

Pascal Willis

List of Publications by Year in descending order

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63
papers

2,988
citations

117625

34
h-index

161849

54
g-index

78
all docs

78
docs citations

78
times ranked

1994
citing authors

#	ARTICLE	IF	CITATIONS
1	Plate Motion of India and Interseismic Strain in the Nepal Himalaya from GPS and DORIS Measurements. <i>Journal of Geodesy</i> , 2006, 80, 567-589.	3.6	289
2	The angular velocities of the plates and the velocity of Earth's centre from space geodesy. <i>Geophysical Journal International</i> , 2010, 180, 913-960.	2.4	221
3	GipsyX/RTGx, a new tool set for space geodetic operations and research. <i>Advances in Space Research</i> , 2020, 66, 469-489.	2.6	163
4	The International DORIS Service (IDS): Toward maturity. <i>Advances in Space Research</i> , 2010, 45, 1408-1420.	2.6	135
5	Precision Orbit Determination Standards for the Jason Series of Altimeter Missions. <i>Marine Geodesy</i> , 2010, 33, 379-418.	2.0	120
6	One-Centimeter Orbit Determination for Jason-1: New GPS-Based Strategies. <i>Marine Geodesy</i> , 2004, 27, 299-318.	2.0	119
7	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
8	Towards development of a consistent orbit series for TOPEX, Jason-1, and Jason-2. <i>Advances in Space Research</i> , 2010, 46, 1513-1540.	2.6	88
9	A new velocity field for Africa from combined GPS and DORIS space geodetic Solutions: Contribution to the definition of the African reference frame (AFREF). <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 1677-1697.	3.4	83
10	Comportement de l'oscillateur DORIS/Jason au passage de l'anomalie sud-atlantique. <i>Comptes Rendus - Geoscience</i> , 2004, 336, 839-846.	1.2	77
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	The International DORIS Service: genesis and early achievements. <i>Journal of Geodesy</i> , 2006, 80, 403-417.	3.6	70
13	Multi-technique comparison of tropospheric zenith delays derived during the CONT02 campaign. <i>Journal of Geodesy</i> , 2006, 79, 613-623.	3.6	67
14	Terrestrial reference frame effects on global sea level rise determination from TOPEX/Poseidon altimetric data. <i>Advances in Space Research</i> , 2005, 36, 358-368.	2.6	58
15	Error Analysis of Weekly Station Coordinates in the DORIS Network. <i>Journal of Geodesy</i> , 2006, 80, 525-539.	3.6	58
16	Effects of thermosphere total density perturbations on LEO orbits during severe geomagnetic conditions (Octâ€Nov 2003) using DORIS and SLR data. <i>Advances in Space Research</i> , 2005, 36, 522-533.	2.6	54
17	Plate kinematics of Nubiaâ€Somalia using a combined DORIS and GPS solution. <i>Journal of Geodesy</i> , 2006, 80, 591-607.	3.6	51
18	Improving DORIS geocenter time series using an empirical rescaling of solar radiation pressure models. <i>Advances in Space Research</i> , 2009, 44, 1279-1287.	2.6	51

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19	The International DORIS Service contribution to the 2014 realization of the International Terrestrial Reference Frame. <i>Advances in Space Research</i> , 2016, 58, 2479-2504.	2.6	50
20	DPOD2005: An extension of ITRF2005 for Precise Orbit Determination. <i>Advances in Space Research</i> , 2009, 44, 535-544.	2.6	47
21	The International DORIS Service. <i>Advances in Space Research</i> , 2005, 36, 333-341.	2.6	46
22	Systematic biases in DORIS-derived geocenter time series related to solar radiation pressure mis-modeling. <i>Journal of Geodesy</i> , 2009, 83, 849-858.	3.6	45
23	DORIS/SLR POD modeling improvements for Jason-1 and Jason-2. <i>Advances in Space Research</i> , 2010, 46, 1541-1558.	2.6	45
24	DORIS: From orbit determination for altimeter missions to geodesy. <i>Comptes Rendus - Geoscience</i> , 2006, 338, 968-979.	1.2	42
25	An inter-comparison of zenith tropospheric delays derived from DORIS and GPS data. <i>Advances in Space Research</i> , 2010, 46, 1648-1660.	2.6	42
26	Troposphere delays from space geodetic techniques, water vapor radiometers, and numerical weather models over a series of continuous VLBI campaigns. <i>Journal of Geodesy</i> , 2013, 87, 981-1001.	3.6	41
27	Topex/Jason combined GPS/DORIS orbit determination in the tandem phase. <i>Advances in Space Research</i> , 2003, 31, 1941-1946.	2.6	40
28	Terrestrial reference frame requirements within GGOS perspective. <i>Journal of Geodynamics</i> , 2005, 40, 363-374.	1.6	39
29	A high-quality, homogenized, global, long-term (1993-2008) DORIS precipitable water data set for climate monitoring and model verification. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 7209-7230.	3.3	38
30	External validation of the GRACE GGM01C gravity field using GPS and DORIS positioning results. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	4.0	36
31	Defining a DORIS core network for Jason-1 precise orbit determination based on ITRF2000: methods and realization. <i>Journal of Geodesy</i> , 2005, 79, 370-378.	3.6	35
32	DORIS as a potential part of a Global Geodetic Observing System. <i>Journal of Geodynamics</i> , 2005, 40, 494-501.	1.6	35
33	Refining DORIS atmospheric drag estimation in preparation of ITRF2008. <i>Advances in Space Research</i> , 2010, 46, 1566-1577.	2.6	34
34	Contributions of the French Institut Géographique National (IGN) to the International DORIS Service. <i>Advances in Space Research</i> , 2010, 45, 1470-1480.	2.6	31
35	Systematic errors in the Z-geocenter derived using satellite tracking data: a case study from SPOT-4 DORIS data in 1998. <i>Journal of Geodesy</i> , 2006, 79, 567-572.	3.6	30
36	Initial Orbit Determination Results for Jason-1: Towards a 1 cm Orbit. <i>Navigation, Journal of the Institute of Navigation</i> , 2003, 50, 171-180.	2.8	29

