

Daniele Contini

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9314059/publications.pdf>

Version: 2024-02-01

124
papers

4,692
citations

93792

39
h-index

129628

63
g-index

125
all docs

125
docs citations

125
times ranked

5389
citing authors

#	ARTICLE	IF	CITATIONS
1	Airborne concentrations of SARS-CoV-2 in indoor community environments in Italy. <i>Environmental Science and Pollution Research</i> , 2022, 29, 13905-13916.	2.7	30
2	A review on measurements of SARS-CoV-2 genetic material in air in outdoor and indoor environments: Implication for airborne transmission. <i>Science of the Total Environment</i> , 2022, 809, 151137.	3.9	62
3	Aerosol number fluxes and concentrations over a southern European urban area. <i>Atmospheric Environment</i> , 2022, 269, 118849.	1.9	4
4	Role of air pollutants mediated oxidative stress in respiratory diseases. <i>Pediatric Allergy and Immunology</i> , 2022, 33, 38-40.	1.1	17
5	Development and characterization of a gold nanoparticles glassy carbon modified electrode for dithiotreitol (DTT) detection suitable to be applied for determination of atmospheric particulate oxidative potential. <i>Analytica Chimica Acta</i> , 2022, 1206, 339556.	2.6	7
6	Particulate Matter Ionic and Elemental Composition during the Winter Season: A Comparative Study among Rural, Urban and Remote Sites in Southern Italy. <i>Atmosphere</i> , 2022, 13, 356.	1.0	4
7	Multiresolution decomposition and wavelet analysis of urban aerosol fluxes in Italy and Austria. <i>Atmospheric Research</i> , 2021, 248, 105267.	1.8	8
8	Study of new particle formation events in southern Italy. <i>Atmospheric Environment</i> , 2021, 244, 117920.	1.9	17
9	Chemical characterization and source apportionment of size-segregated aerosol in the port-city of Venice (Italy). <i>Atmospheric Pollution Research</i> , 2021, 12, 261-271.	1.8	16
10	SARS-CoV-2 concentrations and virus-laden aerosol size distributions in outdoor air in north and south of Italy. <i>Environment International</i> , 2021, 146, 106255.	4.8	82
11	On the concentration of SARS-CoV-2 in outdoor air and the interaction with pre-existing atmospheric particles. <i>Environmental Research</i> , 2021, 193, 110603.	3.7	69
12	Recent Advances in Studying Air Quality and Health Effects of Shipping Emissions. <i>Atmosphere</i> , 2021, 12, 92.	1.0	39
13	Impact of the Coronavirus Pandemic Lockdown on Atmospheric Nanoparticle Concentrations in Two Sites of Southern Italy. <i>Atmosphere</i> , 2021, 12, 352.	1.0	16
14	Shipping and Air Quality in Italian Port Cities: State-of-the-Art Analysis of Available Results of Estimated Impacts. <i>Atmosphere</i> , 2021, 12, 536.	1.0	19
15	Oxidative Potential of Atmospheric Aerosols. <i>Atmosphere</i> , 2021, 12, 531.	1.0	8
16	Oxidative Potential, Cytotoxicity, and Intracellular Oxidative Stress Generating Capacity of PM10: A Case Study in South of Italy. <i>Atmosphere</i> , 2021, 12, 464.	1.0	26
17	Characterization of airborne particulate fractions from the port city of Rijeka, Croatia. <i>Marine Pollution Bulletin</i> , 2021, 166, 112236.	2.3	10
18	Trends of Shipping Impact to Particulate Matter in Two Adriatic Port-Cities. <i>Environmental Sciences Proceedings</i> , 2021, 8, 10.	0.3	0

