , 2010, , .		0
16	Analysis of the turbulenceâ€“radiation interactions for large eddy simulations of turbulent flows. <i>International Journal of Heat and Mass Transfer</i> , 2009, 52, 2243-2254.	4.8	49
17	ANALYSIS OF THE RELEVANCE OF THE FILTERED RADIATIVE TRANSFER EQUATION TERMS FOR LARGE EDDY SIMULATION OF TURBULENCE-RADIATION INTERACTION. , 2008, , .		3
18	Monte Carlo Estimates of Domain-Deformation Sensitivities. <i>Physical Review Letters</i> , 2005, 95, 180601.	7.8	24