Monica Passananti

List of Publications by Year
in descending order

41 papers	1,561 citations	257101 24 h-index	301761 39 g-index
53 all docs	53 docs citations	53 times ranked	2197 citing authors

#	Article	IF	Citations
1	Multicomponent new particle formation from sulfuric acid, ammonia, and biogenic vapors. Science Advances, 2018, 4, eaau5363.	4.7	164
2	Atmospheric photochemistry at a fatty acidâ€“coated air-water interface. Science, 2016, 353, 699-702.	6.0	133
3	Rapid growth of organic aerosol nanoparticles over a wide tropospheric temperature range. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, 9122-9127.	3.3	118
4	Photosensitized Production of Atmospherically Reactive Organic Compounds at the Air/Aqueous Interface. Journal of the American Chemical Society, 2015, 137, 8348-8351.	6.6	97
5	Diamines Can Initiate New Particle Formation in the Atmosphere. Journal of Physical Chemistry A, 2017, 121, 6155-6164.	1.1	72
6	Atmospheric Micro and Nanoplastics: An Enormous Microscopic Problem. Sustainability, 2020, 12, 7327.	1.6	66
7	Mechanistic Insights on the Photosensitized Chemistry of a Fatty Acid at the Air/Water Interface. Environmental Science & Technology, 2016, 50, 11041-11048.	4.6	64
8	Organosulfate Formation through the Heterogeneous Reaction of Sulfur Dioxide with Unsaturated Fatty Acids and Longâ€€Chain Alkenes. Angewandte Chemie - International Edition, 2016, 55, 10336-10339.	7.2	63
9	Fe(III)â€“EDDS complex in Fenton and photo-Fenton processes: from the radical formation to the degradation of a target compound. Environmental Science and Pollution Research, 2014, 21, 12154-12162.	2.7	59
10	SO₂ Uptake on Oleic Acid: A New Formation Pathway of Organosulfur Compounds in the Atmosphere. Environmental Science and Technology Letters, 2016, 3, 67-72.	3.9	56
11	Degradation of nanoplastics in the environment: Reactivity and impact on atmospheric and surface waters. Science of the Total Environment, 2020, 742, 140413.	3.9	51
12	A better understanding of hydroxyl radical photochemical sources in cloud waters collected at the puy de DÃ´me station â€“ experimental versus modelled formation rates. Atmospheric Chemistry and Physics, 2015, 15, 9191-9202.	1.9	50
13	Role of base strength, cluster structure and charge in sulfuric-acid-driven particle formation. Atmospheric Chemistry and Physics, 2019, 19, 9753-9768.	1.9	49
14	Molecular understanding of the suppression of new-particle formation by isoprene. Atmospheric Chemistry and Physics, 2020, 20, 11809-11821.	1.9	49
15	How well can we predict cluster fragmentation inside a mass spectrometer?. Chemical Communications, 2019, 55, 5946-5949.	2.2	43
16	Fatty Acid Surfactant Photochemistry Results in New Particle Formation. Scientific Reports, 2017, 7, 12693.	1.6	37
17	Siderophores in Cloud Waters and Potential Impact on Atmospheric Chemistry: Photoreactivity of Iron Complexes under Sun-Simulated Conditions. Environmental Science & Technology, 2016, 50, 9324-9332.	4.6	33
18	Photoenhanced transformation of nicotine in aquatic environments: Involvement of naturally occurring radical sources. Water Research, 2014, 55, 106-114.	5.3	32

#	Article	IF	Citations
19	Guanidine: A Highly Efficient Stabilizer in Atmospheric New-Particle Formation. Journal of Physical Chemistry A, 2018, 122, 4717-4729.	1.1	32
20	Modeling on Fragmentation of Clusters inside a Mass Spectrometer. Journal of Physical Chemistry A, 2019, 123, 611-624.	1.1	32
21	Photochemistry of the Cloud Aqueous Phase: A Review. Molecules, 2020, 25, 423.	1.7	32
22	Chemical fate and genotoxic risk associated with hypochlorite treatment of nicotine. Science of the Total Environment, 2012, 426, 132-138.	3.9	29
23	The role of direct photolysis in the photodegradation of the herbicide bentazone in natural surface waters. Chemosphere, 2020, 246, 125705.	4.2	26
24	Tryptophan and tryptophan-like substances in cloud water: Occurrence and photochemical fate. Atmospheric Environment, 2016, 137, 53-61.	1.9	25
25	Determination of photostability and photodegradation products of indomethacin in aqueous media. Journal of Pharmaceutical and Biomedical Analysis, 2011, 56, 678-683.	1.4	22
26	Photochemical fate and eco-genotoxicity assessment of the drug etodolac. Science of the Total Environment, 2015, 518-519, 258-265.	3.9	16
27	Ecotoxic effects of loratadine and its metabolic and light-induced derivatives. Ecotoxicology and Environmental Safety, 2019, 170, 664-672.	2.9	16
28	Visualizing reaction and diffusion in xanthan gum aerosol particles exposed to ozone. Physical Chemistry Chemical Physics, 2019, 21, 20613-20627.	1.3	15
29	The impact of the hydroxyl radical photochemical sources on the rivastigmine drug transformation inÂmimic and natural waters. Water Research, 2013, 47, 5422-5430.	5.3	14
30	Toward Large-Scale Autonomous Marine Pollution Monitoring. IEEE Internet of Things Magazine, 2021, 4, 40-45.	2.0	12
31	Chlorpropham and phenisopham: phototransformation and ecotoxicity of carbamates in the aquatic environment. Environmental Sciences: Processes and Impacts, 2014, 16, 823-831.	1.7	9
32	PENGUIN. , 2020, , .		7
33	A study on the fragmentation of sulfuric acid and dimethylamine clusters inside an atmospheric pressure interface time-of-flight mass spectrometer. Atmospheric Measurement Techniques, 2022, 15, 11-19.	1.2	7
34	Separation of isomers using a differential mobility analyser (DMA): Comparison of experimental vs modelled ion mobility. Talanta, 2022, 243, 123339.	2.9	7
35	Dye-Sensitized Photooxygenation of 2,5-Bis(glycosyl)furans. Letters in Organic Chemistry, 2011, 8, 309-314.	0.2	5
36	Photochemical Behaviour of Carbamates Structurally Related to Herbicides in Aqueous Media: Nucleophilic Solvent Trapping versus Radical Reactions. International Journal of Photoenergy, 2014, 2014, 1-6.	1.4	4

#	Article	IF	Citations
37	Highly oxygenated organic molecule cluster decomposition in atmospheric pressure interface time-of-flight mass spectrometers. Atmospheric Measurement Techniques, 2020, 13, 3581-3593.	1.2	4
38	From plastic-waste to H2: A first approach to the electrochemical reforming of dissolved Poly(methyl) Tj ETQq0 0 0 rgBT /Overlock 10 Tf	3.8	4
39	Phototransformation of the drug rivastigmine: Photoinduced cleavage of benzyl-nitrogen sigma bond. Journal of Photochemistry and Photobiology A: Chemistry, 2012, 239, 1-6.	2.0	3
40	Organosulfate Formation through the Heterogeneous Reaction of Sulfur Dioxide with Unsaturated Fatty Acids and Longâ€Chain Alkenes. Angewandte Chemie, 2016, 128, 10492-10495.	1.6	2
41	Imaging Molecular Reaction and Diffusion in Organic Aerosol Particles. Microscopy and Microanalysis, 2018, 24, 496-497.	0.2	0