

Eleonora Aruffo

List of Publications by Year in descending order

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Version: 2024-02-01

28
papers

842
citations

759233

12
h-index

501196

28
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29
all docs

29
docs citations

29
times ranked

1836
citing authors

#	ARTICLE	IF	CITATIONS
1	Recursive neural network model for analysis and forecast of PM10 and PM2.5. Atmospheric Pollution Research, 2017, 8, 652-659.	3.8	223
2	Effects of land use on surface-atmosphere exchanges of trace gases and energy in Borneo: comparing fluxes over oil palm plantations and a rainforest. Philosophical Transactions of the Royal Society B: Biological Sciences, 2011, 366, 3196-3209.	4.0	78
3	Influence of aerosol chemical composition on NO_2 uptake: airborne regional measurements in northwestern Europe. Atmospheric Chemistry and Physics, 2015, 15, 973-990.	4.9	66
4	Ozone photochemistry in boreal biomass burning plumes. Atmospheric Chemistry and Physics, 2013, 13, 7321-7341.	4.9	64
5	Properties and evolution of biomass burning organic aerosol from Canadian boreal forest fires. Atmospheric Chemistry and Physics, 2015, 15, 3077-3095.	4.9	61
6	Quantifying the impact of BOREal forest fires on Tropospheric oxidants over the Atlantic using Aircraft and Satellites (BORTAS) experiment: design, execution and science overview. Atmospheric Chemistry and Physics, 2013, 13, 6239-6261.	4.9	52
7	Analysis of surface ozone using a recurrent neural network. Science of the Total Environment, 2015, 514, 379-387.	8.0	52
8	Radical chemistry at night: comparisons between observed and modelled HO_2 , NO_3 and N_2O_5 during the RONOCO project. Atmospheric Chemistry and Physics, 2014, 14, 1299-1321.	4.9	42
9	WRF-Chem model predictions of the regional impacts of NO_2 , O_3 and N_2O_5 heterogeneous processes on night-time chemistry over north-western Europe. Atmospheric Chemistry and Physics, 2015, 15, 1385-1409.	4.9	38
10	Air and surface measurements of SARS-CoV-2 inside a bus during normal operation. PLoS ONE, 2020, 15, e0235943.	2.5	36
11	Aircraft based four-channel thermal dissociation laser induced fluorescence instrument for simultaneous measurements of NO_2 , total peroxy nitrate, total alkyl nitrate, and HNO_3 . Atmospheric Measurement Techniques, 2013, 6, 971-980.	3.1	29
12	Precipitation intensity under a warming climate is threatening some Italian premium wines. Science of the Total Environment, 2019, 685, 508-513.	8.0	14
13	Effects of ozone exposure on human epithelial adenocarcinoma and normal fibroblasts cells. PLoS ONE, 2017, 12, e0184519.	2.5	13
14	Aircraft observations of the lower troposphere above a megacity: Alkyl nitrate and ozone chemistry. Atmospheric Environment, 2014, 94, 479-488.	4.1	11
15	Wildfires impact on surface nitrogen oxides and ozone in Central Italy. Atmospheric Pollution Research, 2015, 6, 29-35.	3.8	10
16	Production of peroxy nitrates in boreal biomass burning plumes over Canada during the BORTAS campaign. Atmospheric Chemistry and Physics, 2016, 16, 3485-3497.	4.9	7
17	Normal breathing releases SARS-CoV-2 into the air. Journal of Medical Microbiology, 2021, 70, .	1.8	7
18	Homogenization of instrumental time series of air temperature in Central Italy (1930-2015). Climate Research, 2019, 77, 193-204.	1.1	6

#	ARTICLE	IF	CITATIONS
19	Impact of biomass burning emission on total peroxy nitrates: fire plume identification during the BORTAS campaign. <i>Atmospheric Measurement Techniques</i> , 2016, 9, 5591-5606.	3.1	5
20	Increasing the maturity of measurements of essential climate variables (ECVs) at Italian atmospheric WMO/GAW observatories by implementing automated data elaboration chains. <i>Computers and Geosciences</i> , 2020, 137, 104432.	4.2	5
21	Hyperspectral Fluorescence LIDAR Based on a Liquid Crystal Tunable Filter for Marine Environment Monitoring. <i>Sensors</i> , 2020, 20, 410.	3.8	5
22	<i>Bacillus thuringiensis</i> Cells Selectively Captured by Phages and Identified by Surface Enhanced Raman Spectroscopy Technique. <i>Micromachines</i> , 2021, 12, 100.	2.9	5
23	Partitioning of Organonitrates in the Production of Secondary Organic Aerosols from α -Pinene Photo-Oxidation. <i>Environmental Science & Technology</i> , 2022, 56, 5421-5429.	10.0	4
24	The Relationship between PM _{2.5} and PM ₁₀ in Central Italy: Application of Machine Learning Model to Segregate Anthropogenic from Natural Sources. <i>Atmosphere</i> , 2022, 13, 484.	2.3	3
25	An Assessment of Stratospheric Intrusions in Italian Mountain Regions Using STEFLUX. <i>Atmosphere</i> , 2018, 9, 413.	2.3	2
26	Neural Network Model Analysis for Investigation of NO Origin in a High Mountain Site. <i>Atmosphere</i> , 2020, 11, 173.	2.3	2
27	Fractal Dimension Analysis Applied to Soil CO ₂ Fluxes in Campotosto's Seismic Area, Central Italy. <i>Geosciences (Switzerland)</i> , 2020, 10, 233.	2.2	1
28	Genotoxicity Response of Fibroblast Cells and Human Epithelial Adenocarcinoma In Vitro Model Exposed to Bare and Ozone-Treated Silica Microparticles. <i>Cells</i> , 2022, 11, 226.	4.1	1