# Marco Pandolfi

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/5981396/publications.pdf

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|---|---|---|---|
| 94 papers | 6,917 citations | 50170 46 h-index | 62479 80 g-index |
| 102 all docs | 102 docs citations | 102 times ranked | 6382 citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Overview: On the transport and transformation of pollutants in the outflow of major population centres â€“ observational data from the EMeRGe European intensive operational period in summer 2017. Atmospheric Chemistry and Physics, 2022, 22, 5877-5924. | 1.9 | 16 |
| 2 | Absorption enhancement of black carbon particles in a Mediterranean city and countryside: effect of particulate matter chemistry, ageing and trend analysis. Atmospheric Chemistry and Physics, 2022, 22, 8439-8456. | 1.9 | 10 |
| 3 | Applicability of benchtop multi-wavelength polar photometers to off-line measurements of the Multi-Angle Absorption Photometer (MAAP) samples. Journal of Aerosol Science, 2021, 152, 105701. | 1.8 | 5 |
| 4 | Aircraft vertical profiles during summertime regional and Saharan dust scenarios over the north-western Mediterranean basin: aerosol optical and physical properties. Atmospheric Chemistry and Physics, 2021, 21, 431-455. | 1.9 | 7 |
| 5 | Changes in black carbon emissions over Europe due to COVID-19 lockdowns. Atmospheric Chemistry and Physics, 2021, 21, 2675-2692. | 1.9 | 40 |
| 6 | Determination of the multiple-scattering correction factor and its cross-sensitivity to scattering and wavelength dependence for different AE33 Aethalometer filter tapes: a multi-instrumental approach. Atmospheric Measurement Techniques, 2021, 14, 6335-6355. | 1.2 | 31 |
| 7 | Compositional changes of PM2.5 in NE Spain during 2009â€“2018: A trend analysis of the chemical composition and source apportionment. Science of the Total Environment, 2021, 795, 148728. | 3.9 | 18 |
| 8 | Seasonality of the particle number concentration and size distribution: a global analysis retrieved from the network of Global Atmosphere Watch (GAW) near-surface observatories. Atmospheric Chemistry and Physics, 2021, 21, 17185-17223. | 1.9 | 31 |
| 9 | Impact of mixing layer height variations on air pollutant concentrations and health in a European urban area: Madrid (Spain), a case study. Environmental Science and Pollution Research, 2020, 27, 41702-41716. | 2.7 | 8 |
| 10 | Long-range and local air pollution: what can we learn from chemical speciation of particulate matter at paired sites?. Atmospheric Chemistry and Physics, 2020, 20, 409-429. | 1.9 | 24 |
| 11 | Multidecadal trend analysis of in situ aerosol radiative properties around the world. Atmospheric Chemistry and Physics, 2020, 20, 8867-8908. | 1.9 | 58 |
| 12 | A global analysis of climate-relevant aerosol properties retrieved from the network of Global Atmosphere Watch (GAW) near-surface observatories. Atmospheric Measurement Techniques, 2020, 13, 4353-4392. | 1.2 | 65 |
| 13 | Aerosol Intensive Optical Properties in the NMMB-MONARCH. Springer Proceedings in Complexity, 2020, , 413-419. | 0.2 | 0 |
| 14 | African dust and air quality over Spain: Is it only dust that matters?. Science of the Total Environment, 2019, 686, 737-752. | 3.9 | 65 |
| 15 | Retrieval of aerosol properties from ceilometer and photometer measurements: long-term evaluation with in situ data and statistical analysis at Montsec (southern Pyrenees). Atmospheric Measurement Techniques, 2019, 12, 3255-3267. | 1.2 | 25 |
| 16 | Vertical and horizontal fall-off of black carbon and NO2 within urban blocks. Science of the Total Environment, 2019, 686, 236-245. | 3.9 | 18 |
| 17 | Synergistic effect of the occurrence of African dust outbreaks on atmospheric pollutant levels in the Madrid metropolitan area. Atmospheric Research, 2019, 226, 208-218. | 1.8 | 25 |
| 18 | Biomass burning and urban emission impacts in the Andes Cordillera region based on in situ measurements from the Chacaltaya observatory, Bolivia (5240â€‰mâ€‰a.s.l.). Atmospheric Chemistry and Physics, 2019, 19, 14805-14824. | 1.9 | 17 |