#	ARTICLE	IF	CITATIONS
19	Contribution of Aerosol Sources to Health Impacts. <i>Atmosphere</i> , 2021, 12, 730.	1.0	8
20	Measurements of SARS-CoV-2 RNA Concentrations in Indoor and Outdoor Air in Italy: Implications for the Role of Airborne Transmission. <i>Environmental Sciences Proceedings</i> , 2021, 8, 29.	0.3	0
21	Analysis of the contribution to PM10 concentrations of the largest coal-fired power plant of Italy in four different sites. <i>Atmospheric Pollution Research</i> , 2021, 12, 101135.	1.8	9
22	Time-domain diffuse optics with $8.6 \mu\text{m}^2$ fast-gated SiPM for extreme light harvesting. <i>Optics Letters</i> , 2021, 46, 424.	1.7	11
23	Impact of Shipping to Atmospheric Pollutants: State-of-the-Art and Perspectives. , 2021, , 268-276.		1
24	Chemical characterisation of PM10 from ship emissions: a study on samples from hydrofoil exhaust stacks. <i>Environmental Science and Pollution Research</i> , 2021, , 1.	2.7	4
25	Long-term characterisation of African dust advection in south-eastern Italy: Influence on fine and coarse particle concentrations, size distributions, and carbon content. <i>Atmospheric Research</i> , 2020, 233, 104690.	1.8	34
26	Evaluation of receptor and chemical transport models for PM10 source apportionment. <i>Atmospheric Environment: X</i> , 2020, 5, 100053.	0.8	41
27	An inter-comparison of size segregated carbonaceous aerosol collected by low-volume impactor in the port-cities of Venice (Italy) and Rijeka (Croatia). <i>Atmospheric Pollution Research</i> , 2020, 11, 1705-1714.	1.8	13
28	What impact of air pollution in pediatric respiratory allergic diseases. <i>Pediatric Allergy and Immunology</i> , 2020, 31, 26-28.	1.1	7
29	Multi-Year Concentrations, Health Risk, and Source Identification, of Air Toxics in the Venice Lagoon. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	8
30	Comparison of the impact of ships to size-segregated particle concentrations in two harbour cities of northern Adriatic Sea. <i>Environmental Pollution</i> , 2020, 266, 115175.	3.7	16
31	Long-Term Characterization of Submicron Atmospheric Particles in an Urban Background Site in Southern Italy. <i>Atmosphere</i> , 2020, 11, 334.	1.0	16
32	Consensus statement of the Italian society of pediatric allergy and immunology for the pragmatic management of children and adolescents with allergic or immunological diseases during the COVID-19 pandemic. <i>Italian Journal of Pediatrics</i> , 2020, 46, 84.	1.0	69
33	Reconstructing Elemental Carbon Long-Term Trend in the Po Valley (Italy) from Fog Water Samples. <i>Atmosphere</i> , 2020, 11, 580.	1.0	4
34	Characterisation of atmospheric pollution near an industrial site with a biogas production and combustion plant in southern Italy. <i>Science of the Total Environment</i> , 2020, 717, 137220.	3.9	21
35	Long-term observations of aerosol optical properties at three GAW regional sites in the Central Mediterranean. <i>Atmospheric Research</i> , 2020, 241, 104976.	1.8	10
36	Does Air Pollution Influence COVID-19 Outbreaks?. <i>Atmosphere</i> , 2020, 11, 377.	1.0	182

