

# Sandro Fuzzi

## List of Publications by Year in Descending Order

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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.

79  
papers

8,602  
citations

38  
h-index

89  
g-index

89  
ext. papers

9,536  
ext. citations

7.2  
avg, IF

5.22  
L-index

#	Paper	IF	Citations
79	Tropical and Boreal Forest [Atmosphere Interactions: A Review. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>2022</b> , 74, 24-163	3.3	1
78	Public perception of air pollution sources across Europe. <i>Ambio</i> , <b>2021</b> , 50, 1150-1158	6.5	11
77	Historical Changes in Seasonal Aerosol Acidity in the Po Valley (Italy) as Inferred from Fog Water and Aerosol Measurements. <i>Environmental Science &amp; Technology</i> , <b>2021</b> , 55, 7307-7315	10.3	4
76	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> , <b>2020</b> , 20, 1233-1254	6.8	26
75	Reconstructing Elemental Carbon Long-Term Trend in the Po Valley (Italy) from Fog Water Samples. <i>Atmosphere</i> , <b>2020</b> , 11, 580	2.7	2
74	Biological fluid dynamics of airborne COVID-19 infection. <i>Rendiconti Lincei</i> , <b>2020</b> , 31, 1-33	1.7	39
73	The impact of biomass burning and aqueous-phase processing on air quality: a multi-year source apportionment study in the Po Valley, Italy <b>2019</b> ,		1
72	Indoor air pollution exposure effects on lung and cardiovascular health in the High Himalayas, Nepal: An observational study. <i>European Journal of Internal Medicine</i> , <b>2019</b> , 61, 81-87	3.9	15
71	Enhanced toxicity of aerosol in fog conditions in the Po Valley, Italy. <i>Atmospheric Chemistry and Physics</i> , <b>2017</b> , 17, 7721-7731	6.8	30
70	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> , <b>2016</b> , 113, 10013-8	11.5	170
69	Air quality from a social perspective in four European metropolitan areas: Research hypothesis and evidence from the SEFIRA project. <i>Environmental Science and Policy</i> , <b>2016</b> , 65, 58-64	6.2	4
68	Light absorption properties of brown carbon in the high Himalayas. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2016</b> , 121, 9621-9639	4.4	61
67	Aerosol Nucleation in the Terrestrial Atmosphere <b>2016</b> , 87-114		
66	Chemical Composition of Aerosols of Different Origin <b>2016</b> , 183-221		2
65	Air quality and climate change: Designing new win-win policies for Europe. <i>Environmental Science and Policy</i> , <b>2016</b> , 65, 48-57	6.2	42
64	Modelling individual preferences for environmental policy drivers: Empirical evidence of Italian lifestyle changes using a latent class approach. <i>Environmental Science and Policy</i> , <b>2016</b> , 65, 65-74	6.2	26
63	Connecting marine productivity to sea-spray via nanoscale biological processes: Phytoplankton Dance or Death Disco?. <i>Scientific Reports</i> , <b>2015</b> , 5, 14883	4.9	58

62	Particulate matter, air quality and climate: lessons learned and future needs. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 8217-8299	6.8	462
61	Organic aerosol evolution and transport observed at Mt. Cimone (2165 m a.s.l.), Italy, during the PEGASOS campaign. <i>Atmospheric Chemistry and Physics</i> , <b>2015</b> , 15, 11327-11340	6.8	17
60	3-year chemical composition of free tropospheric PM <sub>1</sub> at the Mt. Cimone GAW global station □ South Europe □ 165 m a.s.l.. <i>Atmospheric Environment</i> , <b>2014</b> , 87, 218-227	5.3	23
59	Spatial and seasonal variability of carbonaceous aerosol across Italy. <i>Atmospheric Environment</i> , <b>2014</b> , 99, 587-598	5.3	112
58	On the water-soluble organic nitrogen concentration and mass size distribution during the fog season in the Po Valley, Italy. <i>Science of the Total Environment</i> , <b>2014</b> , 485-486, 103-109	10.2	19
57	Primary and secondary biomass burning aerosols determined by proton nuclear magnetic resonance ( <sup>1</sup> H-NMR) spectroscopy during the 2008 EUCAARI campaign in the Po Valley (Italy). <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 5089-5110	6.8	39
56	In situ physical and chemical characterisation of the Eyjafjallajökull aerosol plume in the free troposphere over Italy. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 1075-1092	6.8	11
55	Identification of humic-like substances (HULIS) in oxygenated organic aerosols using NMR and AMS factor analyses and liquid chromatographic techniques. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 25-45	6.8	43
54	Fog scavenging of organic and inorganic aerosol in the Po Valley. <i>Atmospheric Chemistry and Physics</i> , <b>2014</b> , 14, 6967-6981	6.8	80
53	Is chlorophyll-a the best surrogate for organic matter enrichment in submicron primary marine aerosol?. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 4964-4973	4.4	78
52	Chemical characterization of springtime submicrometer aerosol in Po Valley, Italy. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 8401-8421	6.8	79
51	Determination of the biogenic secondary organic aerosol fraction in the boreal forest by NMR spectroscopy. <i>Atmospheric Chemistry and Physics</i> , <b>2012</b> , 12, 941-959	6.8	42
50	Evidence of a natural marine source of oxalic acid and a possible link to glyoxal. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		72
49	Primary and Secondary Organic Marine Aerosol and Oceanic Biological Activity: Recent Results and New Perspectives for Future Studies. <i>Advances in Meteorology</i> , <b>2010</b> , 2010, 1-10	1.7	149
48	Chemical composition of PM <sub>10</sub> and PM <sub>2.5</sub> at the high-altitude Himalayan station Nepal Climate Observatory-Pyramid (NCO-P) (5079 m a.s.l.). <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 4583-4596	6.8	119
47	Atmospheric Brown Clouds in the Himalayas: first two years of continuous observations at the Nepal Climate Observatory-Pyramid (5079 m). <i>Atmospheric Chemistry and Physics</i> , <b>2010</b> , 10, 7515-7531	6.8	202
46	The ABC-Pyramid Atmospheric Research Observatory in Himalaya for aerosol, ozone and halocarbon measurements. <i>Science of the Total Environment</i> , <b>2008</b> , 391, 252-61	10.2	97
45	Marine aerosol chemistry gradients: Elucidating primary and secondary processes and fluxes. <i>Geophysical Research Letters</i> , <b>2008</b> , 35, n/a-n/a	4.9	82

