Maria Joao Pereira

List of Publications by Year
in descending order

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50 papers	1,203 citations	361413 20 h-index	395702 33 g-index
51 all docs	51 docs citations	51 times ranked	1264 citing authors

#	Article	IF	Citations
1	Oil-in-water and water-in-oil emulsions formation and demulsification. Journal of Petroleum Science and Engineering, 2022, 210, 110041.	4.2	58
2	Properties of Crude Oil-in-Water and Water-in-Crude Oil Emulsions: A Critical Review. Industrial & Engineering Chemistry Research, 2022, 61, 1-20.	3.7	16
3	Spatially variable pesticide application in olive groves: Evaluation of potential pesticide-savings through stochastic spatial simulation algorithms. Science of the Total Environment, 2021, 778, 146111.	8.0	6
4	Quantifying 28-year (1991â€“2019) shoreline change trends along the Mnazi Bay â€“ Ruvuma Estuary Marine Park, Tanzania. Remote Sensing Applications: Society and Environment, 2021, 23, 100607.	1.5	3
5	Geostatistical COVID-19 infection risk maps for Portugal. International Journal of Health Geographics, 2020, 19, 25.	2.5	28
6	Measuring and mapping the effectiveness of the European Air Quality Directive in reducing N and S deposition at the ecosystem level. Science of the Total Environment, 2019, 647, 1531-1538.	8.0	8
7	Modelling Paraffin Wax Deposition Using Aspen HYSYS and MATLAB. Computer Aided Chemical Engineering, 2019, , 973-978.	0.5	12
8	Updating Mining Resources with Uncertain Data. Mathematical Geosciences, 2019, 51, 905-924.	2.4	9
9	Geostatistics for Environmental Applications. Mathematical Geosciences, 2018, 50, 123-125.	2.4	0
10	Contrasting plant waterâ€use responses to groundwater depth in coastal dune ecosystems. Functional Ecology, 2018, 32, 1931-1943.	3.6	24
11	High-dimensional geostatistical history matching. Computational Geosciences, 2018, 22, 607-622.	2.4	3
12	Modelling local uncertainty in relations between birth weight and air quality within an urban area: combining geographically weighted regression with geostatistical simulation. Environmental Science and Pollution Research, 2018, 25, 25942-25954.	5.3	7
13	Traffic represents the main source of pollution in small Mediterranean urban areas as seen by lichen functional groups. Environmental Science and Pollution Research, 2017, 24, 12016-12025.	5.3	20
14	Assessing Local Uncertainty of Soil Protection in an Olive Grove Area with Pruning Residues Cover: A Geostatistical Cosimulation Approach. Land Degradation and Development, 2017, 28, 2086-2097.	3.9	12
15	Using nitrogen concentration and isotopic composition in lichens to spatially assess the relative contribution of atmospheric nitrogen sources in complex landscapes. Environmental Pollution, 2017, 230, 632-638.	7.5	25
16	Geostatistical Data Fusion: Application to Red Edge Bands of Sentinel 2. , 2016, , .		3
17	Geostatistical uncertainty of assessing air quality using high-spatial-resolution lichen data: A health study in the urban area of Sines, Portugal. Science of the Total Environment, 2016, 562, 740-750.	8.0	26
18	Forecasting O 3 levels in industrial area surroundings up to 24Âh in advance, combining classification trees and MLP models. Atmospheric Pollution Research, 2016, 7, 961-970.	3.8	37