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| 19 | Overview of the NOAA/ESRL Federated Aerosol Network. Bulletin of the American Meteorological Society, 2019, 100, 123-135. | 1.7 | 36 |
| 20 | Impact of aerosol particle sources on optical properties in urban, regional and remote areas in the north-western Mediterranean. Atmospheric Chemistry and Physics, 2018, 18, 1149-1169. | 1.9 | 31 |
| 21 | AÂEuropean aerosol phenomenology â€“ 6: scattering properties of atmospheric aerosol particles from 28ÂACTRIS sites. Atmospheric Chemistry and Physics, 2018, 18, 7877-7911. | 1.9 | 76 |
| 22 | Identification of topographic features influencing aerosol observations at high altitude stations. Atmospheric Chemistry and Physics, 2018, 18, 12289-12313. | 1.9 | 31 |
| 23 | Spatio-temporal patterns of high summer ozone events in the Madrid Basin, Central Spain. Atmospheric Environment, 2018, 185, 207-220. | 1.9 | 17 |
| 24 | Spatiotemporal evolution of a severe winter dust event in the western Mediterranean: Aerosol optical and physical properties. Journal of Geophysical Research D: Atmospheres, 2017, 122, 4052-4069. | 1.2 | 38 |
| 25 | Outdoor and indoor particle characterization from a large and uncontrolled combustion of a tire landfill. Science of the Total Environment, 2017, 593-594, 543-551. | 3.9 | 25 |
| 26 | Impact of aerosol microphysical properties on mass scattering cross sections. Journal of Aerosol Science, 2017, 112, 68-82. | 1.8 | 10 |
| 27 | Near-real-time processing of a ceilometer network assisted with sun-photometer data: monitoring a dust outbreak over the Iberian Peninsula. Atmospheric Chemistry and Physics, 2017, 17, 11861-11876. | 1.9 | 57 |
| 28 | Phenomenology of high-ozone episodes in NE Spain. Atmospheric Chemistry and Physics, 2017, 17, 2817-2838. | 1.9 | 45 |
| 29 | A European aerosol phenomenology-5: Climatology of black carbon optical properties at 9 regional background sites across Europe. Atmospheric Environment, 2016, 145, 346-364. | 1.9 | 132 |
| 30 | Trends analysis of PM source contributions and chemical tracers in NE Spain during 2004â€“2014: a multi-exponential approach. Atmospheric Chemistry and Physics, 2016, 16, 11787-11805. | 1.9 | 48 |
| 31 | Detection of Saharan dust and biomass burning events using near-real-time intensive aerosol optical properties in the north-western Mediterranean. Atmospheric Chemistry and Physics, 2016, 16, 12567-12586. | 1.9 | 54 |
| 32 | An inter-comparison of PM10 source apportionment using PCA and PMF receptor models in three European sites. Environmental Science and Pollution Research, 2016, 23, 15133-15148. | 2.7 | 65 |
| 33 | Traffic induced particle resuspension in Paris: Emission factors and source contributions. Atmospheric Environment, 2016, 129, 114-124. | 1.9 | 96 |
| 34 | Spatiotemporally resolved black carbon concentration, schoolchildren's exposure and dose in <scp>B</scp> arcelona. Indoor Air, 2016, 26, 391-402. | 2.0 | 69 |
| 35 | A new methodology to assess the performance and uncertainty of source apportionment models II: The results of two European intercomparison exercises. Atmospheric Environment, 2015, 123, 240-250. | 1.9 | 63 |
| 36 | Outdoor infiltration and indoor contribution of UFP and BC, OC, secondary inorganic ions and metals in PM2.5 in schools. Atmospheric Environment, 2015, 106, 129-138. | 1.9 | 100 |

