Alexandra Monteiro

List of Publications by Year
in descending order

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112	2,580	186209 28	233338 45
papers	citations	h-index	g-index

118	118	118	3095
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Tourism and Air Quality: Factors Influencing the Role of Air Quality in Visitors Travel Planning. Tourism Planning and Development, 2024, 21, 20-40.	1.3	3
2	Air pollution and tourism growth relationship: exploring regional dynamics in five European countries through an EKC model. Environmental Science and Pollution Research, 2023, 30, 42904-42922.	2.7	14
3	PM10 exposure interacts with abdominal obesity to increase blood triglycerides: a cross-sectional linkage study. European Journal of Public Health, 2022, 32, 281-288.	0.1	5
4	Cointegration and Causality Analysis of Portuguese Tourism and Air Quality. Advances in Hospitality, Tourism and the Services Industry, 2022, , 52-70.	0.2	0
5	The impact of air quality on tourism: a systematic literature review. Journal of Tourism Futures, 2021, 7, 111-130.	2.3	27
6	The impact of COVID-19 on air quality levels in Portugal: A way to assess traffic contribution. Environmental Research, 2021, 193, 110515.	3.7	47
7	Impacts of nature-based solutions on the urban atmospheric environment: a case study for Eindhoven, The Netherlands. Urban Forestry and Urban Greening, 2021, 57, 126870.	2.3	14
8	COST Lecture 2019 AE GM Barcelona: International Network to Encourage the Use of Monitoring and Forecasting Dust Products (InDust). European Review, 2021, 29, 45-59.	0.4	1
9	High-Resolution Analysis of Wind Flow Behavior on Ship Stacks Configuration: A Portuguese Case Study. Atmosphere, 2021, 12, 303.	1.0	1
10	Emission inventory for harbour-related activities: comparison of two distinct bottom-up methodologies. Air Quality, Atmosphere and Health, 2021, 14, 831-842.	1.5	10
11	Assessing Douro Vineyards Exposure to Tropospheric Ozone. Atmosphere, 2021, 12, 200.	1.0	8
12	The Role of the Atmospheric Aerosol in Weather Forecasts for the Iberian Peninsula: Investigating the Direct Effects Using the WRF-Chem Model. Atmosphere, 2021, 12, 288.	1.0	4
13	Harmonizing sustainability assessment in seaports: A common framework for reporting environmental performance indicators. Ocean and Coastal Management, 2021, 202, 105514.	2.0	16
14	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.	1.5	1
15	Tourism and Air Quality during COVID-19 Pandemic: Lessons for the Future. Sustainability, 2021, 13, 3906.	1.6	10
16	Investigating the contribution of sea salt to PM10 concentration values on the coast of Portugal. Air Quality, Atmosphere and Health, 2021, 14, 1697-1708.	1.5	2
17	Association between respiratory hospital admissions and air quality in Portugal: A count time series approach. PLoS ONE, 2021, 16, e0253455.	1.1	6
18	Visitorsâ€™ behavioural intention towards an episode of air pollution: a segmentation analysis. Journal of Travel and Tourism Marketing, 2021, 38, 622-639.	3.1	5

