Sandro Finardi

List of Publications by Year
in descending order

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 review of operational, regional-scale, chemical weather forecasting models in Europe. Atmospheric Chemistry and Physics, 2012, 12, 1-87.	1.9	265
2	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
3	Integrated systems for forecasting urban meteorology, air pollution and population exposure. Atmospheric Chemistry and Physics, 2007, 7, 855-874.	1.9	126
4	A global observational analysis to understand changes in air quality during exceptionally low anthropogenic emission conditions. Environment International, 2021, 157, 106818.	4.8	126
5	Presentation of the EURODELTA III intercomparison exercise â€" evaluation of the chemistry transport models' performance on criteria pollutants and joint analysis with meteorology. Atmospheric Chemistry and Physics, 2016, 16, 12667-12701.	1.9	109
6	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
7	Advances in air quality research â€" current and emerging challenges. Atmospheric Chemistry and Physics, 2022, 22, 4615-4703.	1.9	63
8	MEGAPOLI: concept of multi-scale modelling of megacity impact on air quality and climate. Advances in Science and Research, 2010, 4, 115-120.	1.0	62
9	Assessment of the AMS-MINNI system capabilities to simulate air quality over Italy for the calendar year 2005. Atmospheric Environment, 2014, 84, 178-188.	1.9	56
10	Quantification of Saharan dust contribution to PM10 concentrations over Italy during 2003â€"2005. Atmospheric Environment, 2010, 44, 4181-4190.	1.9	52
11	A deterministic air quality forecasting system for Torino urban area, Italy. Environmental Modelling and Software, 2008, 23, 344-355.	1.9	45
12	A multi-city air pollution population exposure study: Combined use of chemical-transport and random-Forest models with dynamic population data. Science of the Total Environment, 2020, 724, 138102.	3.9	45
13	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
14	TRANSALP 1989 experimental campaign-I. Simulation of 3D flow with diagnostic wind field models. Atmospheric Environment, 1998, 32, 1141-1156.	1.9	37
15	Composition and emission of VOC from biogas produced by illegally managed waste landfills in Giugliano (Campania, Italy) and potential impact on the local population. Science of the Total Environment, 2018, 640-641, 377-386.	3.9	37
16	Seasonal variation of PAHs concentration and source attribution through diagnostic ratios analysis. Urban Climate, 2017, 22, 19-34.	2.4	35
17	Performance Analysis of Planetary Boundary Layer Parameterization Schemes in WRF Modeling Set Up over Southern Italy. Atmosphere, 2018, 9, 272.	1.0	35
18	Impact of Grid Resolution on Aerosol Predictions: A Case Study over Italy. Aerosol and Air Quality Research, 2016, 16, 1253-1267.	0.9	31