44	Primary submicron marine aerosol dominated by insoluble organic colloids and aggregates. <i>Geophysical Research Letters</i> , <b>2008</b> , 35,	4.9	329
43	Flood or drought: how do aerosols affect precipitation?. <i>Science</i> , <b>2008</b> , 321, 1309-13	33.3	1352
42	Important source of marine secondary organic aerosol from biogenic amines. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 9116-21	10.3	295
41	NMR determination of total carbonyls and carboxyls: a tool for tracing the evolution of atmospheric oxidized organic aerosols. <i>Environmental Science &amp; Technology</i> , <b>2008</b> , 42, 4844-9	10.3	38
40	High frequency new particle formation in the Himalayas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2008</b> , 105, 15666-71	11.5	122
39	Source attribution of water-soluble organic aerosol by nuclear magnetic resonance spectroscopy. <i>Environmental Science &amp; Technology</i> , <b>2007</b> , 41, 2479-84	10.3	139
38	Overview of the inorganic and organic composition of size-segregated aerosol in Rondônia, Brazil, from the biomass-burning period to the onset of the wet season. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		108
37	An anion-exchange high-performance liquid chromatography method coupled to total organic carbon determination for the analysis of water-soluble organic aerosols. <i>Journal of Chromatography A</i> , <b>2007</b> , 1149, 385-9	4.5	9
36	Chemical Characterization and Source Apportionment of Size-Segregated Aerosol Collected at an Urban Site in Sicily. <i>Water, Air, and Soil Pollution</i> , <b>2007</b> , 185, 311-321	2.6	37
35	9 Merging regional and global chemistry, air quality and global change: SHARE-Asia in the context of the IGAC project. <i>Developments in Earth Surface Processes</i> , <b>2007</b> , 10, 59-65	2.8	
34	10 The ABC-Pyramid: a scientific laboratory at 5079 m a.s.l. for the study of atmospheric composition change and climate. <i>Developments in Earth Surface Processes</i> , <b>2007</b> , 10, 67-75	2.8	1
33	Extractable iron and organic matter in the suspended insoluble material of fog droplets. <i>Water, Air, and Soil Pollution</i> , <b>2006</b> , 174, 303-320	2.6	5
32	Simplification of the representation of the organic component of atmospheric particulates. <i>Faraday Discussions</i> , <b>2005</b> , 130, 341-62; discussion 363-86, 519-24	3.6	106
31	Cloud condensation nucleus production from nucleation events at a highly polluted region. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	160
30	Comment on On the use of anion exchange chromatography for the characterization of water soluble organic carbon by H. Chang et al.. <i>Geophysical Research Letters</i> , <b>2005</b> , 32,	4.9	8
29	Partitioning of metals between the aqueous phase and suspended insoluble material in fog droplets. <i>Annali Di Chimica</i> , <b>2005</b> , 95, 275-90		14
28	Biogenically driven organic contribution to marine aerosol. <i>Nature</i> , <b>2004</b> , 431, 676-80	50.4	761
27	A European aerosol phenomenology I: physical characteristics of particulate matter at kerbside, urban, rural and background sites in Europe. <i>Atmospheric Environment</i> , <b>2004</b> , 38, 2561-2577	5.3	381