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19	How important is air quality in travel decision-making?. Journal of Outdoor Recreation and Tourism, 2021, 35, 100380.	1.3	9
20	Assessing air pollution in European cities to support a citizen centered approach to air quality management. Science of the Total Environment, 2021, 799, 149311.	3.9	22
21	Estimating emissions from tourism activities. Atmospheric Environment, 2020, 220, 117048.	1.9	33
22	Impact of harbour activities on local air quality: A review. Environmental Pollution, 2020, 257, 113542.	3.7	66
23	Annual and seasonal variability of greenhouse gases fluxes over coastal urban and suburban areas in Portugal: Measurements and source partitioning. Atmospheric Environment, 2020, 223, 117204.	1.9	9
24	Urban aerosol assessment and forecast: Coimbra case study. Atmospheric Pollution Research, 2020, 11, 1155-1164.	1.8	5
25	The relationship between tourism and air quality in five European countries. Economic Analysis and Policy, 2020, 67, 261-272.	3.2	28
26	Climate-Change Adaptation Framework for Multiple Urban Areas in Northern Portugal. Environmental Management, 2020, 66, 395-406.	1.2	9
27	Comparison of Methodologies for Assessing Desert Dust Contribution to Regional PM10 and PM2.5 Levels: A One-Year Study Over Portugal. Atmosphere, 2020, 11, 134.	1.0	12
28	Assessment of source contribution to air quality in an urban area close to a harbor: Case-study in Porto, Portugal. Science of the Total Environment, 2019, 662, 347-360.	3.9	38
29	Source apportionment to support air quality planning: Strengths and weaknesses of existing approaches. Environment International, 2019, 130, 104825.	4.8	83
30	Climate change impact on a wineâ€producing region using a dynamical downscaling approach: Climate parameters, bioclimatic indices and extreme indices. International Journal of Climatology, 2019, 39, 5741-5760.	1.5	22
31	Performance assessment of CHIMERE and EURAD-IMâ€™ dust modules. Atmospheric Pollution Research, 2019, 10, 1336-1346.	1.8	15
32	How does upgrading an emissions inventory affect air quality simulations?. Air Quality, Atmosphere and Health, 2019, 12, 731-741.	1.5	10
33	Euro-Cordex Regional Projection Models: What Kind of Agreement for Europe?. Mathematical Geosciences, 2019, 51, 1021-1035.	1.4	1
34	Strengths and weaknesses of the FAIRMODE benchmarking methodology for the evaluation of air quality models. Air Quality, Atmosphere and Health, 2018, 11, 373-383.	1.5	18
35	Temporal patterns and trends of particulate matter over Portugal: a long-term analysis of background concentrations. Air Quality, Atmosphere and Health, 2018, 11, 397-407.	1.5	36
36	Shipping emissions over Europe: A state-of-the-art and comparative analysis. Atmospheric Environment, 2018, 177, 187-194.	1.9	48

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37	Sustainable energy action plans at city level: A Portuguese experience and perception. Journal of Cleaner Production, 2018, 176, 1223-1230.	4.6	45
38	Emissions from residential combustion sector: how to build a high spatially resolved inventory. Air Quality, Atmosphere and Health, 2018, 11, 259-270.	1.5	12
39	How economic crisis influence air quality over Portugal (Lisbon and Porto)?. Atmospheric Pollution Research, 2018, 9, 439-445.	1.8	20
40	How healthy will be the air quality in 2050?. Air Quality, Atmosphere and Health, 2018, 11, 353-362.	1.5	12
41	Investigating PM10 episodes using levoglucosan as tracer. Air Quality, Atmosphere and Health, 2018, 11, 61-68.	1.5	7
42	Air pollution: A public health approach for Portugal. Science of the Total Environment, 2018, 643, 1041-1053.	3.9	39
43	How important are maritime emissions for the air quality: At European and national scale. Environmental Pollution, 2018, 242, 565-575.	3.7	44
44	Numerical and physical assessment of control measures to mitigate fugitive dust emissions from harbor activities. Air Quality, Atmosphere and Health, 2018, 11, 493-504.	1.5	16
45	Measures to reduce air pollution caused by fugitive dust emissions from harbour activities. International Journal of Environmental Impacts Management Mitigation and Recovery, 2018, 1, 115-126.	0.1	2
46	Selection of bias correction models for improving the daily PM 10 forecasts of WRF-EURAD in Porto, Portugal. Atmospheric Pollution Research, 2017, 8, 628-639.	1.8	9
47	Modelling indoor air quality: validation and sensitivity. Air Quality, Atmosphere and Health, 2017, 10, 643-652.	1.5	14
48	National emission ceilings in Portugalâ€"trends, compliance and projections. Air Quality, Atmosphere and Health, 2017, 10, 1089-1096.	1.5	6
49	Towards an improved air quality index. Air Quality, Atmosphere and Health, 2017, 10, 447-455.	1.5	34
50	Analysis of climate change indices in relation to wine production: A case study in the Douro region (Portugal). BIO Web of Conferences, 2017, 9, 01011.	0.1	8
51	Towards an improved air quality index. , 2017, 10, 447.		1
52	A cost-efficiency and health benefit approach to improve urban air quality. Science of the Total Environment, 2016, 569-570, 342-351.	3.9	35
53	Potential effects of using biodiesel in road-traffic on air quality over the Porto urban area, Portugal. Atmospheric Environment, 2016, 125, 78-91.	1.9	11
54	Ammonia agriculture emissions: From EMEP to a high resolution inventory. Atmospheric Pollution Research, 2016, 7, 786-798.	1.8	16

