

Adrian Doicu

List of Publications by Year in descending order

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Version: 2024-02-01

18
papers

166
citations

1307594

7
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1125743

13
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all docs

18
docs citations

18
times ranked

180
citing authors

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