Robert Dill

List of Publications by Year
in descending order

27 papers	999 citations	623734 14 h-index	552781 26 g-index
41 all docs	41 docs citations	41 times ranked	916 citing authors

#	ARTICLE	IF	CITATIONS
1	On the effect of non-tidal atmospheric and oceanic loading on the orbits of the altimetry satellites ENVISAT, Jason-1 and Jason-2. Advances in Space Research, 2021, 68, 1048-1058.	2.6	3
2	Identifying the sensitivity of GPS to non-tidal loadings at various time resolutions: examining vertical displacements from continental Eurasia. GPS Solutions, 2021, 25, 1.	4.3	12
3	Improving Atmospheric Angular Momentum Forecasts by Machine Learning. Earth and Space Science, 2021, 8, .	2.6	6
4	Gravitationally Consistent Mean Barystatic Sea Level Rise From Leakage‐Corrected Monthly GRACE Data. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020923.	3.4	17
5	Modelling spatial covariances for terrestrial water storage variations verified with synthetic GRACE-FO data. GEM - International Journal on Geomathematics, 2020, 11, 1.	1.6	9
6	Self‐Validating Deep Learning for Recovering Terrestrial Water Storage From Gravity and Altimetry Measurements. Geophysical Research Letters, 2020, 47, e2020GL089258.	4.0	9
7	Evaluating Processing Choices for the Geodetic Estimation of Earth Orientation Parameters With Numerical Models of Global Geophysical Fluids. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB020025.	3.4	8
8	Daily GRACE satellite data evaluate short-term hydro-meteorological fluxes from global atmospheric reanalyses. Scientific Reports, 2020, 10, 4504.	3.3	30
9	Evaluating Gravimetric Polar Motion Excitation Estimates from the RL06 GRACE Monthly-Mean Gravity Field Models. Remote Sensing, 2020, 12, 930.	4.0	11
10	Improved 90-day Earth orientation predictions from angular momentum forecasts of atmosphere, ocean, and terrestrial hydrosphere. Journal of Geodesy, 2019, 93, 287-295.	3.6	40
11	Correcting surface loading at the observation level: impact on global GNSS and VLBI station networks. Journal of Geodesy, 2019, 93, 2003-2017.	3.6	19
12	Seasonal variations in global mean sea level and consequences on the excitation of length-of-day changes. Geophysical Journal International, 2019, 218, 801-816.	2.4	11
13	Predicting Earth orientation changes from global forecasts of atmosphere-hydrosphere dynamics. Advances in Space Research, 2018, 61, 1047-1054.	2.6	48
14	Relocation of River Storage From Global Hydrological Models to Georeferenced River Channels for Improved Load‐Induced Surface Displacements. Journal of Geophysical Research: Solid Earth, 2018, 123, 7151-7164.	3.4	12
15	Ground Deformations around the Toktogul Reservoir, Kyrgyzstan, from Envisat ASAR and Sentinel-1 Data—A Case Study about the Impact of Atmospheric Corrections on InSAR Time Series. Remote Sensing, 2018, 10, 462.	4.0	23
16	A new high-resolution model of non-tidal atmosphere and ocean mass variability for de-aliasing of satellite gravity observations: AOD1B RL06. Geophysical Journal International, 2017, 211, 263-269.	2.4	174
17	Validation of terrestrial water storage variations as simulated by different global numerical models with GRACE satellite observations. Hydrology and Earth System Sciences, 2017, 21, 821-837.	4.9	43
18	The updated ESA Earth System Model for future gravity mission simulation studies. Journal of Geodesy, 2015, 89, 505-513.	3.6	70

#	Article	IF	Citations
19	Applying local Green's functions to study the influence of the crustal structure on hydrological loading displacements. Journal of Geodynamics, 2015, 88, 14-22.	1.6	45
20	A method for reconstructing global ocean-induced surface displacements from land-based in-situ stations. Journal of Geodynamics, 2015, 83, 18-27.	1.6	0
21	Comparison of Daily GRACE Gravity Field and Numerical Water Storage Models for De-aliasing of Satellite Gravimetry Observations. Surveys in Geophysics, 2014, 35, 1251-1266.	4.6	8
22	Combination of modeled short-term angular momentum function forecasts from atmosphere, ocean, and hydrology with 90-day EOP predictions. Journal of Geodesy, 2013, 87, 567-577.	3.6	14
23	Simulating high-frequency atmosphere-ocean mass variability for dealiasing of satellite gravity observations: AOD1B RL05. Journal of Geophysical Research: Oceans, 2013, 118, 3704-3711.	2.6	103
24	Numerical simulations of global-scale high-resolution hydrological crustal deformations. Journal of Geophysical Research: Solid Earth, 2013, 118, 5008-5017.	3.4	163
25	Geophysical Excitation of the Chandler Wobble Revisited. International Association of Geodesy Symposia, 2012, , 499-505.	0.4	8
26	Short-term polar motion forecasts from earth system modeling data. Journal of Geodesy, 2010, 84, 529-536.	3.6	23
27	Seasonal polar motion excitation from numerical models of atmosphere, ocean, and continental hydrosphere. Journal of Geophysical Research, 2010, 115, .	3.3	89