

Claudio Carbone

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

26
papers

1,785
citations

19
h-index

27
g-index

27
ext. papers

2,024
ext. citations

5.4
avg. IF

3.63
L-index

#	Paper	IF	Citations
26	Primary submicron marine aerosol dominated by insoluble organic colloids and aggregates. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	329
25	Important source of marine secondary organic aerosol from biogenic amines. <i>Environmental Science & Technology</i> , 2008 , 42, 9116-21	10.3	295
24	Direct observation of aqueous secondary organic aerosol from biomass-burning emissions. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2016 , 113, 10013-8	11.5	170
23	Primary and Secondary Organic Marine Aerosol and Oceanic Biological Activity: Recent Results and New Perspectives for Future Studies. <i>Advances in Meteorology</i> , 2010 , 2010, 1-10	1.7	149
22	Chemical composition of PM ₁₀ and PM _{2.5} at the high-altitude Himalayan station Nepal Climate Observatory-Pyramid (NCO-P) (5079 m a.s.l.). <i>Atmospheric Chemistry and Physics</i> , 2010 , 10, 4583-4596	6.8	119
21	ACTRIS ACSM intercomparison [Part 2: Intercomparison of ME-2 organic source apportionment results from 15 individual, co-located aerosol mass spectrometers. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 2555-2576	4	92
20	Size-resolved aerosol chemical composition over the Italian Peninsula during typical summer and winter conditions. <i>Atmospheric Environment</i> , 2010 , 44, 5269-5278	5.3	88
19	ACTRIS ACSM intercomparison [Part 1: Reproducibility of concentration and fragment results from 13 individual Quadrupole Aerosol Chemical Speciation Monitors (Q-ACSM) and consistency with co-located instruments. <i>Atmospheric Measurement Techniques</i> , 2015 , 8, 5063-5087	4	79
18	Evidence of a natural marine source of oxalic acid and a possible link to glyoxal. <i>Journal of Geophysical Research</i> , 2011 , 116,		72
17	Exhaust emissions of polycyclic aromatic hydrocarbons, n-alkanes and phenols from vehicles coming within different European classes. <i>Atmospheric Environment</i> , 2014 , 82, 391-400	5.3	63
16	Fog occurrence and chemical composition in the Po valley over the last twenty years. <i>Atmospheric Environment</i> , 2014 , 98, 394-401	5.3	47
15	Determination of the biogenic secondary organic aerosol fraction in the boreal forest by NMR spectroscopy. <i>Atmospheric Chemistry and Physics</i> , 2012 , 12, 941-959	6.8	42
14	Measurements of the aerosol chemical composition and mixing state in the Po Valley using multiple spectroscopic techniques. <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 12109-12132	6.8	39
13	Primary and secondary biomass burning aerosols determined by proton nuclear magnetic resonance (¹ H-NMR) spectroscopy during the 2008 EUCAARI campaign in the Po Valley (Italy). <i>Atmospheric Chemistry and Physics</i> , 2014 , 14, 5089-5110	6.8	39
12	On the representativeness of coastal aerosol studies to open ocean studies: Mace Head [a] case study. <i>Atmospheric Chemistry and Physics</i> , 2009 , 9, 9635-9646	6.8	39
11	How much is particulate matter near the ground influenced by upper-level processes within and above the PBL? A summertime case study in Milan (Italy) evidences the distinctive role of nitrate. <i>Atmospheric Chemistry and Physics</i> , 2015 , 15, 2629-2649	6.8	31
10	The impact of biomass burning and aqueous-phase processing on air quality: a multi-year source apportionment study in the Po Valley, Italy. <i>Atmospheric Chemistry and Physics</i> , 2020 , 20, 1233-1254	6.8	26

9	The second ACTRIS inter-comparison (2016) for Aerosol Chemical Speciation Monitors (ACSM): Calibration protocols and instrument performance evaluations. <i>Aerosol Science and Technology</i> , 2019 , 53, 830-842	3.4	25
8	3-year chemical composition of free tropospheric PM1 at the Mt. Cimone GAW global station □ South Europe □165 m a.s.l.. <i>Atmospheric Environment</i> , 2014 , 87, 218-227	5.3	23
7	An evaluation of the performance of a green panel in improving air quality, the case study in a street canyon in Modena, Italy. <i>Atmospheric Environment</i> , 2021 , 247, 118189	5.3	5
6	Simulation of size-segregated aerosol chemical composition over northern Italy in clear sky and wind calm conditions. <i>Atmospheric Research</i> , 2013 , 125-126, 1-11	5.4	4
5	Understanding the environmental factors related to the decrease in Pediatric Emergency Department referrals for acute asthma during the SARS-CoV-2 pandemic. <i>Pediatric Pulmonology</i> , 2022 , 57, 66-74	3.5	3
4	Potential Deployment of Reversible Solid-Oxide Cell Systems to Valorise Organic Waste, Balance the Power Grid and Produce Renewable Methane: A Case Study in the Southern Italian Peninsula. <i>Frontiers in Energy Research</i> , 2021 , 9,	3.8	3
3	Evaluating the Impact of a Wall-Type Green Infrastructure on PM10 and NOx Concentrations in an Urban Street Environment. <i>Atmosphere</i> , 2021 , 12, 839	2.7	2
2	The impact of biomass burning and aqueous-phase processing on air quality: a multi-year source apportionment study in the Po Valley, Italy 2019 ,		1
1	URBESS Nature based assessment tool for smart and sustainable urban planning. <i>Acta Horticulturae</i> , 2018 , 77-80	0.3	