Chiara Giorio

List of Publications by Year
in descending order

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50 papers	4,228 citations	218677 26 h-index	189892 50 g-index
63 all docs	63 docs citations	63 times ranked	5122 citing authors

#	Article	IF	Citations
1	Wet deposition in the remote western and central Mediterranean as a source of trace metals to surface seawater. Atmospheric Chemistry and Physics, 2022, 22, 2309-2332.	4.9	10
2	Emerging investigator series: aqueous-phase processing of atmospheric aerosol influences dissolution kinetics of metal ions in an urban background site in the Po Valley. Environmental Sciences: Processes and Impacts, 2022, 24, 884-897.	3.5	3
3	Butene Emissions From Coastal Ecosystems May Contribute to New Particle Formation. Geophysical Research Letters, 2022, 49, .	4.0	5
4	An update of the Worldwide Integrated Assessment (WIA) on systemic insecticides. Part 1: new molecules, metabolism, fate, and transport. Environmental Science and Pollution Research, 2021, 28, 11716-11748.	5.3	67
5	An update of the Worldwide Integrated Assessment (WIA) on systemic insecticides. Part 2: impacts on organisms and ecosystems. Environmental Science and Pollution Research, 2021, 28, 11749-11797.	5.3	155
6	Methiocarb metabolites are systemically distributed throughout corn plants grown from coated seeds. Environmental Chemistry Letters, 2021, 19, 1887-1892.	16.2	5
7	An update of the Worldwide Integrated Assessment (WIA) on systemic insecticides. Environmental Science and Pollution Research, 2021, 28, 11709-11715.	5.3	10
8	Formation of metal-organic ligand complexes affects solubility of metals in airborne particles at an urban site in the Po valley. Chemosphere, 2020, 241, 125025.	8.2	26
9	A new method to assess the acute toxicity toward honeybees of the abrasion particles generated from seeds coated with insecticides. Environmental Sciences Europe, 2020, 32, .	5.5	11
10	Metal Ion Release from Fine Particulate Matter Sampled in the Po Valley to an Aqueous Solution Mimicking Fog Water: Kinetics and Solubility. Aerosol and Air Quality Research, 2020, 20, 720-729.	2.1	5
11	Direct Depolymerization Coupled to Liquid Extraction Surface Analysis-High-Resolution Mass Spectrometry for the Characterization of the Surface of Plant Tissues. Analytical Chemistry, 2019, 91, 8326-8333.	6.5	5
12	Direct Injection Liquid Chromatography High-Resolution Mass Spectrometry for Determination of Primary and Secondary Terrestrial and Marine Biomarkers in Ice Cores. Analytical Chemistry, 2019, 91, 5051-5057.	6.5	6
13	The Aerosols, Radiation and Clouds in Southern Africa Field Campaign in Namibia: Overview, Illustrative Observations, and Way Forward. Bulletin of the American Meteorological Society, 2019, 100, 1277-1298.	3.3	59
14	Sustainability of using vineyard pruning residues as an energy source: Combustion performances and environmental impact. Fuel, 2019, 243, 371-380.	6.4	24
15	Direct target and non-target analysis of urban aerosol sample extracts using atmospheric pressure photoionisation high-resolution mass spectrometry. Chemosphere, 2019, 224, 786-795.	8.2	18
16	A new method for the determination of primary and secondary terrestrial and marine biomarkers in ice cores using liquid chromatography high-resolution mass spectrometry. Talanta, 2019, 194, 233-242.	5.5	5
17	Prospects for reconstructing paleoenvironmental conditions from organic compounds in polar snow and ice. Quaternary Science Reviews, 2018, 183, 1-22.	3.0	25
18	A new processing scheme for ultra-high resolution direct infusion mass spectrometry data. Atmospheric Environment, 2018, 178, 129-139.	4.1	26