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|---|---|---|---|
| 37 | Trends of nitrogen oxides in ambient air in nine European cities between 1999 and 2010. Atmospheric Environment, 2015, 117, 234-241. | 1.9 | 48 |
| 38 | New particle formation at ground level and in the vertical column over the Barcelona area. Atmospheric Research, 2015, 164-165, 118-130. | 1.8 | 37 |
| 39 | Real-time indoor and outdoor measurements of black carbon at primary schools. Atmospheric Environment, 2015, 120, 417-426. | 1.9 | 26 |
| 40 | Urban air quality comparison for bus, tram, subway and pedestrian commutes in Barcelona. Environmental Research, 2015, 142, 495-510. | 3.7 | 136 |
| 41 | Arsenic species in atmospheric particulate matter as tracer of the air quality of DoÃ±ana Natural Park (SW Spain). Chemosphere, 2015, 119, 1296-1303. | 4.2 | 30 |
| 42 | Effect of atmospheric mixing layer depth variations on urban air quality and daily mortality during Saharan dust outbreaks. Science of the Total Environment, 2014, 494-495, 283-289. | 3.9 | 61 |
| 43 | Identification of fine (PM1) and coarse (PM10-1) sources of particulate matter in an urban environment. Atmospheric Environment, 2014, 89, 593-602. | 1.9 | 100 |
| 44 | 2001â€“2012 trends on air quality in Spain. Science of the Total Environment, 2014, 490, 957-969. | 3.9 | 123 |
| 45 | Child exposure to indoor and outdoor air pollutants in schools in Barcelona, Spain. Environment International, 2014, 69, 200-212. | 4.8 | 243 |
| 46 | Effects of sources and meteorology on particulate matter in the Western Mediterranean Basin: An overview of the DAURE campaign. Journal of Geophysical Research D: Atmospheres, 2014, 119, 4978-5010. | 1.2 | 49 |
| 47 | Trends of road dust emissions contributions on ambient air particulate levels at rural, urban and industrial sites in southern Spain. Atmospheric Chemistry and Physics, 2014, 14, 3533-3544. | 1.9 | 115 |
| 48 | Climatology of aerosol optical properties and black carbon mass absorption cross section at a remote high-altitude site in the western Mediterranean Basin. Atmospheric Chemistry and Physics, 2014, 14, 6443-6460. | 1.9 | 42 |
| 49 | Three years of aerosol mass, black carbon and particle number concentrations at Montsec (southern) Tj ETQq1 1 0.784314 rgBT /Ove | 1.9 | 40 |
| 50 | Ambient air SO2 patterns in 6 European cities. Atmospheric Environment, 2013, 79, 236-247. | 1.9 | 49 |
| 51 | Impact of traffic intensity and pavement aggregate size on road dust particles loading. Atmospheric Environment, 2013, 77, 711-717. | 1.9 | 41 |
| 52 | Short-term variability of mineral dust, metals and carbon emission from road dust resuspension. Atmospheric Environment, 2013, 74, 134-140. | 1.9 | 57 |
| 53 | Overview of the meteorology and transport patterns during the DAURE field campaign and their impact to PM observations. Atmospheric Environment, 2013, 77, 607-620. | 1.9 | 20 |
| 54 | Variability of carbonaceous aerosols in remote, rural, urban and industrial environments in Spain: implications for air quality policy. Atmospheric Chemistry and Physics, 2013, 13, 6185-6206. | 1.9 | 104 |

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| 55 | Presenting SAPUSS: Solving Aerosol Problem by Using Synergistic Strategies in Barcelona, Spain. Atmospheric Chemistry and Physics, 2013, 13, 8991-9019. | 1.9 | 27 |
| 56 | Continuous atmospheric boundary layer observations in the coastal urban area of Barcelona during SAPUSS. Atmospheric Chemistry and Physics, 2013, 13, 4983-4996. | 1.9 | 30 |
| 57 | Summer ammonia measurements in a densely populated Mediterranean city. Atmospheric Chemistry and Physics, 2012, 12, 7557-7575. | 1.9 | 72 |
| 58 | Effect of rain events on the mobility of road dust load in two Dutch and Spanish roads. Atmospheric Environment, 2012, 62, 352-358. | 1.9 | 61 |
| 59 | Spatio-temporal variability of concentrations and speciation of particulate matter across Spain in the CALIOPE modeling system. Atmospheric Environment, 2012, 46, 376-396. | 1.9 | 59 |
| 60 | Urban NH3 levels and sources in a Mediterranean environment. Atmospheric Environment, 2012, 57, 153-164. | 1.9 | 115 |
| 61 | Chemical characterisation and source apportionment of PM2.5 and PM10 at rural, urban and traffic sites in Navarra (North of Spain). Atmospheric Research, 2011, 102, 191-205. | 1.8 | 176 |
| 62 | Variability of aerosol optical properties in the Western Mediterranean Basin. Atmospheric Chemistry and Physics, 2011, 11, 8189-8203. | 1.9 | 92 |
| 63 | Size and time-resolved roadside enrichment of atmospheric particulate pollutants. Atmospheric Chemistry and Physics, 2011, 11, 2917-2931. | 1.9 | 104 |
| 64 | Variations in time and space of trace metal aerosol concentrations in urban areas and their surroundings. Atmospheric Chemistry and Physics, 2011, 11, 9415-9430. | 1.9 | 89 |
| 65 | Transport of desert dust mixed with North African industrial pollutants in the subtropical Saharan Air Layer. Atmospheric Chemistry and Physics, 2011, 11, 6663-6685. | 1.9 | 218 |
| 66 | Simple estimates of vehicle-induced resuspension rates. Journal of Environmental Management, 2011, 92, 2855-2859. | 3.8 | 13 |
| 67 | Sources and variability of inhalable road dust particles in three European cities. Atmospheric Environment, 2011, 45, 6777-6787. | 1.9 | 294 |
| 68 | Peculiarities in atmospheric particle number and size-resolved speciation in an urban area in the western Mediterranean: Results from the DAURE campaign. Atmospheric Environment, 2011, 45, 5282-5293. | 1.9 | 42 |
| 69 | Manganese in the urban atmosphere: identifying anomalous concentrations and sources. Environmental Science and Pollution Research, 2011, 18, 173-183. | 2.7 | 40 |
| 70 | Source apportionment of PM10 and PM2.5 at multiple sites in the strait of Gibraltar by PMF: impact of shipping emissions. Environmental Science and Pollution Research, 2011, 18, 260-269. | 2.7 | 238 |
| 71 | Effect of fireworks events on urban background trace metal aerosol concentrations: Is the cocktail worth the show?. Journal of Hazardous Materials, 2010, 183, 945-949. | 6.5 | 69 |
| 72 | A comprehensive assessment of PM emissions from paved roads: Real-world Emission Factors and intense street cleaning trials. Science of the Total Environment, 2010, 408, 4309-4318. | 3.9 | 92 |

