

# Joana Ferreira

## List of Publications by Year in descending order

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Version: 2024-02-01

71  
papers

1,850  
citations

279798

23  
h-index

289244

40  
g-index

75  
all docs

75  
docs citations

75  
times ranked

2258  
citing authors

| #  | ARTICLE                                                                                                                                                                                                                                           | IF   | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------|-----------|
| 1  | Operational model evaluation for particulate matter in Europe and North America in the context of AQMEII. Atmospheric Environment, 2012, 53, 75-92.                                                                                               | 4.1  | 214       |
| 2  | Model evaluation and ensemble modelling of surface-level ozone in Europe and North America in the context of AQMEII. Atmospheric Environment, 2012, 53, 60-74.                                                                                    | 4.1  | 192       |
| 3  | Integrating Health on Air Quality Assessment – Review Report on Health Risks of Two Major European Outdoor Air Pollutants: PM and NO <sub>2</sub> . Journal of Toxicology and Environmental Health - Part B: Critical Reviews, 2014, 17, 307-340. | 6.5  | 138       |
| 4  | Evaluation of the meteorological forcing used for the Air Quality Model Evaluation International Initiative (AQMEII) air quality simulations. Atmospheric Environment, 2012, 53, 15-37.                                                           | 4.1  | 111       |
| 5  | Procedures for estimation of modelling uncertainty in air quality assessment. Environment International, 2008, 34, 613-620.                                                                                                                       | 10.0 | 96        |
| 6  | Current air quality plans in Europe designed to support air quality management policies. Atmospheric Pollution Research, 2015, 6, 434-443.                                                                                                        | 3.8  | 77        |
| 7  | Traffic-related particulate air pollution exposure in urban areas. Atmospheric Environment, 2006, 40, 7205-7214.                                                                                                                                  | 4.1  | 59        |
| 8  | Long-term assessment of particulate matter using CHIMERE model. Atmospheric Environment, 2007, 41, 7726-7738.                                                                                                                                     | 4.1  | 48        |
| 9  | Shipping emissions over Europe: A state-of-the-art and comparative analysis. Atmospheric Environment, 2018, 177, 187-194.                                                                                                                         | 4.1  | 48        |
| 10 | Smoke measurements during Gestosa-2002 experimental field fires. International Journal of Wildland Fire, 2005, 14, 107.                                                                                                                           | 2.4  | 48        |
| 11 | Determination of background concentrations for air quality models using spectral analysis and filtering of monitoring data. Atmospheric Environment, 2010, 44, 106-114.                                                                           | 4.1  | 47        |
| 12 | Evaluating strategies to reduce urban air pollution. Atmospheric Environment, 2016, 127, 196-204.                                                                                                                                                 | 4.1  | 44        |
| 13 | Evaluation of receptor and chemical transport models for PM10 source apportionment. Atmospheric Environment: X, 2020, 5, 100053.                                                                                                                  | 1.4  | 41        |
| 14 | Air pollution: A public health approach for Portugal. Science of the Total Environment, 2018, 643, 1041-1053.                                                                                                                                     | 8.0  | 39        |
| 15 | Climate change and pollutant emissions impacts on air quality in 2050 over Portugal. Atmospheric Environment, 2016, 131, 209-224.                                                                                                                 | 4.1  | 37        |
| 16 | Seasonal patterns of Saharan dust over Cape Verde – a combined approach using observations and modelling. Tellus, Series B: Chemical and Physical Meteorology, 2015, 67, 24410.                                                                   | 1.6  | 37        |
| 17 | A comparative analysis of two highly spatially resolved European atmospheric emission inventories. Atmospheric Environment, 2013, 75, 43-57.                                                                                                      | 4.1  | 36        |
| 18 | Short and medium- to long-term impacts of nature-based solutions on urban heat. Sustainable Cities and Society, 2020, 57, 102122.                                                                                                                 | 10.4 | 36        |

