

Susana Barbosa

List of Publications by Year in Descending Order

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Version: 2024-04-29

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

55
papers

920
citations

20
h-index

27
g-index

70
ext. papers

1,061
ext. citations

3
avg, IF

4.38
L-index

#	Paper	IF	Citations
55	Extreme heat events in the Iberia Peninsula from extreme value mixture modeling of ERA5-Land air temperature. <i>Weather and Climate Extremes</i> , 2022 , 36, 100448	6	1
54	Glossary on atmospheric electricity and its effects on biology. <i>International Journal of Biometeorology</i> , 2021 , 65, 5-29	3.7	2
53	The Impact of Atmospheric and Tectonic Constraints on Radon-222 and Carbon Dioxide Flow in Geological Porous Media - A Dozen-Year Research Summary. <i>Frontiers in Earth Science</i> , 2020 , 8,	3.5	2
52	Ambient radioactivity and atmospheric electric field: A joint study in an urban environment. <i>Journal of Environmental Radioactivity</i> , 2020 , 219, 106283	2.4	3
51	Morphological controls and statistical modelling of boulder transport by extreme storms. <i>Marine Geology</i> , 2020 , 426, 106216	3.3	1
50	The Structure of Climate Variability Across Scales. <i>Reviews of Geophysics</i> , 2020 , 58, e2019RG000657	23.1	26
49	Meteorological and soil surface effects in gamma radiation time series - Implications for assessment of earthquake precursors. <i>Journal of Environmental Radioactivity</i> , 2018 , 195, 72-78	2.4	3
48	Short-term variability of gamma radiation at the ARM Eastern North Atlantic facility (Azores). <i>Journal of Environmental Radioactivity</i> , 2017 , 172, 218-231	2.4	13
47	Vertical land motion and sea level change in Macaronesia. <i>Geophysical Journal International</i> , 2017 , 210, 1264-1280	2.6	2
46	Saharan dust electrification perceived by a triangle of atmospheric electricity stations in Southern Portugal. <i>Journal of Electrostatics</i> , 2016 , 84, 106-120	1.7	14
45	Trends in Extreme Mean Sea Level Quantiles from Satellite Altimetry. <i>Marine Geodesy</i> , 2016 , 39, 165-177	1.2	1
44	Long-term changes in the seasonality of Baltic sea level. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2016 , 68, 30540	2	8
43	Wavelet-Based Clustering of Sea Level Records. <i>Mathematical Geosciences</i> , 2016 , 48, 149-162	2.5	5
42	Temporal variability of radon in a remediated tailing of uranium ore processing--the case of Urgeiriã (central Portugal). <i>Journal of Environmental Radioactivity</i> , 2015 , 142, 14-23	2.4	8
41	Intrinsic vs. spurious long-range memory in high-frequency records of environmental radioactivity. <i>European Physical Journal: Special Topics</i> , 2015 , 224, 741-762	2.3	8
40	Preliminary results on soil-emitted gamma radiation and its relation with the local atmospheric electric field at Amieira (Portugal). <i>Journal of Physics: Conference Series</i> , 2015 , 646, 012015	0.3	6
39	Witnessing North Atlantic westerlies variability from ships' logbooks (1685-2008). <i>Climate Dynamics</i> , 2014 , 43, 939-955	4.2	31