#	ARTICLE	IF	CITATIONS
37	Inter-comparison of carbon content in PM10 and PM2.5 measured with two thermo-optical protocols on samples collected in a Mediterranean site. <i>Environmental Science and Pollution Research</i> , 2019, 26, 29334-29350.	2.7	22
38	Atmospheric dry deposition processes of particles on urban and suburban surfaces: Modelling and validation works. <i>Atmospheric Environment</i> , 2019, 214, 116857.	1.9	11
39	Development of an integrated modelling-measurement system for near-real-time estimates of harbour activity impact to atmospheric pollution in coastal cities. <i>Transportation Research, Part D: Transport and Environment</i> , 2019, 73, 108-119.	3.2	53
40	Seasonal and diurnal behaviour of size segregated particles fluxes in a suburban area. <i>Atmospheric Environment</i> , 2019, 219, 117052.	1.9	13
41	Air pollution impact on carbonate building stones in Italian urban sites. <i>European Physical Journal Plus</i> , 2019, 134, 1.	1.2	17
42	Size-resolved particle emission factors of vehicular traffic derived from urban eddy covariance measurements. <i>Environmental Pollution</i> , 2019, 251, 830-838.	3.7	23
43	Source Apportionment of PM2.5 and of its Oxidative Potential in an Industrial Suburban Site in South Italy. <i>Atmosphere</i> , 2019, 10, 758.	1.0	36
44	Correlation of Oxidative Potential with Ecotoxicological and Cytotoxicological Potential of PM10 at an Urban Background Site in Italy. <i>Atmosphere</i> , 2019, 10, 733.	1.0	19
45	Characterization of the water soluble fraction in ultrafine, fine, and coarse atmospheric aerosol. <i>Science of the Total Environment</i> , 2019, 658, 1423-1439.	3.9	35
46	Photo-oxidation products of α -pinene in coarse, fine and ultrafine aerosol: A new high sensitive HPLC-MS/MS method. <i>Atmospheric Environment</i> , 2018, 180, 149-155.	1.9	22
47	Geology of the San Colombano hill, a Quaternary isolated tectonic relief in the Po Plain of Lombardy (Northern Italy). <i>Journal of Maps</i> , 2018, 14, 199-211.	1.0	11
48	Seasonal variability of carbonaceous aerosols in an urban background area in Southern Italy. <i>Atmospheric Research</i> , 2018, 200, 97-108.	1.8	39
49	Seasonal variability of PM2.5 and PM10 composition and sources in an urban background site in Southern Italy. <i>Science of the Total Environment</i> , 2018, 612, 202-213.	3.9	136
50	Characterisation of particle size distributions and corresponding size-segregated turbulent fluxes simultaneously with CO2 exchange in an urban area. <i>Science of the Total Environment</i> , 2018, 622-623, 1067-1078.	3.9	19
51	Characterization of In Situ Aerosol Optical Properties at Three Observatories in the Central Mediterranean. <i>Atmosphere</i> , 2018, 9, 369.	1.0	19
52	Carbonaceous Aerosols in the Atmosphere. <i>Atmosphere</i> , 2018, 9, 181.	1.0	55
53	Comparison of atmospheric particle concentration measurements using different optical detectors: Potentiality and limits for air quality applications. <i>Measurement: Journal of the International Measurement Confederation</i> , 2017, 106, 274-282.	2.5	50
54	A Case Study of the Performance of Different Detrending Methods in Turbulent-Flux Estimation. <i>Boundary-Layer Meteorology</i> , 2017, 164, 19-37.	1.2	17

