Adrian Doicu

List of Publications by Year
in descending order

18 papers	166 citations	1307594 7 h-index	1125743 13 g-index
18 all docs	18 docs citations	18 times ranked	180 citing authors

#	Article	IF	Citations
1	Cloud tomographic retrieval algorithms. II: Adjoint method. Journal of Quantitative Spectroscopy and Radiative Transfer, 2022, 285, 108177.	2.3	4
2	A stochastic optimization algorithm for analyzing planar central and balanced configurations in the n-body problem. Celestial Mechanics and Dynamical Astronomy, 2022, 134, .	1.4	0
3	Electromagnetic scattering by discrete random media illuminated by a Gaussian beam II: Solution of the radiative transfer equation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 256, 107297.	2.3	1
4	Electromagnetic scattering by discrete random media illuminated by a Gaussian beam I: Derivation of the radiative transfer equation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 256, 107301.	2.3	3
5	Electromagnetic scattering by discrete random media. IV: Coherent backscattering. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 236, 106565.	2.3	3
6	Electromagnetic scattering by discrete random media. II: The coherent field. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 230, 86-105.	2.3	6
7	Electromagnetic scattering by discrete random media. I: The dispersion equation and the configuration-averaged exciting field. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 230, 282-303.	2.3	5
8	An overview of methods for deriving the radiative transfer theory from the Maxwell equations. III: Effects of random rough boundaries and packing density. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 224, 154-170.	2.3	0
9	An overview of methods for deriving the radiative transfer theory from the Maxwell equations. II: Approach based on the Dyson and Bethe–Salpeter equations. Journal of Quantitative Spectroscopy and Radiative Transfer, 2019, 224, 25-36.	2.3	8
10	Overview of methods for deriving the radiative transfer theory from the Maxwell equations. I: Approach based on the far-field Foldy equations. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 220, 123-139.	2.3	9
11	Radiative transfer in a discrete random medium adjacent to a half-space with a rough interface. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 218, 194-202.	2.3	1
12	Discrete ordinate method with matrix exponential for stochastic radiative transfer in broken clouds. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 138, 1-16.	2.3	12
13	Approximate models for broken clouds in stochastic radiative transfer theory. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 145, 74-87.	2.3	10
14	A multi-dimensional vector spherical harmonics discrete ordinate method for atmospheric radiative transfer. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 118, 121-131.	2.3	25
15	An efficient inversion algorithm for atmospheric remote sensing with application to UV limb observations. Journal of Quantitative Spectroscopy and Radiative Transfer, 2007, 103, 193-208.	2.3	6
16	An iterative regularization method with B-spline approximation for atmospheric temperature and concentration retrievals. Environmental Modelling and Software, 2005, 20, 1101-1109.	4.5	5
17	Null-field method to electromagnetic scattering from uniaxial anisotropic particles. Optics Communications, 2003, 218, 11-17.	2.1	25
18	Iteratively regularized Gauss–Newton method for atmospheric remote sensing. Computer Physics Communications, 2002, 148, 214-226.	7.5	43