

Rolf Dach

List of Publications by Year in descending order

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Version: 2024-02-01

52
papers

2,709
citations

186265

28
h-index

189892

50
g-index

61
all docs

61
docs citations

61
times ranked

1201
citing authors

#	ARTICLE	IF	CITATIONS
1	GNSS processing at CODE: status report. <i>Journal of Geodesy</i> , 2009, 83, 353-365.	3.6	233
2	CODE's new solar radiation pressure model for GNSS orbit determination. <i>Journal of Geodesy</i> , 2015, 89, 775-791.	3.6	196
3	Absolute IGS antenna phase center model igs08.atx: status and potential improvements. <i>Journal of Geodesy</i> , 2016, 90, 343-364.	3.6	164
4	Apparent clock variations of the Block IIF-1 (SVN62) GPS satellite. <i>GPS Solutions</i> , 2012, 16, 303-313.	4.3	154
5	High-rate GPS clock corrections from CODE: support of 1ÂHz applications. <i>Journal of Geodesy</i> , 2009, 83, 1083-1094.	3.6	153
6	CODE's five-system orbit and clock solutionâ€”the challenges of multi-GNSS data analysis. <i>Journal of Geodesy</i> , 2017, 91, 345-360.	3.6	147
7	Phase center modeling for LEO GPS receiver antennas and its impact on precise orbit determination. <i>Journal of Geodesy</i> , 2009, 83, 1145-1162.	3.6	129
8	Galileo orbit and clock quality of the IGS Multi-GNSS Experiment. <i>Advances in Space Research</i> , 2015, 55, 269-281.	2.6	127
9	Improved Constraints on Models of Glacial Isostatic Adjustment: A Review of the Contribution of Ground-Based Geodetic Observations. <i>Surveys in Geophysics</i> , 2010, 31, 465-507.	4.6	97
10	Satellite laser ranging to GPS and GLONASS. <i>Journal of Geodesy</i> , 2015, 89, 725-743.	3.6	82
11	Multi-technique comparison of troposphere zenith delays and gradients during CONT08. <i>Journal of Geodesy</i> , 2011, 85, 395-413.	3.6	74
12	Geocenter coordinates estimated from GNSS data as viewed by perturbation theory. <i>Advances in Space Research</i> , 2013, 51, 1047-1064.	2.6	73
13	The CODE ambiguity-fixed clock and phase bias analysis products: generation, properties, and performance. <i>Journal of Geodesy</i> , 2021, 95, 1.	3.6	71
14	Time variable Earth's gravity field from SLR satellites. <i>Journal of Geodesy</i> , 2015, 89, 945-960.	3.6	57
15	Combination of GNSS and SLR observations using satellite co-locations. <i>Journal of Geodesy</i> , 2011, 85, 257-272.	3.6	54
16	Impact of the arc length on GNSS analysis results. <i>Journal of Geodesy</i> , 2016, 90, 365-378.	3.6	54
17	Overview of CODE's MGEX solution with the focus on Galileo. <i>Advances in Space Research</i> , 2020, 66, 2786-2798.	2.6	50
18	Contribution of Starlette, Stella, and AJISAI to the SLR-derived global reference frame. <i>Journal of Geodesy</i> , 2014, 88, 789-804.	3.6	47

