M Joana Fernandes

List of Publications by Year
in descending order

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43 papers	1,576 citations	331670 21 h-index	315739 38 g-index
53 all docs	53 docs citations	53 times ranked	1611 citing authors

#	Article	IF	Citations
1	Improved sea level record over the satellite altimetry era (1993â€“2010) from the Climate Change Initiative project. Ocean Science, 2015, 11, 67-82.	3.4	205
2	An improved and homogeneous altimeter sea level record from the ESA Climate Change Initiative. Earth System Science Data, 2018, 10, 281-301.	9.9	157
3	Altimetry for the future: Building on 25 years of progress. Advances in Space Research, 2021, 68, 319-363.	2.6	119
4	Coastal SAR and PLRM altimetry in German Bight and West Baltic Sea. Advances in Space Research, 2018, 62, 1371-1404.	2.6	93
5	Requirements for a Coastal Hazards Observing System. Frontiers in Marine Science, 2019, 6, .	2.5	92
6	Improved wet path delays for all ESA and reference altimetric missions. Remote Sensing of Environment, 2015, 169, 50-74.	11.0	82
7	Atmospheric Corrections for Altimetry Studies over Inland Water. Remote Sensing, 2014, 6, 4952-4997.	4.0	75
8	GPD+ Wet Tropospheric Corrections for CryoSat-2 and GFO Altimetry Missions. Remote Sensing, 2016, 8, 851.	4.0	59
9	A new phase in the production of quality-controlled sea level data. Earth System Science Data, 2017, 9, 557-572.	9.9	56
10	GNSS-Derived Path Delay: An Approach to Compute the Wet Tropospheric Correction for Coastal Altimetry. IEEE Geoscience and Remote Sensing Letters, 2010, 7, 596-600.	3.1	44
11	Tropospheric delays from GNSS for application in coastal altimetry. Advances in Space Research, 2013, 51, 1352-1368.	2.6	41
12	Assessment of Altimetric Range and Geophysical Corrections and Mean Sea Surface Modelsâ€”Impacts on Sea Level Variability around the Indonesian Seas. Remote Sensing, 2017, 9, 102.	4.0	39
13	Seasonal and interannual variability of surface circulation in the Cape Verde region from 8 years of merged T/P and ERS-2 altimeter data. Remote Sensing of Environment, 2005, 98, 45-62.	11.0	31
14	On the role of the troposphere in satellite altimetry. Remote Sensing of Environment, 2021, 252, 112149.	11.0	30
15	Long-range dependence in North Atlantic sea level. Physica A: Statistical Mechanics and Its Applications, 2006, 371, 725-731.	2.6	28
16	Satellite Altimetry in Coastal Regions. , 2017, , 343-380.		28
17	Independent Assessment of Sentinel-3A Wet Tropospheric Correction over the Open and Coastal Ocean. Remote Sensing, 2018, 10, 484.	4.0	25
18	Wavelet analysis of the Lisbon and Gibraltar North Atlantic Oscillation winter indices. International Journal of Climatology, 2006, 26, 581-593.	3.5	24

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19	Time Series Analysis of Sea-Level Records: Characterising Long-Term Variability. Lecture Notes in Earth Sciences, 2008, , 157-173.	0.5	24
20	The Role of Multi-Mission ERS Altimetry in the Determination of the Marine Geoid in the Azores. Marine Geodesy, 2000, 23, 1-16.	2.0	23
21	Changing seasonality in North Atlantic coastal sea level from the analysis of long tide gauge records. Tellus, Series A: Dynamic Meteorology and Oceanography, 2008, 60, 165-177.	1.7	23
22	A Conceptually Simple Modeling Approach for Jason-1 Sea State Bias Correction Based on 3 Parameters Exclusively Derived from Altimetric Information. Remote Sensing, 2016, 8, 576.	4.0	23
23	Analysis and Inter-Calibration of Wet Path Delay Datasets to Compute the Wet Tropospheric Correction for CryoSat-2 over Ocean. Remote Sensing, 2013, 5, 4977-5005.	4.0	22
24	Independent Assessment of On-Board Microwave Radiometer Measurements in Coastal Zones Using Tropospheric Delays From GNSS. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1804-1816.	6.3	20
25	Tropospheric Corrections for Coastal Altimetry. , 2011, , 147-176.		20
26	Impact of Altimeter Data Processing on Sea Level Studies. Sensors, 2006, 6, 131-163.	3.8	19
27	A RIP-based SAR retracker and its application in North East Atlantic with Sentinel-3. Advances in Space Research, 2021, 68, 892-929.	2.6	17
28	Impact of the New ERA5 Reanalysis in the Computation of Radar Altimeter Wet Path Delays. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 9849-9857.	6.3	16
29	Multivariate autoregressive modelling of sea level time series from TOPEX/Poseidon satellite altimetry. Nonlinear Processes in Geophysics, 2006, 13, 177-184.	1.3	14
30	A coastally improved global dataset of wet tropospheric corrections for satellite altimetry. Earth System Science Data, 2020, 12, 3205-3228.	9.9	14
31	Multi-scale variability patterns in NCEP/NCAR reanalysis sea-level pressure. Theoretical and Applied Climatology, 2009, 96, 319-326.	2.8	11
32	Spatio-temporal variability of the wet component of the troposphere â€“ Application to satellite altimetry. Advances in Space Research, 2019, 63, 1737-1753.	2.6	11
33	Modelling the Altitude Dependence of the Wet Path Delay for Coastal Altimetry Using 3-D Fields from ERA5. Remote Sensing, 2019, 11, 2973.	4.0	11
34	Sea level anomaly in the North Atlantic and seas around Europe: Long-term variability and response to North Atlantic teleconnection patterns. Science of the Total Environment, 2017, 609, 861-874.	8.0	10
35	Improved Sea State Bias Estimation for Altimeter Reference Missions With Altimeter-Only Three-Parameter Models. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 1448-1462.	6.3	10
36	Analysis and retrieval of tropospheric corrections for CryoSat-2 over inland waters. Advances in Space Research, 2018, 62, 1479-1496.	2.6	9

#	Article	IF	Citations
37	Satellite Altimetry: Sailing Closer to the Coast. , 2011, , 217-238.		9
38	Semi-automatic determination of the Azores Current axis using satellite altimetry: Application to the study of the current variability during 1995â€“2006. Advances in Space Research, 2013, 51, 2155-2170.	2.6	6
39	An enhanced retrieval of the wet tropospheric correction for Sentinel-3 using dynamic inputs from ERA5. Journal of Geodesy, 2022, 96, 1.	3.6	6
40	The COASTALT project: Towards an operational use of satellite altimetry in the coastal zone. , 2009, , .		4
41	Evaluating the feasibility of GPS measurements of SSH on board a ship along the Portuguese West Coast. Advances in Space Research, 2013, 51, 1492-1501.	2.6	3
42	Scale-based comparison of Sea Level observations in the North Atlantic from Satellite Altimetry and Tide Gauges. , 2007, , 63-66.		2
43	Improved Coastal Altimetry Could Contribute to the Monitoring of Regional Sea Level Trends. Eos, 2011, 92, 136-136.	0.1	1