Romain Ceolato

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5856527/publications.pdf

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21	178	1163117 8	1125743 13
papers	citations	h-index	g-index

23	23	23	166
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Black carbon aerosol number and mass concentration measurements by picosecond short-range elastic backscatter lidar. Scientific Reports, 2022, 12, 8443.	3.3	7
2	Aerosol light extinction and backscattering: A review with a lidar perspective. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 262, 107492.	2.3	24
3	Optimal estimation method applied on ceilometer aerosol retrievals. Atmospheric Environment, 2021, 249, 118243.	4.1	4
4	Assessing the limits of Rayleighâ€“Debyeâ€“Gans theory: Phasor analysis of a bisphere. Journal of Quantitative Spectroscopy and Radiative Transfer, 2021, 264, 107550.	2.3	5
5	Multispectral small-angle light scattering from particles. Optics Letters, 2021, 46, 3155.	3.3	1
6	Lidar-relevant radiative properties of soot fractal aggregate ensembles. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 241, 106706.	2.3	8
7	Short-Range Elastic Backscatter Micro-Lidar for Quantitative Aerosol Profiling with High Range and Temporal Resolution. Remote Sensing, 2020, 12, 3286.	4.0	6
8	Radiative properties of soot fractal superaggregates including backscattering and depolarization. Journal of Quantitative Spectroscopy and Radiative Transfer, 2020, 247, 106940.	2.3	12
9	Two-dimensional small-angle scattering from single particles in infrared with a lensless technique. Optics Express, 2020, 28, 25114.	3.4	4
10	Is the near-spherical shape the â€œnew blackâ€•for smoke?. Atmospheric Chemistry and Physics, 2020, 20, 14005-14021.	4.9	16
11	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. Atmospheric Measurement Techniques, 2020, 13, 1921-1935.	3.1	4
12	Lidar cross-sections of soot fractal aggregates: Assessment of equivalent-sphere models. Journal of Quantitative Spectroscopy and Radiative Transfer, 2018, 212, 39-44.	2.3	10
13	Spectral polarimetric light-scattering by particulate media: 1. Theory of spectral Vector Radiative Transfer. Journal of Quantitative Spectroscopy and Radiative Transfer, 2016, 178, 117-123.	2.3	1
14	Spectral degree of linear polarization of light from healthy skin and melanoma. Optics Express, 2015, 23, 13605.	3.4	7
15	Light-scattering by aggregates of tumor cells: Spectral, polarimetric, and angular measurements. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 146, 207-213.	2.3	13
16	Active imaging systems to see through adverse conditions: Light-scattering based models and experimental validation. Journal of Quantitative Spectroscopy and Radiative Transfer, 2014, 146, 431-443.	2.3	2
17	Spectral and angular light-scattering from silica fractal aggregates. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 131, 160-165.	2.3	9
18	Polarimetric and angular light-scattering from dense media: Comparison of a vectorial radiative transfer model with analytical, stochastic and experimental approaches. Journal of Quantitative Spectroscopy and Radiative Transfer, 2013, 131, 88-94.	2.3	6

#	Article	IF	Citations
19	Reflectances from a supercontinuum laser-based instrument: hyperspectral, polarimetric and angular measurements. Optics Express, 2012, 20, 29413.	3.4	27
20	Supercontiuum laser-based instrument to measure hyperspectral polarized BRDF. , 2011, , .		3
21	Optical Properties of ZnO Nanowires Decorated with Au Nanoparticles. Key Engineering Materials, 0, 547, 7-10.	0.4	8