#	ARTICLE	IF	CITATIONS
55	Influence of Saharan dust outbreaks and carbon content on oxidative potential of water-soluble fractions of PM _{2.5} and PM ₁₀ . <i>Atmospheric Environment</i> , 2017, 163, 1-8.	1.9	85
56	Atmospheric impact of ship traffic in four Adriatic-Ionian port-cities: Comparison and harmonization of different approaches. <i>Transportation Research, Part D: Transport and Environment</i> , 2017, 50, 431-445.	3.2	71
57	Inter-Comparison of Carbon Content in PM _{2.5} and PM ₁₀ Collected at Five Measurement Sites in Southern Italy. <i>Atmosphere</i> , 2017, 8, 243.	1.0	53
58	Investigation of reactive gases and methane variability in the coastal boundary layer of the central Mediterranean basin. <i>Elementa</i> , 2017, 5, .	1.1	17
59	Application of PMF and CMB receptor models for the evaluation of the contribution of a large coal-fired power plant to PM ₁₀ concentrations. <i>Science of the Total Environment</i> , 2016, 560-561, 131-140.	3.9	57
60	Inter-comparison of source apportionment of PM ₁₀ using PMF and CMB in three sites nearby an industrial area in central Italy. <i>Atmospheric Research</i> , 2016, 182, 282-293.	1.8	67
61	Impact of maritime traffic on polycyclic aromatic hydrocarbons, metals and particulate matter in Venice air. <i>Environmental Science and Pollution Research</i> , 2016, 23, 6951-6959.	2.7	49
62	An inter-comparison of PM ₁₀ source apportionment using PCA and PMF receptor models in three European sites. <i>Environmental Science and Pollution Research</i> , 2016, 23, 15133-15148.	2.7	65
63	Influence of in-port ships emissions to gaseous atmospheric pollutants and to particulate matter of different sizes in a Mediterranean harbour in Italy. <i>Atmospheric Environment</i> , 2016, 139, 1-10.	1.9	91
64	An inter-comparison of PM _{2.5} at urban and urban background sites: Chemical characterization and source apportionment. <i>Atmospheric Research</i> , 2016, 174-175, 106-119.	1.8	90
65	Case Study of Particle Number Fluxes and Size Distributions during Nucleation Events in Southeastern Italy in the Summer. <i>Atmosphere</i> , 2015, 6, 942-959.	1.0	12
66	A new methodology to assess the performance and uncertainty of source apportionment models II: The results of two European intercomparison exercises. <i>Atmospheric Environment</i> , 2015, 123, 240-250.	1.9	63
67	XPS surface chemical characterization of atmospheric particles of different sizes. <i>Atmospheric Environment</i> , 2015, 116, 146-154.	1.9	46
68	Inter-annual trend of the primary contribution of ship emissions to PM _{2.5} concentrations in Venice (Italy): Efficiency of emissions mitigation strategies. <i>Atmospheric Environment</i> , 2015, 102, 183-190.	1.9	60
69	Characterization of PM ₁₀ and PM _{2.5} and Their Metals Content in Different Typologies of Sites in South-Eastern Italy. <i>Atmosphere</i> , 2014, 5, 435-453.	1.0	62
70	Correlation of Dry Deposition Velocity and Friction Velocity over Different Surfaces for PM _{2.5} and Particle Number Concentrations. <i>Advances in Meteorology</i> , 2014, 2014, 1-12.	0.6	19
71	Atmospheric Deposition of Inorganic Elements and Organic Compounds at the Inlets of the Venice Lagoon. <i>Advances in Meteorology</i> , 2014, 2014, 1-10.	0.6	10
72	Contribution of harbour activities and ship traffic to PM _{2.5} , particle number concentrations and PAHs in a port city of the Mediterranean Sea (Italy). <i>Environmental Science and Pollution Research</i> , 2014, 21, 9415-9429.	2.7	82