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55	Investigating ozone high levels and the role of sea breeze on its transport. Atmospheric Pollution Research, 2016, 7, 339-347.	1.8	18
56	Air quality plan for ozone: an urgent need for North Portugal. Air Quality, Atmosphere and Health, 2016, 9, 447-460.	1.5	21
57	Investigating ozone episodes in Portugal: a wavelet-based approach. Air Quality, Atmosphere and Health, 2016, 9, 775-783.	1.5	5
58	Evaluating strategies to reduce urban air pollution. Atmospheric Environment, 2016, 127, 196-204.	1.9	44
59	Assessing the mineral dust from North Africa over Portugal region using BSCâ€“DREAM8b model. Atmospheric Pollution Research, 2015, 6, 70-81.	1.8	10
60	Air quality over Portugal in 2020. Atmospheric Pollution Research, 2015, 6, 788-796.	1.8	21
61	How does the use of biodiesel affect urban air quality?. International Journal of Environment and Pollution, 2015, 58, 79.	0.2	2
62	Evaluation on effects of using low biodiesel blends in a EURO 5 passenger vehicle equipped with a common-rail diesel engine. Applied Energy, 2015, 146, 230-238.	5.1	29
63	Current air quality plans in Europe designed to support air quality management policies. Atmospheric Pollution Research, 2015, 6, 434-443.	1.8	77
64	The role of ammonia on particulate matter pollution over Portugal. International Journal of Environment and Pollution, 2015, 57, 215.	0.2	4
65	Challenges for a New Air Quality Directive: The role of monitoring and modelling techniques. Urban Climate, 2015, 14, 328-341.	2.4	28
66	Atmospheric Emissions from Forest Biomass Residues to Energy Supply Chain: A Case Study in Portugal. Environmental Engineering Science, 2015, 32, 505-515.	0.8	9
67	Wavelets-based clustering of air quality monitoring sites. Environmental Monitoring and Assessment, 2015, 187, 694.	1.3	1
68	Impact of forest biomass residues to the energy supply chain on regional air quality. Science of the Total Environment, 2015, 505, 640-648.	3.9	34
69	Air quality modelling as a supplementary assessment method in the framework of the European Air Quality Directive. International Journal of Environment and Pollution, 2014, 54, 262.	0.2	4
70	Emissions characterization from EURO 5 diesel/biodiesel passenger car operating under the new European driving cycle. Atmospheric Environment, 2014, 84, 339-348.	1.9	53
71	Area burned in Portugal over recent decades: an extreme value analysis. International Journal of Wildland Fire, 2014, 23, 812.	1.0	12
72	The EFFIS forest fire atmospheric emission model: Application to a major fire event in Portugal. Atmospheric Environment, 2014, 84, 355-362.	1.9	8

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73	Air Quality Modelling and Its Applications. , 2014, , 45-56.		0
74	Reducing Emissions of Atmospheric Pollutants. , 2014, , 469-478.		0
75	Urban air quality plans in Europe: a review on applied methodologies. , 2014, , .		0
76	The role of transboundary air pollution over Galicia and North Portugal area. Environmental Science and Pollution Research, 2013, 20, 2924-2936.	2.7	9
77	Ensemble Techniques to Improve Air Quality Assessment: Focus on O3 and PM. Environmental Modeling and Assessment, 2013, 18, 249-257.	1.2	11
78	Air quality assessment of Estarreja, an urban industrialized area, in a coastal region of Portugal. Environmental Monitoring and Assessment, 2013, 185, 5847-5860.	1.3	18
79	Bias Correction Techniques to Improve Air Quality Ensemble Predictions: Focus on O3 and PM Over Portugal. Environmental Modeling and Assessment, 2013, 18, 533-546.	1.2	27
80	A review of operational, regional-scale, chemical weather forecasting models in Europe. Atmospheric Chemistry and Physics, 2012, 12, 1-87.	1.9	265
81	Reducing NO2 Pollution over Urban Areas: Air Quality Modelling as a Fundamental Management Tool. Water, Air, and Soil Pollution, 2012, 223, 5307-5320.	1.1	13
82	Investigating a high ozone episode in a rural mountain site. Environmental Pollution, 2012, 162, 176-189.	3.7	49
83	Air quality simulations for North America - MM5â€“CAMx modelling performance for main gaseous pollutants. Atmospheric Environment, 2012, 53, 212-224.	1.9	14
84	Trends in ozone concentrations in the Iberian Peninsula by quantile regression and clustering. Atmospheric Environment, 2012, 56, 184-193.	1.9	25
85	A contribution to air quality management in urban industrialized areas. , 2012, , .		1
86	Numerical Simulations of RC Hollow Piers Under Horizontal Cyclic Loading. Journal of Earthquake Engineering, 2011, 15, 833-849.	1.4	8
87	Towards uncertainty mapping in air-quality modelling and assessment. International Journal of Environment and Pollution, 2011, 44, 14.	0.2	6
88	Forest fires in a changing climate and their impacts on air quality. Atmospheric Environment, 2011, 45, 5545-5553.	1.9	66
89	How bias-correction can improve air quality forecasts over Portugal. Atmospheric Environment, 2011, 45, 6629-6641.	1.9	50
90	High Ozone Levels in a Rural Mountainous Area: Where Does It Come from?. NATO Science for Peace and Security Series C: Environmental Security, 2011, , 161-167.	0.1	0