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|---|---|---|---|
| 73 | Variations in vanadium, nickel and lanthanoid element concentrations in urban air. Science of the Total Environment, 2010, 408, 4569-4579. | 3.9 | 163 |
| 74 | Concentrations, sources and geochemistry of airborne particulate matter at a major European airport. Journal of Environmental Monitoring, 2010, 12, 854. | 2.1 | 49 |
| 75 | Spatial and chemical patterns of PM10 in road dust deposited in urban environment. Atmospheric Environment, 2009, 43, 1650-1659. | 1.9 | 387 |
| 76 | Quantifying road dust resuspension in urban environment by Multilinear Engine: A comparison with PMF2. Atmospheric Environment, 2009, 43, 2770-2780. | 1.9 | 492 |
| 77 | African dust contributions to mean ambient PM10 mass-levels across the Mediterranean Basin. Atmospheric Environment, 2009, 43, 4266-4277. | 1.9 | 375 |
| 78 | Evaluating urban PM10 pollution benefit induced by street cleaning activities. Atmospheric Environment, 2009, 43, 4472-4480. | 1.9 | 58 |
| 79 | Determination of direct and fugitive PM emissions in a Mediterranean harbour by means of classic and novel tracer methods. Journal of Environmental Management, 2009, 91, 133-141. | 3.8 | 20 |
| 80 | Geochemistry of regional background aerosols in the Western Mediterranean. Atmospheric Research, 2009, 94, 422-435. | 1.8 | 92 |
| 81 | Inter-comparison of receptor models for PM source apportionment: Case study in an industrial area. Atmospheric Environment, 2008, 42, 3820-3832. | 1.9 | 134 |
| 82 | Receptor models application to multi-year ambient PM10 measurements in an industrialized ceramic area: Comparison of source apportionment results. Atmospheric Environment, 2008, 42, 9007-9017. | 1.9 | 34 |
| 83 | Saharan dust intrusions in the Mediterranean area: Three years of Raman lidar measurements. Journal of Geophysical Research, 2006, 111, . | 3.3 | 192 |
| 84 | Transport of volcanic aerosol in the troposphere: The case study of the 2002 Etna plume. Journal of Geophysical Research, 2006, 111, . | 3.3 | 21 |
| 85 | Five years of lidar ratio measurements over Potenza, Italy. , 2006, 6367, 9. | | 0 |
| 86 | Lidar measurement campaign at CNR-IMAA in the framework of the EAQUATE Italian phase. , 2005, 5979, 410. | | 0 |
| 87 | CNR-IMAA lidar systems for aerosol, clouds, and water vapour study. , 2005, 5984, 87. | | 2 |
| 88 | The Italian phase of the EAQUATE measurement campaign. , 2005, , . | | 2 |
| 89 | Systematic measurements of the aerosol extinction-to-backscatter ratio. , 2005, 5653, 77. | | 3 |
| 90 | Systematic tropospheric aerosol lidar observations. , 2004, , . | | 1 |

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| 91 | Raman lidar observations of aerosol emitted during the 2002 Etna eruption. Geophysical Research Letters, 2004, 31, n/a-n/a. | 1.5 | 58 |
| 92 | Aerosol lidar intercomparison in the framework of the EARLINET project 3 Raman lidar algorithm for aerosol extinction, backscatter, and lidar ratio. Applied Optics, 2004, 43, 5370. | 2.1 | 208 |
| 93 | Measurement campaign of atmospheric water vapour and aerosols in southern Italy. , 2003, , . | | 3 |
| 94 | Development of a tunable IR lidar system. Optics and Lasers in Engineering, 2002, 37, 521-532. | 2.0 | 8 |