

Sandro Finardi

List of Publications by Year in descending order

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Version: 2024-02-01

50
papers

1,741
citations

304602

22
h-index

289141

40
g-index

56
all docs

56
docs citations

56
times ranked

2146
citing authors

#	ARTICLE	IF	CITATIONS
1	A nationwide study of air pollution from particulate matter and daily hospitalizations for respiratory diseases in Italy. <i>Science of the Total Environment</i> , 2022, 807, 151034.	3.9	24
2	Advances in air quality research – current and emerging challenges. <i>Atmospheric Chemistry and Physics</i> , 2022, 22, 4615-4703.	1.9	63
3	Assessment of Air Quality and Meteorological Changes Induced by Future Vegetation in Madrid. <i>Forests</i> , 2022, 13, 690.	0.9	5
4	Impact of different exposure models and spatial resolution on the long-term effects of air pollution. <i>Environmental Research</i> , 2021, 192, 110351.	3.7	17
5	Spatial-temporal prediction of ambient nitrogen dioxide and ozone levels over Italy using a Random Forest model for population exposure assessment. <i>Air Quality, Atmosphere and Health</i> , 2021, 14, 817-829.	1.5	15
6	Association between extreme ambient temperatures and general indistinct and work-related road crashes. A nationwide study in Italy. <i>Accident Analysis and Prevention</i> , 2021, 155, 106110.	3.0	15
7	A wide-ranging investigation of the COVID-19 lockdown effects on the atmospheric composition in various Italian urban sites (AER – LOCUS). <i>Urban Climate</i> , 2021, 39, 100954.	2.4	18
8	A microscale hybrid modelling system to assess the air quality over a large portion of a large European city. <i>Atmospheric Environment</i> , 2021, 264, 118656.	1.9	7
9	A global observational analysis to understand changes in air quality during exceptionally low anthropogenic emission conditions. <i>Environment International</i> , 2021, 157, 106818.	4.8	126
10	A multi-city air pollution population exposure study: Combined use of chemical-transport and random-Forest models with dynamic population data. <i>Science of the Total Environment</i> , 2020, 724, 138102.	3.9	45
11	Surface and Aerodynamic Parameters Estimation for Urban and Rural Areas. <i>Atmosphere</i> , 2020, 11, 147.	1.0	5
12	Locating and quantifying multiple landfills methane emissions using aircraft data. <i>Environmental Pollution</i> , 2019, 254, 112987.	3.7	10
13	EURODELTA III exercise: An evaluation of air quality models' capacity to reproduce the carbonaceous aerosol. <i>Atmospheric Environment: X</i> , 2019, 2, 100018.	0.8	11
14	Atmospheric Dynamics and Ozone Cycle during Sea Breeze in a Mediterranean Complex Urbanized Coastal Site. <i>Journal of Applied Meteorology and Climatology</i> , 2018, 57, 1083-1099.	0.6	18
15	Performance Analysis of Planetary Boundary Layer Parameterization Schemes in WRF Modeling Set Up over Southern Italy. <i>Atmosphere</i> , 2018, 9, 272.	1.0	35
16	Forecasting PM10 hourly concentrations in northern Italy: Insights on models performance and PM10 drivers through self-organizing maps. <i>Atmospheric Pollution Research</i> , 2018, 9, 1204-1213.	1.8	24
17	Composition and emission of VOC from biogas produced by illegally managed waste landfills in Giugliano (Campania, Italy) and potential impact on the local population. <i>Science of the Total Environment</i> , 2018, 640-641, 377-386.	3.9	37
18	Seasonal variation of PAHs concentration and source attribution through diagnostic ratios analysis. <i>Urban Climate</i> , 2017, 22, 19-34.	2.4	35