#	ARTICLE	IF	CITATIONS
73	Source apportionment of size-segregated atmospheric particles based on the major water-soluble components in Lecce (Italy). <i>Science of the Total Environment</i> , 2014, 472, 248-261.	3.9	91
74	Spatial and seasonal variability of carbonaceous aerosol across Italy. <i>Atmospheric Environment</i> , 2014, 99, 587-598.	1.9	137
75	Statistical properties of concentration fluctuations in two merging plumes. <i>Environmental Fluid Mechanics</i> , 2014, 14, 919-942.	0.7	5
76	Source apportionment of PM 2.5 in the harbour industrial area of Brindisi (Italy): Identification and estimation of the contribution of in-port ship emissions. <i>Science of the Total Environment</i> , 2014, 497-498, 392-400.	3.9	140
77	Gas-particle distributions, sources and health effects of polycyclic aromatic hydrocarbons (PAHs), polychlorinated biphenyls (PCBs) and polychlorinated naphthalenes (PCNs) in Venice aerosols. <i>Science of the Total Environment</i> , 2014, 476-477, 393-405.	3.9	73
78	Combined stationarity index for the estimation of turbulent fluxes of scalars and particles in the atmospheric surface layer. <i>Agricultural and Forest Meteorology</i> , 2014, 194, 88-103.	1.9	19
79	Characterisation of PM2.5 concentrations and turbulent fluxes on a island of the Venice lagoon using high temporal resolution measurements. <i>Meteorologische Zeitschrift</i> , 2012, 21, 385-398.	0.5	15
80	Analysis of raw soils and their re-suspended PM10 fractions: Characterisation of source profiles and enrichment factors. <i>Applied Geochemistry</i> , 2012, 27, 1238-1246.	1.4	92
81	Aerosol size distribution at Nansen Ice Sheet Antarctica. <i>Atmospheric Research</i> , 2012, 107, 42-50.	1.8	16
82	Comparison of PM10 concentrations and metal content in three different sites of the Venice Lagoon: An analysis of possible aerosol sources. <i>Journal of Environmental Sciences</i> , 2012, 24, 1954-1965.	3.2	67
83	Diffusion Scaling in Event-Driven Random Walks: An Application to Turbulence. <i>Reports on Mathematical Physics</i> , 2012, 70, 205-220.	0.4	12
84	Scaling laws of diffusion and time intermittency generated by coherent structures in atmospheric turbulence. <i>Nonlinear Processes in Geophysics</i> , 2012, 19, 113-126.	0.6	14
85	Corrigendum to "Scaling laws of diffusion and time intermittency generated by coherent structures in atmospheric turbulence" published in <i>Nonlin. Processes Geophys.</i> , 19, 113-126, 2012. <i>Nonlinear Processes in Geophysics</i> , 2012, 19, 685-685.	0.6	4
86	Analysis of particles and carbon dioxide concentrations and fluxes in an urban area: Correlation with traffic rate and local micrometeorology. <i>Atmospheric Environment</i> , 2012, 46, 25-35.	1.9	46
87	Comparison of plume rise models against water tank experimental data for neutral and stable crossflows. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2011, 99, 539-553.	1.7	36
88	The direct influence of ship traffic on atmospheric PM2.5, PM10 and PAH in Venice. <i>Journal of Environmental Management</i> , 2011, 92, 2119-2129.	3.8	98
89	Deposition velocity of ultrafine particles measured with the Eddy Correlation Method over the Nansen Ice Sheet (Antarctica). <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	30
90	Characterisation and source apportionment of PM10 in an urban background site in Lecce. <i>Atmospheric Research</i> , 2010, 95, 40-54.	1.8	124

#	ARTICLE	IF	CITATIONS
91	Identification and characterisation of local aerosol sources using high temporal resolution measurements. <i>Journal of Environmental Monitoring</i> , 2010, 12, 1709.	2.1	7
92	Frontal brain activation during a working memory task: a time-domain fNIRS study. , 2009, , .		6
93	An evaluation of the PM2.5 trace elemental composition in the Venice Lagoon area and an analysis of the possible sources. <i>Atmospheric Environment</i> , 2009, 43, 6296-6304.	1.9	72
94	Effects of Reynolds number on stack plume trajectories simulated with small scale models in a wind tunnel. <i>Journal of Wind Engineering and Industrial Aerodynamics</i> , 2009, 97, 468-474.	1.7	13
95	Characterizing memory in atmospheric time series. <i>European Physical Journal: Special Topics</i> , 2009, 174, 207-218.	1.2	14
96	Organic micropollutants in wet and dry depositions in the Venice Lagoon. <i>Chemosphere</i> , 2009, 76, 1017-1022.	4.2	40
97	Aerosol fine fraction in the Venice Lagoon: Particle composition and sources. <i>Atmospheric Research</i> , 2009, 92, 141-150.	1.8	50
98	Comparison of indirect methods for the estimation of Boundary Layer height over flat-terrain in a coastal site. <i>Meteorologische Zeitschrift</i> , 2009, 18, 309-320.	0.5	10
99	Analysis of short-term closure of the surface energy balance above short vegetation. <i>Agricultural and Forest Meteorology</i> , 2008, 148, 82-93.	1.9	85
100	Boundary layer height estimation by sodar and sonic anemometer measurements. <i>IOP Conference Series: Earth and Environmental Science</i> , 2008, 1, 012034.	0.2	3
101	Performances of a modular PC-based Multi-Tone Sodar system in measuring vertical wind velocity. <i>Meteorologische Zeitschrift</i> , 2007, 16, 357-365.	0.5	8
102	PAHs and Trace Elements in PM2.5 at the Venice Lagoon. <i>Annali Di Chimica</i> , 2007, 97, 343-358.	0.6	11
103	Accuracy of Measurements of Turbulent Phenomena in the Surface Layer with an Ultrasonic Anemometer. <i>Journal of Atmospheric and Oceanic Technology</i> , 2006, 23, 785-801.	0.5	13
104	Real time measurements of PM2.5 concentrations and vertical turbulent fluxes using an optical detector. <i>Atmospheric Environment</i> , 2006, 40, 1346-1360.	1.9	41
105	Concentration field and turbulent fluxes during the mixing of two buoyant plumes. <i>Atmospheric Environment</i> , 2006, 40, 7842-7857.	1.9	20
106	Experiments on the rise and mixing in neutral crossflow of plumes from two identical sources for different wind directions. <i>Atmospheric Environment</i> , 2004, 38, 3573-3583.	1.9	21
107	Experiments on the rise and mixing in neutral crossflow of plumes from two identical sources for different wind directions. <i>Atmospheric Environment</i> , 2004, , .	1.9	0
108	Mean Vertical Motions in the PBL Measured by Doppler Sodar: Accuracy, Ambiguities, and Possible Improvements. <i>Journal of Atmospheric and Oceanic Technology</i> , 2004, 21, 1532-1544.	0.5	14