| #  | ARTICLE                                                                                                                                                                                                   | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 19 | A cost-efficiency and health benefit approach to improve urban air quality. <i>Science of the Total Environment</i> , 2016, 569-570, 342-351.                                                             | 8.0 | 35        |
| 20 | Assessment of health benefits related to air quality improvement strategies in urban areas: An Impact Pathway Approach. <i>Journal of Environmental Management</i> , 2016, 183, 694-702.                  | 7.8 | 33        |
| 21 | Bias Correction Techniques to Improve Air Quality Ensemble Predictions: Focus on O3 and PM Over Portugal. <i>Environmental Modeling and Assessment</i> , 2013, 18, 533-546.                               | 2.2 | 27        |
| 22 | Forecasting human exposure to atmospheric pollutants in Portugal – A modelling approach. <i>Atmospheric Environment</i> , 2009, 43, 5796-5806.                                                            | 4.1 | 25        |
| 23 | How changing climate may influence air pollution control strategies for 2030?. <i>Science of the Total Environment</i> , 2021, 758, 143911.                                                               | 8.0 | 25        |
| 24 | Isoprene emissions modelling for West Africa: MEGAN model evaluation and sensitivity analysis. <i>Atmospheric Chemistry and Physics</i> , 2010, 10, 8453-8467.                                            | 4.9 | 22        |
| 25 | Air quality over Portugal in 2020. <i>Atmospheric Pollution Research</i> , 2015, 6, 788-796.                                                                                                              | 3.8 | 21        |
| 26 | Air quality plan for ozone: an urgent need for North Portugal. <i>Air Quality, Atmosphere and Health</i> , 2016, 9, 447-460.                                                                              | 3.3 | 21        |
| 27 | EMISSION MODELLING OF HAZARDOUS AIR POLLUTANTS FROM ROAD TRANSPORT AT URBAN SCALE. <i>Transport</i> , 2012, 27, 299-306.                                                                                  | 1.2 | 20        |
| 28 | Modelling air quality levels of regulated metals: limitations and challenges. <i>Environmental Science and Pollution Research</i> , 2020, 27, 33916-33928.                                                | 5.3 | 20        |
| 29 | Air quality assessment of Estarreja, an urban industrialized area, in a coastal region of Portugal. <i>Environmental Monitoring and Assessment</i> , 2013, 185, 5847-5860.                                | 2.7 | 18        |
| 30 | Ammonia agriculture emissions: From EMEP to a high resolution inventory. <i>Atmospheric Pollution Research</i> , 2016, 7, 786-798.                                                                        | 3.8 | 16        |
| 31 | Analysis of spatial factors, time-activity and infiltration on outdoor generated PM2.5 exposures of school children in five European cities. <i>Science of the Total Environment</i> , 2021, 785, 147111. | 8.0 | 16        |
| 32 | Air quality simulations for North America - MM5 – CAMx modelling performance for main gaseous pollutants. <i>Atmospheric Environment</i> , 2012, 53, 212-224.                                             | 4.1 | 14        |
| 33 | Impacts of nature-based solutions on the urban atmospheric environment: a case study for Eindhoven, The Netherlands. <i>Urban Forestry and Urban Greening</i> , 2021, 57, 126870.                         | 5.3 | 14        |
| 34 | Air quality management in Portugal: example of needs and available tools. <i>Environmental Pollution</i> , 2002, 120, 115-123.                                                                            | 7.5 | 13        |
| 35 | Emissions from residential combustion sector: how to build a high spatially resolved inventory. <i>Air Quality, Atmosphere and Health</i> , 2018, 11, 259-270.                                            | 3.3 | 12        |
| 36 | Modelling the photochemical pollution over the metropolitan area of Porto Alegre, Brazil. <i>Atmospheric Environment</i> , 2010, 44, 370-380.                                                             | 4.1 | 11        |

| #  | ARTICLE                                                                                                                                                                                                                                             | IF  | CITATIONS |
|----|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 37 | Ensemble Techniques to Improve Air Quality Assessment: Focus on O3 and PM. Environmental Modeling and Assessment, 2013, 18, 249-257.                                                                                                                | 2.2 | 11        |
| 38 | Individual Exposure to Air Pollutants in a Portuguese Urban Industrialized Area. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2014, 77, 888-899.                                                                        | 2.3 | 11        |
| 39 | Development of current and future pollutant emissions for Portugal. Atmospheric Pollution Research, 2015, 6, 849-857.                                                                                                                               | 3.8 | 11        |
| 40 | The role of transboundary air pollution over Galicia and North Portugal area. Environmental Science and Pollution Research, 2013, 20, 2924-2936.                                                                                                    | 5.3 | 9         |
| 41 | Analysis of long-range transport of aerosols for Portugal using 3D chemical transport model and satellite measurements. Atmospheric Environment, 2013, 64, 229-241.                                                                                 | 4.1 | 8         |
| 42 | Weather research and forecasting model simulations over the Pearl River Delta Region. Air Quality, Atmosphere and Health, 2019, 12, 115-125.                                                                                                        | 3.3 | 8         |
| 43 | Atmospheric baseline levels of PCDD and PCDF in the region of Oporto. Chemosphere, 2001, 43, 497-500.                                                                                                                                               | 8.2 | 7         |
| 44 | The challenges of air quality modelling when crossing multiple spatial scales. Air Quality, Atmosphere and Health, 2019, 12, 1003-1017.                                                                                                             | 3.3 | 7         |
| 45 | Emission Inventories and Particulate Matter Air Quality Modeling over the Pearl River Delta Region. International Journal of Environmental Research and Public Health, 2021, 18, 4155.                                                              | 2.6 | 7         |
| 46 | Scenario analysis of strategies to control air pollution. Urban Climate, 2022, 44, 101201.                                                                                                                                                          | 5.7 | 7         |
| 47 | National emission ceilings in Portugal – trends, compliance and projections. Air Quality, Atmosphere and Health, 2017, 10, 1089-1096.                                                                                                               | 3.3 | 6         |
| 48 | Air Quality Modelling Application to Evaluate Effects of PM Air Concentrations on Urban Population Exposure.. Epidemiology, 2006, 17, S252-S253.                                                                                                    | 2.7 | 5         |
| 49 | PM10 exposure interacts with abdominal obesity to increase blood triglycerides: a cross-sectional linkage study. European Journal of Public Health, 2022, 32, 281-288.                                                                              | 0.3 | 5         |
| 50 | The role of ammonia on particulate matter pollution over Portugal. International Journal of Environment and Pollution, 2015, 57, 215.                                                                                                               | 0.2 | 4         |
| 51 | The role of PM10 in air quality and exposure in urban areas. , 2008, , .                                                                                                                                                                            |     | 4         |
| 52 | Comparisons of aerosol optical depth provided by seviri satellite observations and CAMx air quality modelling. International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences - ISPRS Archives, 0, XL-7/W3, 187-193. | 0.2 | 4         |
| 53 | Spatial analysis of aerosol optical depth obtained by air quality modelling and SEVIRI satellite observations over Portugal. Atmospheric Pollution Research, 2019, 10, 234-243.                                                                     | 3.8 | 3         |
| 54 | USING AIR QUALITY MODELLING AND EMISSION PROJECTIONS AS A SUPPORT TO THE FIRST AIR POLLUTION CONTROL PROGRAM UNDER NEC DIRECTIVE TARGETS FOR 2030. , 2019, , .                                                                                      |     | 3         |