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19	Impact of Grid Resolution on Aerosol Predictions: A Case Study over Italy. <i>Aerosol and Air Quality Research</i> , 2016, 16, 1253-1267.	0.9	31
20	Presentation of the EURODELTA III intercomparison exercise – evaluation of the chemistry transport models' performance on criteria pollutants and joint analysis with meteorology. <i>Atmospheric Chemistry and Physics</i> , 2016, 16, 12667-12701.	1.9	109
21	Application of bias adjustment techniques to improve air quality forecasts. <i>Atmospheric Pollution Research</i> , 2015, 6, 928-938.	1.8	23
22	Air pollution dispersion models validation dataset from complex terrain in ÅoÅıtanj. <i>International Journal of Environment and Pollution</i> , 2015, 57, 227.	0.2	7
23	Operational background air pollution prediction over Slovenia by QualeAria modelling system - validation. <i>International Journal of Environment and Pollution</i> , 2014, 54, 175.	0.2	3
24	Analysis of pollutants exchange between the Po Valley and the surrounding European region. <i>Urban Climate</i> , 2014, 10, 682-702.	2.4	25
25	Assessment of the AMS-MINNI system capabilities to simulate air quality over Italy for the calendar year 2005. <i>Atmospheric Environment</i> , 2014, 84, 178-188.	1.9	56
26	PAHs Modelling over Urban Area of Rome: Integration of Models Results with Experimental Data. <i>Springer Proceedings in Complexity</i> , 2014, , 349-354.	0.2	1
27	A review of operational, regional-scale, chemical weather forecasting models in Europe. <i>Atmospheric Chemistry and Physics</i> , 2012, 12, 1-87.	1.9	265
28	Meteorological and air quality forecasting using the WRF –STEM model during the 2008 ARCTAS field campaign. <i>Atmospheric Environment</i> , 2011, 45, 6901-6910.	1.9	14
29	Discrepancies Between Top-Down and Bottom-Up Emission Inventories of Megacities: The Causes and Relevance for Modeling Concentrations and Exposure. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2011, , 199-204.	0.1	11
30	Modeling Air Quality over Italy with MINNI Atmospheric Modeling System: From Regional to Local Scale. <i>NATO Science for Peace and Security Series C: Environmental Security</i> , 2011, , 491-498.	0.1	3
31	Simulations of the dispersion from a waste incinerator in the Turin area in three different meteorological scenarios. <i>International Journal of Environment and Pollution</i> , 2010, 40, 10.	0.2	3
32	Quantification of Saharan dust contribution to PM10 concentrations over Italy during 2003 –2005. <i>Atmospheric Environment</i> , 2010, 44, 4181-4190.	1.9	52
33	Off-Line Model Integration: EU Practices, Interfaces, Possible Strategies for Harmonisation. , 2010, , 97-108.		1
34	MEGAPOLI: concept of multi-scale modelling of megacity impact on air quality and climate. <i>Advances in Science and Research</i> , 2010, 4, 115-120.	1.0	62
35	Long-Term Air Quality Assessment: Modeling Sources Contribution and Scenarios In Ivrea And Torino Areas. <i>Environmental Modeling and Assessment</i> , 2008, 13, 329-335.	1.2	9
36	A deterministic air quality forecasting system for Torino urban area, Italy. <i>Environmental Modelling and Software</i> , 2008, 23, 344-355.	1.9	45

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37	Integrated systems for forecasting urban meteorology, air pollution and population exposure. Atmospheric Chemistry and Physics, 2007, 7, 855-874.	1.9	126
38	A gas/aerosol air pollutants study over the urban area of Rome using a comprehensive chemical transport model. Atmospheric Environment, 2007, 41, 7286-7303.	1.9	76
39	Limitations of Air Pollution Episodes Forecast due to Boundary-Layer Parameterisations Implemented in Mesoscale Meteorological Models. , 2007, , 641-650.		1
40	Air quality integrated modelling in Turin urban area. Environmental Modelling and Software, 2006, 21, 468-476.	1.9	30
41	Analysis and evaluation of selected local-scale PM air pollution episodes in four European cities: Helsinki, London, Milan and Oslo. Atmospheric Environment, 2005, 39, 2759-2773.	1.9	144
42	Integrated assessment of traffic impact in an Alpine region. Science of the Total Environment, 2004, 334-335, 465-471.	3.9	8
43	Potential and Shortcomings of Numerical Weather Prediction Models in Providing Meteorological Data for Urban Air Pollution Forecasting. , 2002, , 43-60.		2
44	Evaluation of a 3-D flow and pollutant dispersion modelling system to estimate climatological groundlevel concentrations in complex coastal sites. International Journal of Environment and Pollution, 2001, 16, 472.	0.2	11
45	Application of a Photochemical Model in Alpine Forest Sites. Water, Air, and Soil Pollution, 2001, 132, 233-249.	1.1	1
46	TRANSALP 1989 experimental campaign-I. Simulation of 3D flow with diagnostic wind field models. Atmospheric Environment, 1998, 32, 1141-1156.	1.9	37
47	Evaluation of different wind field modeling techniques for wind energy applications over complex topography. Journal of Wind Engineering and Industrial Aerodynamics, 1998, 74-76, 283-294.	1.7	19
48	An assessment of mixing-length closure schemes for models of turbulent boundary layers over complex terrain. Boundary-Layer Meteorology, 1995, 73, 343-356.	1.2	7
49	Boundary-layer flow over analytical two-dimensional hills: A systematic comparison of different models with wind tunnel data. Boundary-Layer Meteorology, 1993, 63, 259-291.	1.2	41
50	ICARO: a package for wind field studies over complex terrain. Environmental Software, 1992, 7, 241-254.	0.3	3