

Romain Ceolato

List of Publications by Year in descending order

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Version: 2024-02-01

21
papers

178
citations

1163117

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23
all docs

23
docs citations

23
times ranked

166
citing authors

#	ARTICLE	IF	CITATIONS
1	Reflectances from a supercontinuum laser-based instrument: hyperspectral, polarimetric and angular measurements. <i>Optics Express</i> , 2012, 20, 29413.	3.4	27
2	Aerosol light extinction and backscattering: A review with a lidar perspective. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 262, 107492.	2.3	24
3	Is the near-spherical shape the "new black" for smoke?. <i>Atmospheric Chemistry and Physics</i> , 2020, 20, 14005-14021.	4.9	16
4	Light-scattering by aggregates of tumor cells: Spectral, polarimetric, and angular measurements. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 146, 207-213.	2.3	13
5	Radiative properties of soot fractal superaggregates including backscattering and depolarization. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 247, 106940.	2.3	12
6	Lidar cross-sections of soot fractal aggregates: Assessment of equivalent-sphere models. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2018, 212, 39-44.	2.3	10
7	Spectral and angular light-scattering from silica fractal aggregates. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 131, 160-165.	2.3	9
8	Optical Properties of ZnO Nanowires Decorated with Au Nanoparticles. <i>Key Engineering Materials</i> , 0, 547, 7-10.	0.4	8
9	Lidar-relevant radiative properties of soot fractal aggregate ensembles. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2020, 241, 106706.	2.3	8
10	Spectral degree of linear polarization of light from healthy skin and melanoma. <i>Optics Express</i> , 2015, 23, 13605.	3.4	7
11	Black carbon aerosol number and mass concentration measurements by picosecond short-range elastic backscatter lidar. <i>Scientific Reports</i> , 2022, 12, 8443.	3.3	7
12	Polarimetric and angular light-scattering from dense media: Comparison of a vectorial radiative transfer model with analytical, stochastic and experimental approaches. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2013, 131, 88-94.	2.3	6
13	Short-Range Elastic Backscatter Micro-Lidar for Quantitative Aerosol Profiling with High Range and Temporal Resolution. <i>Remote Sensing</i> , 2020, 12, 3286.	4.0	6
14	Assessing the limits of Rayleigh-Debye-Gans theory: Phasor analysis of a bisphere. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2021, 264, 107550.	2.3	5
15	Optimal estimation method applied on ceilometer aerosol retrievals. <i>Atmospheric Environment</i> , 2021, 249, 118243.	4.1	4
16	Two-dimensional small-angle scattering from single particles in infrared with a lensless technique. <i>Optics Express</i> , 2020, 28, 25114.	3.4	4
17	A new lidar inversion method using a surface reference target applied to the backscattering coefficient and lidar ratio retrievals of a fog-oil plume at short range. <i>Atmospheric Measurement Techniques</i> , 2020, 13, 1921-1935.	3.1	4
18	Supercontinuum laser-based instrument to measure hyperspectral polarized BRDF. , 2011, , .		3

#	ARTICLE	IF	CITATIONS
19	Active imaging systems to see through adverse conditions: Light-scattering based models and experimental validation. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2014, 146, 431-443.	2.3	2
20	Spectral polarimetric light-scattering by particulate media: 1. Theory of spectral Vector Radiative Transfer. <i>Journal of Quantitative Spectroscopy and Radiative Transfer</i> , 2016, 178, 117-123.	2.3	1
21	Multispectral small-angle light scattering from particles. <i>Optics Letters</i> , 2021, 46, 3155.	3.3	1