#	ARTICLE	IF	CITATIONS
19	Air quality integrated modelling in Turin urban area. Environmental Modelling and Software, 2006, 21, 468-476.	1.9	30
20	Analysis of pollutants exchange between the Po Valley and the surrounding European region. Urban Climate, 2014, 10, 682-702.	2.4	25
21	Forecasting PM10 hourly concentrations in northern Italy: Insights on models performance and PM10 drivers through self-organizing maps. Atmospheric Pollution Research, 2018, 9, 1204-1213.	1.8	24
22	A nationwide study of air pollution from particulate matter and daily hospitalizations for respiratory diseases in Italy. Science of the Total Environment, 2022, 807, 151034.	3.9	24
23	Application of bias adjustment techniques to improve air quality forecasts. Atmospheric Pollution Research, 2015, 6, 928-938.	1.8	23
24	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
25	Atmospheric Dynamics and Ozone Cycle during Sea Breeze in a Mediterranean Complex Urbanized Coastal Site. Journal of Applied Meteorology and Climatology, 2018, 57, 1083-1099.	0.6	18
26	A wide-ranging investigation of the COVID-19 lockdown effects on the atmospheric composition in various Italian urban sites (AER â€" LOCUS). Urban Climate, 2021, 39, 100954.	2.4	18
27	Impact of different exposure models and spatial resolution on the long-term effects of air pollution. Environmental Research, 2021, 192, 110351.	3.7	17
28	Spatial-temporal prediction of ambient nitrogen dioxide and ozone levels over Italy using a Random Forest model for population exposure assessment. Air Quality, Atmosphere and Health, 2021, 14, 817-829.	1.5	15
29	Association between extreme ambient temperatures and general indistinct and work-related road crashes. A nationwide study in Italy. Accident Analysis and Prevention, 2021, 155, 106110.	3.0	15
30	Meteorological and air quality forecasting using the WRFâ€"STEM model during the 2008 ARCTAS field campaign. Atmospheric Environment, 2011, 45, 6901-6910.	1.9	14
31	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
32	EURODELTA III exercise: An evaluation of air quality modelsâ€™ capacity to reproduce the carbonaceous aerosol. Atmospheric Environment: X, 2019, 2, 100018.	0.8	11
33	Discrepancies Between Top-Down and Bottom-Up Emission Inventories of Megacities: The Causes and Relevance for Modeling Concentrations and Exposure. NATO Science for Peace and Security Series C: Environmental Security, 2011, , 199-204.	0.1	11
34	Locating and quantifying multiple landfills methane emissions using aircraft data. Environmental Pollution, 2019, 254, 112987.	3.7	10
35	Long-Term Air Quality Assessment: Modeling Sources Contribution and Scenarios In Ivrea And Torino Areas. Environmental Modeling and Assessment, 2008, 13, 329-335.	1.2	9
36	Integrated assessment of traffic impact in an Alpine region. Science of the Total Environment, 2004, 334-335, 465-471.	3.9	8

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37	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
38	Air pollution dispersion models validation dataset from complex terrain in ÅoÅ¡tanj. International Journal of Environment and Pollution, 2015, 57, 227.	0.2	7
39	A microscale hybrid modelling system to assess the air quality over a large portion of a large European city. Atmospheric Environment, 2021, 264, 118656.	1.9	7
40	Surface and Aerodynamic Parameters Estimation for Urban and Rural Areas. Atmosphere, 2020, 11, 147.	1.0	5
41	Assessment of Air Quality and Meteorological Changes Induced by Future Vegetation in Madrid. Forests, 2022, 13, 690.	0.9	5
42	ICARO: a package for wind field studies over complex terrain. Environmental Software, 1992, 7, 241-254.	0.3	3
43	Simulations of the dispersion from a waste incinerator in the Turin area in three different meteorological scenarios. International Journal of Environment and Pollution, 2010, 40, 10.	0.2	3
44	Operational background air pollution prediction over Slovenia by QualeAria modelling system - validation. International Journal of Environment and Pollution, 2014, 54, 175.	0.2	3
45	Modeling Air Quality over Italy with MINNI Atmospheric Modeling System: From Regional to Local Scale. NATO Science for Peace and Security Series C: Environmental Security, 2011, , 491-498.	0.1	3
46	Potential and Shortcomings of Numerical Weather Prediction Models in Providing Meteorological Data for Urban Air Pollution Forecasting. , 2002, , 43-60.		2
47	Application of a Photochemical Model in Alpine Forest Sites. Water, Air, and Soil Pollution, 2001, 132, 233-249.	1.1	1
48	PAHs Modelling over Urban Area of Rome: Integration of Models Results with Experimental Data. Springer Proceedings in Complexity, 2014, , 349-354.	0.2	1
49	Off-Line Model Integration: EU Practices, Interfaces, Possible Strategies for Harmonisation. , 2010, , 97-108.		1
50	Limitations of Air Pollution Episodes Forecast due to Boundary-Layer Parameterisations Implemented in Mesoscale Meteorological Models. , 2007, , 641-650.		1