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91	Determination of background concentrations for air quality models using spectral analysis and filtering of monitoring data. Atmospheric Environment, 2010, 44, 106-114.	1.9	47
92	Modelling the photochemical pollution over the metropolitan area of Porto Alegre, Brazil. Atmospheric Environment, 2010, 44, 370-380.	1.9	11
93	High ozone levels in the northeast of Portugal: Analysis and characterization. Atmospheric Environment, 2010, 44, 1020-1031.	1.9	48
94	Climate-driven changes in air quality over Europe by the end of the 21st century, with special reference to Portugal. Environmental Science and Policy, 2010, 13, 445-458.	2.4	54
95	Numerical modelling of 2003 summer forest fire impacts on air quality over Portugal. , 2010, , .		3
96	Forecasting human exposure to atmospheric pollutants in Portugal â€“ A modelling approach. Atmospheric Environment, 2009, 43, 5796-5806.	1.9	25
97	Procedures for estimation of modelling uncertainty in air quality assessment. Environment International, 2008, 34, 613-620.	4.8	96
98	Forest Fires Impact on Air Quality over Portugal. NATO Security Through Science Series C: Environmental Security, 2008, , 190-198.	0.1	9
99	Estimation of the Modelling Uncertainty Related with Stochastic Processes. NATO Security Through Science Series C: Environmental Security, 2008, , 461-469.	0.1	0
100	Chapter 5.6 Long-term aerosol simulation for Portugal using the CHIMERE model. Developments in Environmental Science, 2007, , 534-547.	0.5	0
101	Long-term assessment of particulate matter using CHIMERE model. Atmospheric Environment, 2007, 41, 7726-7738.	1.9	48
102	Air quality assessment for Portugal. Science of the Total Environment, 2007, 373, 22-31.	3.9	53
103	How urban structure can affect city sustainability from an air quality perspective. Environmental Modelling and Software, 2006, 21, 461-467.	1.9	165
104	Air Quality Modelling Application to Evaluate Effects of PM Air Concentrations on Urban Population Exposure.. Epidemiology, 2006, 17, S252-S253.	1.2	5
105	National emissions ceilings for 2005 and 2010 and their impact on Portuguese air quality. WIT Transactions on Ecology and the Environment, 2006, , .	0.0	0
106	Air pollution forecast in Portugal: a demand from the new air quality framework directive. International Journal of Environment and Pollution, 2005, 25, 4.	0.2	26
107	Long-term simulations of photo oxidant pollution over Portugal using the CHIMERE model. Atmospheric Environment, 2005, 39, 3089-3101.	1.9	46
108	Chemical Mechanisms in two Photochemical Modelling Systems: A Comparison Procedure. , 2004, , 87-96.		3

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109	Evaluation of Two Mesoscale Photochemical Numerical Systems During an Ozone Episode. , 2003, , 231-239.		0
110	Influence of Traffic Emissions Estimation Variability on Urban Air Quality Modelling. Water, Air and Soil Pollution, 2002, 2, 487-499.	0.8	9
111	Influence of Traffic Emissions Estimation Variability on Urban Air Quality Modelling. , 2002, , 487-499.		0
112	Air Quality Plans for the Northern Region of Portugal: Improving Particulate Matter and Coping with Legislation. , 0, , .		3