#	ARTICLE	IF	CITATIONS
109	Comparison between different dispersion models using wind-tunnel small-scale measurements. International Journal of Environment and Pollution, 2001, 16, 216.	0.2	3
110	A wind tunnel study of dense gas dispersion in a neutral boundary layer over a rough surface. Atmospheric Environment, 2001, 35, 2243-2252.	1.9	30
111	A wind tunnel study of dense gas dispersion in a stable boundary layer over a rough surface. Atmospheric Environment, 2001, 35, 2253-2263.	1.9	23
112	Water tank measurements of buoyant plume rise and structure in neutral crossflows. Atmospheric Environment, 2001, 35, 6105-6115.	1.9	35
113	Environmental Wind Tunnel Study on a Municipal Waste Incinerator. Environmental Monitoring and Assessment, 2000, 65, 191-199.	1.3	1
114	Measurements of Vortex Shedding and Wake Decay Downstream of a Turbine Inlet Guide Vane. Flow, Turbulence and Combustion, 2000, 64, 253-278.	1.4	4
115	Turbulent flow field measurements in a model gas turbine combustion chamber. International Journal of Thermal Sciences, 1998, 37, 843-852.	0.2	0
116	Monte Carlo procedure for investigating light propagation and imaging of highly scattering media. Applied Optics, 1998, 37, 7392.	2.1	88
117	<title>Imaging of absorbing inhomogeneities within highly diffusing media</title>., 1997, , .		0
118	Models for photon migration and optical properties of biological tissues. Physica Scripta, 1997, T72, 76-82.	1.2	0
119	Photon migration through a turbid slab described by a model based on diffusion approximation I Theory. Applied Optics, 1997, 36, 4587.	2.1	391
120	Photon migration through a turbid slab described by a model based on diffusion approximation II Comparison with Monte Carlo results. Applied Optics, 1997, 36, 4600.	2.1	82
121	Independence of the diffusion coefficient from absorption: experimental and numerical evidence. Optics Letters, 1997, 22, 853.	1.7	72
122	Imaging of highly turbid media by the absorption method. Applied Optics, 1996, 35, 2315.	2.1	25
123	<title>Detectability of inhomogeneities within highly diffusing media</title>., 1995, , .		4
124	Improvement of Solar and Wind forecasting in southern Italy through a multi-model approach: preliminary results. Advances in Science and Research, 0, 13, 69-73.	1.0	3