Machiel Bos

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/3327776/publications.pdf

Version: 2024-02-01

43	1,808	361413	289244
papers	citations	20 h-index	40 g-index

47	47	47	1409
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Fast error analysis of continuous GNSS observations with missing data. Journal of Geodesy, 2013, 87, 351-360.	3.6	286
2	Fast error analysis of continuous GPS observations. Journal of Geodesy, 2008, 82, 157-166.	3.6	141
3	Detecting offsets in GPS time series: First results from the detection of offsets in GPS experiment. Journal of Geophysical Research: Solid Earth, 2013, 118, 2397-2407.	3.4	133
4	Validating Earth and ocean tide models using tidal gravity measurements. Geophysical Journal International, 2003, 152, 468-485.	2.4	106
5	Improved Constraints on Models of Glacial Isostatic Adjustment: A Review of the Contribution of Ground-Based Geodetic Observations. Surveys in Geophysics, 2010, 31, 465-507.	4.6	97
6	Review of current GPS methodologies for producing accurate time series and their error sources. Journal of Geodynamics, 2017, 106, 12-29.	1.6	94
7	The effect of temporal correlated noise on the sea level rate and acceleration uncertainty. Geophysical Journal International, 2014, 196, 1423-1430.	2.4	87
8	The influence of seasonal signals on the estimation of the tectonic motion in short continuous GPS time-series. Journal of Geodynamics, 2010, 49, 205-209.	1.6	82
9	Surface velocity field of the Ibero-Maghrebian segment of the Eurasia-Nubia plate boundary. Geophysical Journal International, 2007, 169, 315-324.	2.4	70
10	An estimate of the errors in gravity ocean tide loading computations. Journal of Geodesy, 2005, 79, 50-63.	3.6	60
11	Assessing the accuracy of predicted ocean tide loading displacement values. Journal of Geodesy, 2008, 82, 893-907.	3.6	58
12	Investigation of the noise properties at low frequencies in long GNSS time series. Journal of Geodesy, 2019, 93, 1271-1282.	3.6	58
13	Three months of local sea level derived from reflected GNSS signals. Radio Science, 2011, 46, .	1.6	56
14	Ocean tide loading displacements in western Europe: 2. GPSâ€observed anelastic dispersion in the asthenosphere. Journal of Geophysical Research: Solid Earth, 2015, 120, 6540-6557.	3.4	52
15	Detecting time-varying seasonal signal in GPS position time series with different noise levels. GPS Solutions, 2018, 22, 1.	4.3	46
16	Ocean tide loading displacements in western Europe: 1. Validation of kinematic GPS estimates. Journal of Geophysical Research: Solid Earth, 2015, 120, 6523-6539.	3.4	44
17	Sea level rise in the north-western part of the Arabian Gulf. Journal of Geodynamics, 2014, 81, 105-110.	1.6	38
18	Seaâ€Level Trend Uncertainty With Pacific Climatic Variability and Temporallyâ€Correlated Noise. Journal of Geophysical Research: Oceans, 2018, 123, 1978-1993.	2.6	34

#	Article	IF	Citations
19	Testing ocean tide models in the Nordic seas with tidal gravity observations. Geophysical Journal International, 2002, 150, 687-694.	2.4	25
20	Estimates of Vertical Velocity Errors for IGS ITRF2014 Stations by Applying the Improved Singular Spectrum Analysis Method and Environmental Loading Models. Pure and Applied Geophysics, 2018, 175, 1823-1840.	1.9	25
21	Noise-Dependent Adaption of the Wiener Filter for the GPS Position Time Series. Mathematical Geosciences, 2019, 51, 53-73.	2.4	21
22	Introducing a vertical land motion model for improving estimates of sea level rates derived from tide gauge records affected by earthquakes. GPS Solutions, 2019, 23, 1.	4.3	21
23	Asthenospheric anelasticity effects on ocean tide loading around the East China Sea observed with GPS. Solid Earth, 2020, 11, 185-197.	2.8	16
24	Analysing the 100year sea level record of LeixÃµes, Portugal. Journal of Hydrology, 2013, 481, 76-84.	5.4	14
25	Long-period lunar Earth tides at the geographic South Pole and recent models of ocean tides. Geophysical Journal International, 2000, 143, 490-494.	2.4	13
26	Computation of Greenâ€™s Functions for Ocean Tide Loading. , 2013, , 1-52.		12
27	A Comparison Between Three IMUs for Strapdown Airborne Gravimetry. Surveys in Geophysics, 2015, 36, 571-586.	4.6	12
28	Introduction to Geodetic Time Series Analysis. Springer Geophysics, 2020, , 29-52.	0.9	12
29	Verifying the body tide at the Canary Islands using tidal gravimetry observations. Journal of Geodynamics, 2011, 51, 358-365.	1.6	11
30	Tidal tilt observations in the Netherlands using shallow borehole tiltmeters. Physics and Chemistry of the Earth, 2000, 25, 415-420.	0.6	10
31	Lunar tides in Loch Ness, Scotland. Journal of Geophysical Research, 2011, 116, .	3.3	10
32	Angular velocity of Arabian plate from multi-year analysis of GNSS data. Arabian Journal of Geosciences, 2016, 9, 1.	1.3	9
33	Annual sea level variations in the Red Sea observed using GNSS. Geophysical Journal International, 2020, 221, 826-834.	2.4	8
34	Deformation and Tectonics: Contribution of GPS Measurements to Plate Tectonics â€“ Overview and Recent Developments. , 2010, , 155-184.		7
35	Modelling the GNSS Time Series: Different Approaches to Extract Seasonal Signals. Springer Geophysics, 2020, , 211-237.	0.9	7
36	On the Use of UAVs for Strapdown Airborne Gravimetry. International Association of Geodesy Symposia, 2012, , 255-261.	0.4	7

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37	On the importance of proper noise modelling for long-term precipitable water vapour trend estimations. South African Journal of Geology, 2007, 110, 211-218.	1.2	6
38	Limitations in Oneâ€Dimensional (an)Elastic Earth Models for Explaining GPSâ€Observed M‹sub›2‹/sub› Ocean Tide Loading Displacements in New Zealand. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB021992.	3.4	6
39	Sensitivity analysis of the gravity geoid estimation: A case study on the Azores plateau. Physics of the Earth and Planetary Interiors, 2008, 168, 113-124.	1.9	4
40	Comment on â€œAnomalous ocean load tide signal observed in lakeâ€level variations in Tierra del Fuegoâ€• by A. Richter et al.. Geophysical Research Letters, 2010, 37, .	4.0	4
41	Filtering of GPS Time Series Using Geophysical Models and Common Mode Error Analysis. Springer Geophysics, 2020, , 261-278.	0.9	3
42	Estimation of the Vertical Land Motion from GNSS Time Series and Application in Quantifying Sea-Level Rise. Springer Geophysics, 2020, , 317-344.	0.9	1
43	Conclusions and Future Challenges in Geodetic Time Series Analysis. Springer Geophysics, 2020, , 419-422.	0.9	0