Donald Argus

List of Publications by Year
in descending order

49 papers	13,705 citations	126907 33 h-index	197818 49 g-index
50 all docs	50 docs citations	50 times ranked	8641 citing authors

#	Article	IF	Citations
1	A Review of GNSS/GPS in Hydrogeodesy: Hydrologic Loading Applications and Their Implications for Water Resource Research. Water Resources Research, 2022, 58, .	4.2	30
2	The Viscosity of the Top Third of the Lower Mantle Estimated Using GPS, GRACE, and Relative Sea Level Measurements of Glacial Isostatic Adjustment. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021537.	3.4	20
3	Rise of Great Lakes Surface Water, Sinking of the Upper Midwest of the United States, and Viscous Collapse of the Forebulge of the Former Laurentide Ice Sheet. Journal of Geophysical Research: Solid Earth, 2020, 125, e2020JB019739.	3.4	19
4	Atmospheric pressure loading in GPS positions: dependency on GPS processing methods and effect on assessment of seasonal deformation in the contiguous USA and Alaska. Journal of Geodesy, 2020, 94, 1.	3.6	25
5	Downscaling Vertical GPS Observations to Derive Watershedâ€Scale Hydrologic Loading in the Northern Rockies. Water Resources Research, 2019, 55, 391-401.	4.2	30
6	Comment on â€œAn Assessment of the ICEâ€6G_C (VM5a) Glacial Isostatic Adjustment Modelâ€•by Purcell et al.. Journal of Geophysical Research: Solid Earth, 2018, 123, 2019-2028.	3.4	232
7	Tracking the weight of Hurricane Harveyâ€™s stormwater using GPS data. Science Advances, 2018, 4, eaau2477.	10.3	62
8	Interseismic Strain Accumulation on Faults Beneath Los Angeles, California. Journal of Geophysical Research: Solid Earth, 2018, 123, 7126.	3.4	11
9	Sustained Groundwater Loss in California's Central Valley Exacerbated by Intense Drought Periods. Water Resources Research, 2018, 54, 4449-4460.	4.2	95
10	Multivariate analysis of GPS position time series of JPL second reprocessing campaign. Journal of Geodesy, 2017, 91, 685-704.	3.6	40
11	Sustained Water Loss in California's Mountain Ranges During Severe Drought From 2012 to 2015 Inferred From GPS. Journal of Geophysical Research: Solid Earth, 2017, 122, 10,559.	3.4	115
12	Aquifer Mechanical Properties and Decelerated Compaction in Tucson, Arizona. Journal of Geophysical Research: Solid Earth, 2017, 122, 8402-8416.	3.4	53
13	GRACE Groundwater Drought Index: Evaluation of California Central Valley groundwater drought. Remote Sensing of Environment, 2017, 198, 384-392.	11.0	196
14	Space geodesy constrains ice age terminal deglaciation: The global ICEâ€6G_C (VM5a) model. Journal of Geophysical Research: Solid Earth, 2015, 120, 450-487.	3.4	890
15	GPS as an independent measurement to estimate terrestrial water storage variations in Washington and Oregon. Journal of Geophysical Research: Solid Earth, 2015, 120, 552-566.	3.4	136
16	External Evaluation of the Terrestrial Reference Frame: Report of the Task Force of the IAG Sub-commission 1.2. International Association of Geodesy Symposia, 2014, , 197-202.	0.4	20
17	Seasonal variation in total water storage in California inferred from GPS observations of vertical land motion. Geophysical Research Letters, 2014, 41, 1971-1980.	4.0	220
18	The Antarctica component of postglacial rebound model ICE-6G_C (VM5a) based on GPS positioning, exposure age dating of ice thicknesses, and relative sea level histories. Geophysical Journal International, 2014, 198, 537-563.	2.4	365

