

Claudio Carbone

List of Publications by Year in descending order

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Version: 2024-02-01

26
papers

2,235
citations

394286

19
h-index

610775

24
g-index

27
all docs

27
docs citations

27
times ranked

3144
citing authors

#	ARTICLE	IF	CITATIONS
1	Primary submicron marine aerosol dominated by insoluble organic colloids and aggregates. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	380
2	Important Source of Marine Secondary Organic Aerosol from Biogenic Amines. <i>Environmental Science & Technology</i> , 2008, 42, 9116-9121.	4.6	349
3	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, 10013-10018.	3.3	243
4	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.	0.6	175
5	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.	1.9	141
6	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.	1.2	118
7	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.	1.2	104
8	Size-resolved aerosol chemical composition over the Italian Peninsula during typical summer and winter conditions. <i>Atmospheric Environment</i> , 2010, 44, 5269-5278.	1.9	99
9	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.	1.9	87
10	Evidence of a natural marine source of oxalic acid and a possible link to glyoxal. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	86
11	Fog occurrence and chemical composition in the Po valley over the last twenty years. <i>Atmospheric Environment</i> , 2014, 98, 394-401.	1.9	66
12	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.	1.9	51
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.	1.9	51
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.	1.9	46
15	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.	1.9	45
16	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.	1.9	44
17	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.	1.9	42
18	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.	1.5	35

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19	3-year chemical composition of free tropospheric PM1 at the Mt. Cimone GAW global station â€“ South Europe â€“ 2165Âm a.s.l.. Atmospheric Environment, 2014, 87, 218-227.	1.9	30
20	Understanding the environmental factors related to the decrease in Pediatric Emergency Department referrals for acute asthma during the SARSâ€CoVâ€2 pandemic. Pediatric Pulmonology, 2022, 57, 66-74.	1.0	12
21	An evaluation of the performance of a green panel in improving air quality, the case study in a street canyon in Modena, Italy. Atmospheric Environment, 2021, 247, 118189.	1.9	9
22	Evaluating the Impact of a Wall-Type Green Infrastructure on PM10 and NOx Concentrations in an Urban Street Environment. Atmosphere, 2021, 12, 839.	1.0	9
23	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. Frontiers in Energy Research, 2021, 9, .	1.2	7
24	Simulation of size-segregated aerosol chemical composition over northern Italy in clear sky and wind calm conditions. Atmospheric Research, 2013, 125-126, 1-11.	1.8	4
25	New particle formation at Po-Valley during PEGASOS campaign. , 2013, , .		1
26	URBESS â€“ nature based assessment tool for smart and sustainable urban planning. Acta Horticulturae, 2018, , 77-80.	0.1	0