| #  | ARTICLE                                                                                                                                                                                                                               | IF  | CITATIONS |
|----|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|-----------|
| 55 | Chemical Mechanisms in two Photochemical Modelling Systems: A Comparison Procedure. , 2004, , 87-96.                                                                                                                                  |     | 3         |
| 56 | Combined Effect of High-Resolution Land Cover and Grid Resolution on Surface NO2 Concentrations. Climate, 2022, 10, 19.                                                                                                               | 2.8 | 3         |
| 57 | Comparison of European National Legislation Efficiency on the Reduction of Air Pollutant Emissions. Journal of the Air and Waste Management Association, 2006, 56, 317-321.                                                           | 1.9 | 2         |
| 58 | ASSESSMENT OF SOURCE CONTRIBUTIONS TO THE URBAN AIR QUALITY FOR THE BRISTOL CLAIRCITY PILOT CASE. WIT Transactions on Ecology and the Environment, 2019, , .                                                                          | 0.0 | 2         |
| 59 | IDENTIFICATION AND ANALYSIS OF SOURCE CONTRIBUTIONS TO THE AIR QUALITY IN THE AMSTERDAM REGION. WIT Transactions on Ecology and the Environment, 2017, , .                                                                            | 0.0 | 2         |
| 60 | Exposure to ambient particulate matter increases blood count parameters with potential to mediate a cardiovascular event: results from a population-based study in Portugal. Air Quality, Atmosphere and Health, 2021, 14, 1189-1202. | 3.3 | 1         |
| 61 | Air Quality Modelling to Support Decision-Making: Scenario and Optimization Approaches. Springer Proceedings in Complexity, 2016, , 161-165.                                                                                          | 0.3 | 1         |
| 62 | URBAN MOBILITY STRATEGIES TO IMPROVE LOCAL AIR QUALITY: CASE STUDY OF LISBON, PORTUGAL. WIT Transactions on Ecology and the Environment, 2019, , .                                                                                    | 0.0 | 1         |
| 63 | A contribution to air quality management in urban industrialized areas. , 2012, , .                                                                                                                                                   |     | 1         |
| 64 | Chapter 5.6 Long-term aerosol simulation for Portugal using the CHIMERE model. Developments in Environmental Science, 2007, , 534-547.                                                                                                | 0.5 | 0         |
| 65 | Particulate Matter and Exposure Modelling in Europe. Handbook of Environmental Chemistry, 2012, , 259-273.                                                                                                                            | 0.4 | 0         |
| 66 | Evaluation of Two Mesoscale Photochemical Numerical Systems During an Ozone Episode. , 2003, , 231-239.                                                                                                                               |     | 0         |
| 67 | Air Quality Measurements to Evaluate School Children Exposure and Health. Epidemiology, 2006, 17, S401.                                                                                                                               | 2.7 | 0         |
| 68 | Reducing Emissions of Atmospheric Pollutants. , 2014, , 469-478.                                                                                                                                                                      |     | 0         |
| 69 | Urban air quality plans in Europe: a review on applied methodologies. , 2014, , .                                                                                                                                                     |     | 0         |
| 70 | IMPROVING AIR QUALITY AND HUMAN HEALTH: AN APPROACH BASED ON ARTIFICIAL NEURAL NETWORKS. WIT Transactions on Ecology and the Environment, 2018, , .                                                                                   | 0.0 | 0         |
| 71 | Urban Population Exposure to Particulate Air Pollution Induced by Road Transport. , 2007, , 267-276.                                                                                                                                  |     | 0         |