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19	Neighbourhood Determinants of Caries Experience in Preschool Children: A Multilevel Study. Caries Research, 2016, 50, 455-461.	2.0	14
20	A coregionalization model can assist specification of Geographically Weighted Poisson Regression: Application to an ecological study. Spatial and Spatio-temporal Epidemiology, 2016, 17, 1-13.	1.7	11
21	SimulaÃ§Ã£o sequencial de atributos diagnÃ³sticos do solo. Revista Brasileira De Engenharia Agricola E Ambiental, 2015, 19, 418-425.	1.1	3
22	Disentangling Natural and Anthropogenic Sources of Atmospheric Sulfur in an Industrial Region Using Biomonitors. Environmental Science & Technology, 2015, 49, 2222-2229.	10.0	16
23	A Coregionalization Model to Assist the Selection Process of Local and Global Variables in Semi-parametric Geographically Weighted Poisson Regression. Procedia Environmental Sciences, 2015, 26, 53-56.	1.4	4
24	Seasonal patterns of Mediterranean evergreen woodlands (Montado) are explained by long-term precipitation. Agricultural and Forest Meteorology, 2015, 202, 44-50.	4.8	21
25	Beyond the confusion matrix: Geostatistical error assessment for Landsat landcover maps of the Portuguese landscape. , 2014, , .		1
26	Associations between outdoor air quality and birth weight: a geostatistical sequential simulation approach in Coastal Alentejo, Portugal. Stochastic Environmental Research and Risk Assessment, 2014, 28, 527-540.	4.0	15
27	A new approach to soil classification mapping based on the spatial distribution of soil properties. Geoderma, 2014, 219-220, 106-116.	5.1	6
28	Spatial modelling of soil hydraulic properties integrating different supports. Journal of Hydrology, 2014, 511, 1-9.	5.4	11
29	Tools for determining critical levels of atmospheric ammonia under the influence of multiple disturbances. Environmental Pollution, 2014, 188, 88-93.	7.5	29
30	Stochastic Simulation Model for the Spatial Characterization of Lung Cancer Mortality Risk and Study of Environmental Factors. Mathematical Geosciences, 2013, 45, 437-452.	2.4	7
31	Multivariate geostatistical methods for analysis of relationships between ecological indicators and environmental factors at multiple spatial scales. Ecological Indicators, 2013, 29, 339-347.	6.3	19
32	A step towards the use of biomonitors as estimators of atmospheric PAHs for regulatory purposes. Chemosphere, 2013, 92, 626-632.	8.2	49
33	The 20 February 2010 Madeira Island flash-floods: VHR satellite imagery processing in support of landslide inventory and sediment budget assessment. Natural Hazards and Earth System Sciences, 2013, 13, 709-719.	3.6	21
34	Assessing Human Exposure to Polycyclic Aromatic Hydrocarbons (PAH) in a Petrochemical Region Utilizing Data from Environmental Biomonitors. Journal of Toxicology and Environmental Health - Part A: Current Issues, 2012, 75, 819-830.	2.3	33
35	The use of lichen functional groups as indicators of air quality in a Mediterranean urban environment. Ecological Indicators, 2012, 13, 215-221.	6.3	66
36	Automatic detection of landslide features with remote sensing techniques: Application to Madeira Island. , 2011, , .		8

#	Article	IF	Citations
37	Mapping spatial distribution of land cover classification errors. , 2011, , .		0
38	Spatialâ€“temporal dynamics of precipitation extremes in southern Portugal: a geostatistical assessment study. International Journal of Climatology, 2010, 30, 1526-1537.	3.5	26
39	A study protocol to evaluate the relationship between outdoor air pollution and pregnancy outcomes. BMC Public Health, 2010, 10, 613.	2.9	6
40	Lichens as an integrating tool for monitoring PAH atmospheric deposition: A comparison with soil, air and pine needles. Environmental Pollution, 2010, 158, 483-489.	7.5	111
41	Assessing spatial uncertainty of the Portuguese fire risk through direct sequential simulation. Ecological Modelling, 2010, 221, 27-33.	2.5	8
42	Spatial Modeling of PAHs in Lichens for Fingerprinting of Multisource Atmospheric Pollution. Environmental Science & Technology, 2009, 43, 7762-7769.	10.0	61
43	Impact of neighbourhood land-cover in epiphytic lichen diversity: Analysis of multiple factors working at different spatial scales. Environmental Pollution, 2008, 151, 414-422.	7.5	48
44	Causes of change in nitrophytic and oligotrophic lichen species in a Mediterranean climate: Impact of land cover and atmospheric pollutants. Environmental Pollution, 2008, 154, 380-389.	7.5	72
45	The contribution of environmental biomonitoring with lichens to assess human exposure to dioxins. International Journal of Hygiene and Environmental Health, 2007, 210, 433-438.	4.3	37
46	Spaceâ€“time modelling of air quality for environmental-risk maps: A case study in South Portugal. Computers and Geosciences, 2007, 33, 1327-1336.	4.2	9
47	Atmospheric Dioxin and Furan Deposition in Relation to Land-Use and Other Pollutants: A Survey with Lichens. Journal of Atmospheric Chemistry, 2004, 49, 53-65.	3.2	35
48	Mapping Lichen Diversity as a First Step for Air Quality Assessment. Journal of Atmospheric Chemistry, 2004, 49, 377-389.	3.2	58
49	Improving the use of lichens as biomonitors of atmospheric metal pollution. Science of the Total Environment, 1999, 232, 67-77.	8.0	98
50	Stochastic Simulation of Space-Time Series: Application to a River Water Quality Modelling. , 1996, , 146-161.		3