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37	Investigating tropospheric effects and seasonal position variations in GPS and DORIS time-series from the Nepal Himalaya. <i>Geophysical Journal International</i> , 2009, 178, 1246-1259.	2.4	29
38	IDS contribution to ITRF2008. <i>Advances in Space Research</i> , 2010, 46, 1614-1632.	2.6	29
39	Isostatic stability of the East Antarctic station Dumont d'Urville from long-term geodetic observations and geophysical models. <i>Polar Research</i> , 2009, 28, 193-202.	1.6	22
40	The kinematics of Ny-Ålesund from space geodetic data. <i>Journal of Geodynamics</i> , 2009, 48, 37-46.	1.6	22
41	Evidence for a slow subsidence of the Tahiti Island from GPS, DORIS, and combined satellite altimetry and tide gauge sea level records. <i>Comptes Rendus - Geoscience</i> , 2011, 343, 331-341.	1.2	22
42	DORIS satellite antenna maps derived from long-term residuals time series. <i>Advances in Space Research</i> , 2005, 36, 486-497.	2.6	18
43	Is the Jason-2 DORIS oscillator also affected by the South Atlantic Anomaly?. <i>Advances in Space Research</i> , 2016, 58, 2617-2627.	2.6	17
44	DORIS satellite phase center determination and consequences on the derived scale of the Terrestrial Reference Frame. <i>Advances in Space Research</i> , 2007, 39, 1589-1596.	2.6	16
45	DPOD2014: A new DORIS extension of ITRF2014 for precise orbit determination. <i>Advances in Space Research</i> , 2019, 63, 118-138.	2.6	15
46	Analysis of DORIS range-rate residuals for TOPEX/Poseidon, Jason, Envisat and SPOT. <i>Acta Astronautica</i> , 2007, 60, 611-621.	3.2	14
47	Analysis of a possible future degradation in the DORIS geodetic results related to changes in the satellite constellation. <i>Advances in Space Research</i> , 2007, 39, 1582-1588.	2.6	13
48	A case study of using Raman lidar measurements in high-accuracy GPS applications. <i>Journal of Geodesy</i> , 2010, 84, 251-265.	3.6	13
49	Recent Improvements in DORIS Data Processing at IGN in View of ITRF2008, the ignwd08 Solution. <i>International Association of Geodesy Symposia</i> , 2012, , 43-49.	0.4	13
50	Potential volcanological applications of the DORIS system. A geodetic study of the Socorro Island (Mexico) coordinate time-series. <i>Geophysical Journal International</i> , 2009, 178, 581-590.	2.4	12
51	New Zealand 20th century sea level rise: Resolving the vertical land motion using space geodetic and geological data. <i>Journal of Geophysical Research: Oceans</i> , 2013, 118, 6076-6091.	2.6	11
52	DORIS applications for solid earth and atmospheric sciences. <i>Comptes Rendus - Geoscience</i> , 2007, 339, 949-959.	1.2	10
53	The International DORIS Service (IDS): Recent Developments in Preparation for ITRF2013. <i>International Association of Geodesy Symposia</i> , 2015, , 631-640.	0.4	10
54	Estimating Horizontal Tropospheric Gradients in DORIS Data Processing: Preliminary Results. <i>International Association of Geodesy Symposia</i> , 2012, , 1013-1019.	0.4	8

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55	Horizontal and vertical velocities derived from the IDS contribution to ITRF2014, and comparisons with geophysical models. <i>Geophysical Journal International</i> , 2016, 207, 209-227.	2.4	7
56	DORIS and GPS monitoring of the Gavdos calibration site in Crete. <i>Advances in Space Research</i> , 2013, 51, 1438-1447.	2.6	6
57	Multi-technique comparison of atmospheric parameters at the DORIS co-location sites during CONT14. <i>Advances in Space Research</i> , 2016, 58, 2758-2773.	2.6	5
58	Preface Scientific applications of Galileo and other Global Navigation Satellite Systems (I). <i>Advances in Space Research</i> , 2011, 47, 173.	2.6	3
59	IAG History: The Years of World Wars and Aftermath (1917â€“1959). <i>International Association of Geodesy Symposia</i> , 2015, , 19-25.	0.4	3
60	IGEX-98: International GLONASS Experiment. <i>GPS Solutions</i> , 1999, 3, 66-68.	4.3	1
61	U-SBAS: A universal multi-SBAS standard to ensure compatibility, interoperability and interchangeability. , 2010, , .		1
62	Potential Interests of the IGS for the Galileo System. <i>GPS Solutions</i> , 2001, 4, 68-71.	4.3	0
63	DORIS: Scientific applications in geodesy and geodynamics. <i>Advances in Space Research</i> , 2010, 45, 1407.	2.6	0