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19	Compositional Analysis of Adsorbed Organic Aerosol on a Microresonator Mass Sensor. Aerosol Science and Engineering, 2018, 2, 118-129.	1.9	3
20	Online Quantification of Criegee Intermediates of Î±-Pinene Ozonolysis by Stabilization with Spin Traps and Proton-Transfer Reaction Mass Spectrometry Detection. Journal of the American Chemical Society, 2017, 139, 3999-4008.	13.7	29
21	Detection and identification of Criegee intermediates from the ozonolysis of biogenic and anthropogenic VOCs: comparison between experimental measurements and theoretical calculations. Faraday Discussions, 2017, 200, 559-578.	3.2	12
22	Cloud Processing of Secondary Organic Aerosol from Isoprene and Methacrolein Photooxidation. Journal of Physical Chemistry A, 2017, 121, 7641-7654.	2.5	14
23	Formation of Metalâ€“Cyanide Complexes in Deliquescent Airborne Particles: A New Possible Sink for HCN in Urban Environments. Environmental Science & Technology, 2017, 51, 14107-14113.	10.0	7
24	Online molecular characterisation of organic aerosols in an atmospheric chamber using extractive electrospray ionisation mass spectrometry. Atmospheric Chemistry and Physics, 2017, 17, 14485-14500.	4.9	15
25	Multiphase composition changes and reactive oxygen species formation during limonene oxidation in the new Cambridge Atmospheric Simulation Chamber (CASC). Atmospheric Chemistry and Physics, 2017, 17, 9853-9868.	4.9	34
26	Vineyard pruning residues pellets for use in domestic appliances: a quality assessment according to the EN ISO 17225. Journal of Agricultural Engineering, 2017, 48, 99.	1.5	22
27	Dynamic viscosity mapping of the oxidation of squalene aerosol particles. Physical Chemistry Chemical Physics, 2016, 18, 30385-30393.	2.8	37
28	Enhanced Volatile Organic Compounds emissions and organic aerosol mass increase the oligomer content of atmospheric aerosols. Scientific Reports, 2016, 6, 35038.	3.3	80
29	Secondary organic aerosol formation from isoprene photooxidation during cloud condensationâ€“evaporation cycles. Atmospheric Chemistry and Physics, 2016, 16, 1747-1760.	4.9	27
30	Relating hygroscopicity and optical properties to chemical composition and structure of secondary organic aerosol particles generated from the ozonolysis of Î±-pinene. Atmospheric Chemistry and Physics, 2015, 15, 3339-3358.	4.9	33
31	Molecular composition of fresh and aged secondary organic aerosol from a mixture of biogenic volatile compounds: a high-resolution mass spectrometry study. Atmospheric Chemistry and Physics, 2015, 15, 5683-5695.	4.9	74
32	Gaseous products and secondary organic aerosol formation during long term oxidation of isoprene and methacrolein. Atmospheric Chemistry and Physics, 2015, 15, 2953-2968.	4.9	41
33	Aging of secondary organic aerosol generated from the ozonolysis of Î±-pinene: effects of ozone, light and temperature. Atmospheric Chemistry and Physics, 2015, 15, 883-897.	4.9	27
34	Local and Regional Components of Aerosol in a Heavily Trafficked Street Canyon in Central London Derived from PMF and Cluster Analysis of Single-Particle ATOFMS Spectra. Environmental Science & Technology, 2015, 49, 3330-3340.	10.0	41
35	Environmental fate and exposure; neonicotinoids and fipronil. Environmental Science and Pollution Research, 2015, 22, 35-67.	5.3	903
36	Conclusions of the Worldwide Integrated Assessment on the risks of neonicotinoids and fipronil to biodiversity and ecosystem functioning. Environmental Science and Pollution Research, 2015, 22, 148-154.	5.3	206

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37	Direct Surface Analysis Coupled to High-Resolution Mass Spectrometry Reveals Heterogeneous Composition of the Cuticle of Hibiscus trionum Petals. Analytical Chemistry, 2015, 87, 9900-9907.	6.5	17
38	Systemic insecticides (neonicotinoids and fipronil): trends, uses, mode of action and metabolites. Environmental Science and Pollution Research, 2015, 22, 5-34.	5.3	1,215
39	Effects of anthropogenic emissions on the molecular composition of urban organic aerosols: An ultrahigh resolution mass spectrometry study. Atmospheric Environment, 2014, 89, 525-532.	4.1	64
40	Molecular composition of biogenic secondary organic aerosols using ultrahigh-resolution mass spectrometry: comparing laboratory and field studies. Atmospheric Chemistry and Physics, 2014, 14, 2155-2167.	4.9	70
41	Aerial powdering of bees inside mobile cages and the extent of neonicotinoid cloud surrounding corn drillers. Journal of Applied Entomology, 2013, 137, 35-44.	1.8	46
42	Ultratrace determination of total and available cyanides in industrial wastewaters through a rapid headspace-based sample preparation and gas chromatography with nitrogen phosphorous detection analysis. Journal of Chromatography A, 2013, 1300, 209-216.	3.7	11
43	UHPLC-DAD method for the determination of neonicotinoid insecticides in single bees and its relevance in honeybee colony loss investigations. Analytical and Bioanalytical Chemistry, 2013, 405, 1007-1014.	3.7	30
44	Field comparison of a personal cascade impactor sampler, an optical particle counter and CEN-EU standard methods for PM10, PM2.5 and PM1 measurement in urban environment. Journal of Aerosol Science, 2013, 65, 111-120.	3.8	32
45	Assessment of the Environmental Exposure of Honeybees to Particulate Matter Containing Neonicotinoid Insecticides Coming from Corn Coated Seeds. Environmental Science & Technology, 2012, 46, 2592-2599.	10.0	166
46	Comparison of three techniques for analysis of data from an Aerosol Time-of-Flight Mass Spectrometer. Atmospheric Environment, 2012, 61, 316-326.	4.1	34
47	Fatal powdering of bees in flight with particulates of neonicotinoids seed coating and humidity implication. Journal of Applied Entomology, 2012, 136, 17-26.	1.8	75
48	Rapid analysis of neonicotinoid insecticides in guttation drops of corn seedlings obtained from coated seeds. Journal of Environmental Monitoring, 2011, 13, 1564.	2.1	99
49	Size distribution of airborne particles controls outcome of epidemiological studies. Science of the Total Environment, 2010, 409, 289-293.	8.0	41
50	Translocation of Neonicotinoid Insecticides From Coated Seeds to Seedling Guttation Drops: A Novel Way of Intoxication for Bees. Journal of Economic Entomology, 2009, 102, 1808-1815.	1.8	252