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19	Horizontal motion in elastic response to seasonal loading of rain water in the Amazon Basin and monsoon water in Southeast Asia observed by GPS and inferred from GRACE. Geophysical Research Letters, 2013, 40, 6048-6053.	4.0	87
20	Uncertainty in the velocity between the mass center and surface of Earth. Journal of Geophysical Research, 2012, 117, .	3.3	39
21	Geologically current motion of 56 plates relative to the no-net-rotation reference frame. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	2.5	455
22	Rise of the Ellsworth mountains and parts of the East Antarctic coast observed with GPS. Geophysical Research Letters, 2011, 38, n/a-n/a.	4.0	28
23	The angular velocities of the plates and the velocity of Earth's centre from space geodesy. Geophysical Journal International, 2010, 180, 913-960.	2.4	221
24	Geologically current plate motions. Geophysical Journal International, 2010, 181, 1-80.	2.4	2,076
25	Constraining models of postglacial rebound using space geodesy: a detailed assessment of model ICE-5G (VM2) and its relatives. Geophysical Journal International, 2010, , .	2.4	65
26	Space geodetic test of kinematic models for the Indo-Australian composite plate. Geology, 2008, 36, 827.	4.4	14
27	Defining the translational velocity of the reference frame of Earth. Geophysical Journal International, 2007, 169, 830-838.	2.4	72
28	The angular velocity of Nubia relative to Somalia and the location of the Nubia-Somalia-Antarctica triple junction. Geophysical Journal International, 2005, 162, 221-238.	2.4	45
29	Interseismic strain accumulation and anthropogenic motion in metropolitan Los Angeles. Journal of Geophysical Research, 2005, 110, .	3.3	95
30	An estimate of motion between the spin axis and the hotspots over the past century. Geophysical Research Letters, 2004, 31, n/a-n/a.	4.0	29
31	Large-scale global surface mass variations inferred from GPS measurements of load-induced deformation. Geophysical Research Letters, 2003, 30, .	4.0	68
32	Comparison of a GPS-defined global reference frame with ITRF2000. GPS Solutions, 2002, 6, 72-75.	4.3	23
33	Present tectonic motion across the Coast Ranges and San Andreas fault system in central California. Bulletin of the Geological Society of America, 2001, 113, 1580-1592.	3.3	181
34	The coseismic geodetic signature of the 1999 Hector Mine earthquake. Geophysical Research Letters, 2000, 27, 2733-2736.	4.0	26
35	Glacial isostatic adjustment observed using very long baseline interferometry and satellite laser ranging geodesy. Journal of Geophysical Research, 1999, 104, 29077-29093.	3.3	51
36	Shortening and thickening of metropolitan Los Angeles measured and inferred by using geodesy. Geology, 1999, 27, 703.	4.4	45

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37	Glacial isostatic adjustment observed using very long baseline interferometry and satellite laser ranging geodesy. Journal of Geophysical Research, 1999, 104, 29077-29094.	3.3	23
38	Tests of the rigid-plate hypothesis and bounds on intraplate deformation using geodetic data from very long baseline interferometry. Journal of Geophysical Research, 1996, 101, 13555-13572.	3.3	87
39	Postglacial rebound from VLBI geodesy: On establishing vertical reference. Geophysical Research Letters, 1996, 23, 973-976.	4.0	33
40	Plate motion and crustal deformation estimated with geodetic data from the Global Positioning System. Geophysical Research Letters, 1995, 22, 1973-1976.	4.0	122
41	Site velocities before and after the Loma Prieta and Gulf of Alaska earthquakes determined from VLBI. Geophysical Research Letters, 1994, 21, 333-336.	4.0	10
42	Effect of recent revisions to the geomagnetic reversal time scale on estimates of current plate motions. Geophysical Research Letters, 1994, 21, 2191-2194.	4.0	2,961
43	Constraints on interseismic deformation at Japan Trench from VLBI data. Geophysical Research Letters, 1993, 20, 611-614.	4.0	8
44	Noâ€netâ€rotation model of current plate velocities incorporating plate motion model NUVELâ€1. Geophysical Research Letters, 1991, 18, 2039-2042.	4.0	355
45	Current Sierra Nevada-North America motion from very long baseline interferometry:Implications for the kinematics of the western United States. Geology, 1991, 19, 1085.	4.4	176
46	Current plate motions. Geophysical Journal International, 1990, 101, 425-478.	2.4	3,443
47	Kinematic constraints on distributed lithospheric deformation in the equatorial Indian Ocean from present motion between the Australian and Indian Plates. Tectonics, 1990, 9, 409-422.	2.8	126
48	Statistical tests for closure of plate motion circuits. Geophysical Research Letters, 1987, 14, 587-590.	4.0	49
49	A revised estimate of Pacificâ€North America motion and implications for Western North America Plate boundary zone tectonics. Geophysical Research Letters, 1987, 14, 911-914.	4.0	133