#	ARTICLE	IF	CITATIONS
19	Time transfer using GPS carrier phase: error propagation and results. <i>Journal of Geodesy</i> , 2003, 77, 1-14.	3.6	46
20	Homogeneous reprocessing of GPS, GLONASS and SLR observations. <i>Journal of Geodesy</i> , 2014, 88, 625-642.	3.6	44
21	Estimation of satellite antenna phase center offsets for Galileo. <i>Journal of Geodesy</i> , 2016, 90, 773-785.	3.6	44
22	Continuous geodetic time-transfer analysis methods. <i>IEEE Transactions on Ultrasonics, Ferroelectrics, and Frequency Control</i> , 2006, 53, 1250-1259.	3.0	43
23	Evaluation of the impact of atmospheric pressure loading modeling on GNSS data analysis. <i>Journal of Geodesy</i> , 2011, 85, 75-91.	3.6	43
24	System-specific systematic errors in earth rotation parameters derived from GPS, GLONASS, and Galileo. <i>GPS Solutions</i> , 2020, 24, 1.	4.3	37
25	Impact of GPS antenna phase center variations on precise orbits of the GOCE satellite. <i>Advances in Space Research</i> , 2011, 47, 1885-1893.	2.6	35
26	Impact of loading displacements on SLR-derived parameters and on the consistency between GNSS and SLR results. <i>Journal of Geodesy</i> , 2013, 87, 751-769.	3.6	35
27	Improved antenna phase center models for GLONASS. <i>GPS Solutions</i> , 2011, 15, 49-65.	4.3	32
28	GNSS scale determination using calibrated receiver and Galileo satellite antenna patterns. <i>Journal of Geodesy</i> , 2020, 94, 1.	3.6	30
29	European Gravity Service for Improved Emergency Management (EGSIEM) – from concept to implementation. <i>Geophysical Journal International</i> , 2019, 218, 1572-1590.	2.4	27
30	Network Effects and Handling of the Geocenter Motion in Multi-GNSS Processing. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 5970-5989.	3.4	27
31	Flight Characterization of New Generation GNSS Satellite Clocks. <i>Navigation, Journal of the Institute of Navigation</i> , 2012, 59, 291-302.	2.8	25
32	GPS clock correction estimation for near real-time orbit determination applications. <i>Aerospace Science and Technology</i> , 2009, 13, 415-422.	4.8	24
33	Geocenter Coordinates from GNSS and Combined GNSS-SLR Solutions Using Satellite Co-locations. <i>International Association of Geodesy Symposia</i> , 2014, , 129-134.	0.4	22
34	GGSP: Realisation and maintenance of the Galileo Terrestrial Reference Frame. <i>Advances in Space Research</i> , 2011, 47, 174-185.	2.6	21
35	The CODE MGEX Orbit and Clock Solution. <i>International Association of Geodesy Symposia</i> , 2015, , 767-773.	0.4	20
36	GNSS related periodic signals in coordinate time-series from Precise Point Positioning. <i>Geophysical Journal International</i> , 2017, 208, 1449-1464.	2.4	19

#	ARTICLE	IF	CITATIONS
37	Review of recent GNSS modelling improvements based on CODEs Repro3 contribution. <i>Advances in Space Research</i> , 2021, 68, 1263-1280.	2.6	19
38	CODE's™ new ultra-rapid orbit and ERP products for the IGS. <i>GPS Solutions</i> , 2016, 20, 239-250.	4.3	18
39	AIUB-CHAMP02S: The influence of GNSS model changes on gravity field recovery using spaceborne GPS. <i>Advances in Space Research</i> , 2010, 45, 215-224.	2.6	17
40	SLR, GRACE and Swarm Gravity Field Determination and Combination. <i>Remote Sensing</i> , 2019, 11, 956.	4.0	17
41	Improving GLONASS orbit quality by re-estimating satellite antenna offsets. <i>Advances in Space Research</i> , 2019, 63, 3835-3847.	2.6	17
42	Dependency of geodynamic parameters on the GNSS constellation. <i>Journal of Geodesy</i> , 2018, 92, 93-104.	3.6	15
43	An empirical solar radiation pressure model for satellites moving in the orbit-normal mode. <i>Advances in Space Research</i> , 2020, 65, 235-250.	2.6	14
44	Effects of unmodelled tidal displacements in GPS and GLONASS coordinate time-series. <i>Geophysical Journal International</i> , 2018, 214, 2195-2206.	2.4	12
45	Sub-daily polar motion from GPS, GLONASS, and Galileo. <i>Journal of Geodesy</i> , 2021, 95, 1.	3.6	11
46	Loading-Induced Deformation Due to Atmosphere, Ocean and Hydrology: Model Comparisons and the Impact on Global SLR, VLBI and GNSS Solutions. <i>International Association of Geodesy Symposia</i> , 2015, , 71-77.	0.4	9
47	A comment on the article "A collinearity diagnosis of the GNSS geocenter determination" by P. Rebischung, Z. Altamimi, and T. Springer. <i>Journal of Geodesy</i> , 2015, 89, 189-194.	3.6	6
48	Long polar motion series: Facts and insights. <i>Advances in Space Research</i> , 2020, 66, 2487-2515.	2.6	6
49	Validation of the EGSIEM-REPRO GNSS Orbits and Satellite Clock Corrections. <i>Remote Sensing</i> , 2020, 12, 2322.	4.0	5
50	Simulation of tracking scenarios to LAGEOS and Etalon satellites. <i>Journal of Geodesy</i> , 2020, 94, 1.	3.6	2
51	Near Real-Time Coordinate Estimation from Double-Difference GNSS Data. <i>International Association of Geodesy Symposia</i> , 2015, , 691-697.	0.4	0
52	Monitoring of Antenna Changes at IGS Stations in Iceland. <i>International Association of Geodesy Symposia</i> , 2015, , 579-585.	0.4	0