38	Changes in extreme sea-levels in the Baltic Sea. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2014 , 66, 20921	2	8
37	Differentiation between the effect of temperature and pressure on radon within the subsurface geological media. <i>Radiation Measurements</i> , 2013 , 49, 39-56	1.5	35
36	Discrete wavelet analysis of the influence of the North Atlantic Oscillation on Baltic Sea level. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2013 , 65, 20077	2	10
35	Trends in ozone concentrations in the Iberian Peninsula by quantile regression and clustering. <i>Atmospheric Environment</i> , 2012 , 56, 184-193	5.3	22
34	Atmospheric correction of satellite altimetry observations and sea-level variability in the NE Atlantic. <i>Advances in Space Research</i> , 2012 , 50, 1077-1084	2.4	3
33	Contemporary sea level in the Chagos Archipelago, central Indian Ocean. <i>Global and Planetary Change</i> , 2012 , 82-83, 25-37	4.2	24
32	Spatial patterns of linear and nonparametric long-term trends in Baltic sea-level variability. <i>Nonlinear Processes in Geophysics</i> , 2012 , 19, 95-111	2.9	35
31	Quantile Analysis of Relative Sea-Level at the Hornbæk and Gedser Tide Gauges. <i>International Association of Geodesy Symposia</i> , 2012 , 567-571	0.8	2
30	Extreme value and cluster analysis of European daily temperature series. <i>Journal of Applied Statistics</i> , 2011 , 38, 2793-2804	1	11
29	Soil-gas radon monitoring in an active granite quarry from central Portugal. <i>Natural Hazards and Earth System Sciences</i> , 2011 , 11, 1845-1849	3.9	5
28	Summarising changes in air temperature over Central Europe by quantile regression and clustering. <i>Natural Hazards and Earth System Sciences</i> , 2011 , 11, 3227-3233	3.9	36
27	Periodic and transient radon variations at the Tiberias hot spring, Israel during 2000 [^] [^] ndash;2005. <i>Geochemical Journal</i> , 2011 , 45, 473-482	0.9	12
26	Seasonal and daily variation of radon at 10 m depth in borehole, Garhwal Lesser Himalaya, India. <i>Applied Radiation and Isotopes</i> , 2011 , 69, 1070-8	1.7	21
25	Gamma versus alpha sensors for Rn-222 long-term monitoring in geological environments. <i>Radiation Measurements</i> , 2011 , 46, 611-620	1.5	21
24	Testing for Deterministic Trends in Global Sea Surface Temperature. <i>Journal of Climate</i> , 2011 , 24, 2516-2522	4.2	17
23	Multiyear to daily radon variability from continuous monitoring at the Amram tunnel, southern Israel. <i>Geophysical Journal International</i> , 2010 , 182, 829-842	2.6	42
22	Clustering Time Series of Sea Levels: Extreme Value Approach. <i>Journal of Waterway, Port, Coastal and Ocean Engineering</i> , 2010 , 136, 215-225	1.7	18
21	Low-frequency sea-level change in Chesapeake Bay: Changing seasonality and long-term trends. <i>Estuarine, Coastal and Shelf Science</i> , 2009 , 83, 30-38	2.9	18

20	Trend patterns in global sea surface temperature. <i>International Journal of Climatology</i> , 2009 , 29, 2049-2055	3.5	18
19	Multi-scale variability patterns in NCEP/NCAR reanalysis sea-level pressure. <i>Theoretical and Applied Climatology</i> , 2009 , 96, 319-326	3	11
18	Indoor radon periodicities and their physical constraints: a study in the Coimbra region (Central Portugal). <i>Journal of Environmental Radioactivity</i> , 2009 , 100, 896-904	2.4	6
17	Model-based clustering of Baltic sea-level. <i>Applied Ocean Research</i> , 2009 , 31, 4-11	3.4	18
16	Understanding the Earth as a Complex System – Recent advances in data analysis and modelling in Earth sciences. <i>European Physical Journal: Special Topics</i> , 2009 , 174, 1-9	2.3	31
15	Changing seasonality in Europe’s air temperature. <i>European Physical Journal: Special Topics</i> , 2009 , 174, 81-89	2.3	5
14	Deterministic versus stochastic trends: Detection and challenges. <i>Journal of Geophysical Research</i> , 2009 , 114,		58
13	Quantile trends in Baltic sea level. <i>Geophysical Research Letters</i> , 2008 , 35,	4.9	63
12	Changing seasonality in North Atlantic coastal sea level from the analysis of long tide gauge records. <i>Tellus, Series A: Dynamic Meteorology and Oceanography</i> , 2008 , 60, 165-177	2	21
11	Time Series Analysis of Sea-Level Records: Characterising Long-Term Variability. <i>Lecture Notes in Earth Sciences</i> , 2008 , 157-173		21
10	Radon daily signals in the Elat Granite, southern Arava, Israel. <i>Journal of Geophysical Research</i> , 2007 , 112,		38
9	Radon variability at the Elat granite, Israel: Heteroscedasticity and nonlinearity. <i>Geophysical Research Letters</i> , 2007 , 34,	4.9	27
8	Scale-based comparison of Sea Level observations in the North Atlantic from Satellite Altimetry and Tide Gauges 2007 , 63-66		2
7	Wavelet analysis of the Lisbon and Gibraltar North Atlantic Oscillation winter indices. <i>International Journal of Climatology</i> , 2006 , 26, 581-593	3.5	23
6	Multivariate autoregressive modelling of sea level time series from TOPEX/Poseidon satellite altimetry. <i>Nonlinear Processes in Geophysics</i> , 2006 , 13, 177-184	2.9	13
5	Impact of Altimeter Data Processing on Sea Level Studies. <i>Sensors</i> , 2006 , 6, 131-163	3.8	18
4	Long-range dependence in North Atlantic sea level. <i>Physica A: Statistical Mechanics and Its Applications</i> , 2006 , 371, 725-731	3.3	27
3	Space-time analysis of sea level in the North Atlantic from TOPEX/Poseidon satellite altimetry 2005 , 248-253		0

- 2 Nonlinear sea level trends from European tide gauge records. *Annales Geophysicae*, **2004**, 22, 1465-1472 15
- 1 New metrology for radon at the environmental level. *Measurement Science and Technology*, 2 8