26	A European aerosol phenomenology 2: chemical characteristics of particulate matter at kerbside, urban, rural and background sites in Europe. <i>Atmospheric Environment</i> , <b>2004</b> , 38, 2579-2595	5.3	744
25	Analytical formulas for the below-cloud scavenging coefficient of an irreversibly soluble gas: a quantitative evaluation for HNO <sub>3</sub> . <i>International Journal of Environment and Pollution</i> , <b>2004</b> , 21, 547	0.7	3
24	Molecular Characterization of the Water-Soluble Organic Compounds in Fogwater by ESIMS/MS. <i>Environmental Science &amp; Technology</i> , <b>2003</b> , 37, 1229-1240	10.3	83
23	Soluble organic compounds in fog and cloud droplets: what have we learned over the past few years?. <i>Atmospheric Research</i> , <b>2002</b> , 64, 89-98	5.4	64
22	Comments on Influence of Soluble Surfactant Properties on the Activation of Aerosol Particles Containing Inorganic Solute. <i>Journals of the Atmospheric Sciences</i> , <b>2001</b> , 58, 1465-1467	2.1	19
21	The Cloud Ice Mountain Experiment (CIME) 1998: experiment overview and modelling of the microphysical processes during the seeding by isentropic gas expansion. <i>Atmospheric Research</i> , <b>2001</b> , 58, 231-265	5.4	23
20	Behaviour of H <sub>2</sub> O <sub>2</sub> , NH <sub>3</sub> , and black carbon in mixed-phase clouds during CIME. <i>Atmospheric Research</i> , <b>2001</b> , 58, 315-336	5.4	11
19	Surface tension of atmospheric wet aerosol and cloud/fog droplets in relation to their organic carbon content and chemical composition. <i>Atmospheric Environment</i> , <b>2000</b> , 34, 4853-4857	5.3	252
18	Characterization of water-soluble organic compounds in atmospheric aerosol: A new approach. <i>Journal of Geophysical Research</i> , <b>2000</b> , 105, 1481-1489		313
17	Cloud albedo enhancement by surface-active organic solutes in growing droplets. <i>Nature</i> , <b>1999</b> , 401, 257-259	50.4	598
16	Partitioning of the organic aerosol component between fog droplets and interstitial air. <i>Journal of Geophysical Research</i> , <b>1999</b> , 104, 26821-26832		159
15	An Automated Fog Water Collector Suitable for Deposition Networks: Design, Operation and Field Tests. <i>Water, Air, and Soil Pollution</i> , <b>1997</b> , 93, 383-394	2.6	3
14	An automated fog water collector suitable for deposition networks: Design, operation and field tests. <i>Water, Air, and Soil Pollution</i> , <b>1997</b> , 93, 383-394	2.6	24
13	Overview of the biogenic sources of atmospheric trace compounds due to agricultural activities. <i>Aerobiologia</i> , <b>1996</b> , 12, 129-132	2.4	
12	Changes in aerosol size- and phase distributions due to physical and chemical processes in fog. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1992</b> , 44, 489-504	3.3	53
11	Measurements of the partitioning of hydrogen peroxide in a stratiform cloud <sup>1</sup> . <i>Tellus, Series B: Chemical and Physical Meteorology</i> , <b>1991</b> , 43, 280-290	3.3	11
10	An automatic station for fog water collection. <i>Atmospheric Environment Part A General Topics</i> , <b>1990</b> , 24, 2609-2614		15
9	Chemistry of carbonyl compounds in Po Valley fog water. <i>Science of the Total Environment</i> , <b>1990</b> , 91, 79-86	10.2	15

8	Characterization of atmospheric particulate matter over the eastern Mediterranean sea. <i>Journal of Aerosol Science</i> , <b>1989</b> , 20, 1241-1244	4.3	2
7	Heterogeneous processes in the Po Valley radiation fog. <i>Journal of Geophysical Research</i> , <b>1988</b> , 93, 11141		59
6	Behaviour of 3-methyl-2-benzothiazolone azines of carbonyl compounds in high-performance liquid chromatography. <i>Journal of Chromatography A</i> , <b>1987</b> , 387, 459-66	4.5	9
5	Wet deposition due to fog in the Po Valley, Italy. <i>Journal of Atmospheric Chemistry</i> , <b>1985</b> , 3, 289-296	3.2	27
4	Determination of formaldehyde as its lutidine derivative in the atmospheric liquid phase by high-performance liquid chromatography. <i>Journal of Chromatography A</i> , <b>1985</b> , 333, 262-268	4.5	15
3	Particulate matter, air quality and climate: lessons learned and future needs		12
2	Organic aerosol evolution and transport observed at Mt. Cimone (2165 m a.s.l.), Italy, during the PEGASOS campaign		1
1	Identification of humic-like substances (HULIS) in oxygenated organic aerosols using NMR and AMS factor analyses and liquid chromatographic techniques		1