Zuheir Altamimi

List of Publications by Year
in descending order

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Version: 2024-02-01

33 papers	3,901 citations	393982 19 h-index	377514 34 g-index
45 all docs	45 docs citations	45 times ranked	2675 citing authors

#	Article	IF	Citations
1	ITRF2008: an improved solution of the international terrestrial reference frame. Journal of Geodesy, 2011, 85, 457-473.	1.6	984
2	ITRF2014: A new release of the International Terrestrial Reference Frame modeling nonlinear station motions. Journal of Geophysical Research: Solid Earth, 2016, 121, 6109-6131.	1.4	936
3	ITRF2000: A new release of the International Terrestrial Reference Frame for earth science applications. Journal of Geophysical Research, 2002, 107, ETG 2-1-ETG 2-19.	3.3	660
4	The IGS contribution to ITRF2014. Journal of Geodesy, 2016, 90, 611-630.	1.6	180
5	ITRF2014 plate motion model. Geophysical Journal International, 2017, 209, 1906-1912.	1.0	140
6	The ITRF96 realization and its associated velocity field. Geophysical Research Letters, 1998, 25, 3223-3226.	1.5	122
7	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.	2.1	97
8	Strategies to mitigate aliasing of loading signals while estimating GPS frame parameters. Journal of Geodesy, 2012, 86, 1-14.	1.6	88
9	Assessment of the accuracy of global geodetic satellite laser ranging observations and estimated impact on ITRF scale: estimation of systematic errors in LAGEOS observations 1993â€“2014. Journal of Geodesy, 2016, 90, 1371-1388.	1.6	69
10	Impact of loading effects on determination of the International Terrestrial Reference Frame. Advances in Space Research, 2010, 45, 144-154.	1.2	60
11	New trends for the realization of the international terrestrial reference system. Advances in Space Research, 2002, 30, 175-184.	1.2	53
12	A collinearity diagnosis of the GNSS geocenter determination. Journal of Geodesy, 2014, 88, 65-85.	1.6	50
13	Quality assessment of GPS reprocessed terrestrial reference frame. GPS Solutions, 2011, 15, 219-231.	2.2	44
14	The impact of a No-Net-Rotation Condition on ITRF2000. Geophysical Research Letters, 2003, 30, 36-1-36-4.	1.5	39
15	On secular geocenter motion: The impact of climate changes. Earth and Planetary Science Letters, 2010, 296, 360-366.	1.8	35
16	KALREFâ€”A Kalman filter and time series approach to the International Terrestrial Reference Frame realization. Journal of Geophysical Research: Solid Earth, 2015, 120, 3775-3802.	1.4	31
17	IDS contribution to ITRF2008. Advances in Space Research, 2010, 46, 1614-1632.	1.2	29
18	Global coseismic deformations, GNSS time series analysis, and earthquake scaling laws. Journal of Geophysical Research: Solid Earth, 2014, 119, 9095-9109.	1.4	23

#	Article	IF	Citations
19	Is there utility in rigorous combinations of VLBI and GPS Earth orientation parameters?. Journal of Geodesy, 2005, 79, 505-511.	1.6	18
20	Quality Assessment of the IDS Contribution to ITRF2008. Advances in Space Research, 2010, 45, 1500-1509.	1.2	15
21	Comparative analysis of different atmospheric surface pressure models and their impacts on daily ITRF2014 GNSS residual time series. Journal of Geodesy, 2020, 94, 1.	1.6	15
22	The Choice of Reference System in ITRF Formulation. International Association of Geodesy Symposia, 2012, , 329-334.	0.2	13
23	ITRF2008 contribution to glacial isostatic adjustment and recent ice melting assessment. Geophysical Research Letters, 2012, 39, .	1.5	13
24	Local effects of redundant terrestrial and GPS-based tie vectors in ITRF-like combinations. Journal of Geodesy, 2009, 83, 1031-1040.	1.6	12
25	Assessment of the possible contribution of space ties on-board GNSS satellites to the terrestrial reference frame. Journal of Geodesy, 2018, 92, 383-399.	1.6	11
26	ITRF2014, Earth Figure Changes, and Geocenter Velocity: Implications for GIA and Recent Ice Melting. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018333.	1.4	9
27	Past and present ITRF solutions from geophysical perspectives. Advances in Space Research, 2020, 65, 2711-2722.	1.2	9
28	Terrestrial reference frame implementation in global GPS analysis at TIGA ULR consortium. Physics and Chemistry of the Earth, 2008, 33, 217-224.	1.2	8
29	Geodesy. , 2017, , 1039-1061.		6
30	The International Terrestrial Reference Frame: lessons from ITRF2014. Rendiconti Lincei, 2018, 29, 23-28.	1.0	5
31	Fiducial reference systems for time and coordinates in satellite altimetry. Advances in Space Research, 2021, 68, 1140-1160.	1.2	5
32	Review of Reference Frame Representations for a Deformable Earth. International Association of Geodesy Symposia, 2019, , 51-56.	0.2	3
33	Assessment of geocenter motion estimates from the IGS second reprocessing. GPS Solutions, 2020, 24, 1.	2.2	3