Maxime Roger

List of Publications by Year
in descending order

18 papers	**369** citations	840776 **11** h-index	996975 **15** g-index
18 all docs	**18** docs citations	**18** times ranked	**205** citing authors

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