Peter J Clarke

List of Publications by Year
in descending order

55 papers	2,405 citations	201385 27 h-index	205818 48 g-index
70 all docs	70 docs citations	70 times ranked	2297 citing authors

#	Article	IF	Citations
1	GPSâ€Observed Elastic Deformation Due to Surface Mass Balance Variability in the Southern Antarctic Peninsula. Geophysical Research Letters, 2022, 49, .	1.5	5
2	Improved Hydrological Loading Models in South America: Analysis of GPS Displacements Using M-SSA. Remote Sensing, 2021, 13, 1605.	1.8	8
3	Joint Inversion of Geodetic Observations and Relative Weightingâ€"The 1999 Mw 7.6 Chi-Chi Earthquake Revisited. Remote Sensing, 2020, 12, 3125.	1.8	2
4	Effect of antenna snow intrusion on vertical GPS position time series in Antarctica. Journal of Geodesy, 2020, 94, 1.	1.6	9
5	Asthenospheric anelasticity effects on ocean tide loading around the East China Sea observed with GPS. Solid Earth, 2020, 11, 185-197.	1.2	16
6	Benefits of combining GPS and GLONASS for measuring ocean tide loading displacement. Journal of Geodesy, 2020, 94, 1.	1.6	21
7	Seasonal Surface Loading Helps Constrain Shortâ€Term Viscosity of the Asthenosphere. Geophysical Research Letters, 2018, 45, 2349-2351.	1.5	4
8	Evaluation of the Stability of the Darbandikhan Dam after the 12 November 2017 Mw 7.3 Sarpol-e Zahab (Iranâ€"Iraq Border) Earthquake. Remote Sensing, 2018, 10, 1426.	1.8	19
9	Altimetry, gravimetry, GPS and viscoelastic modeling data for the joint inversion for glacial isostatic adjustment in Antarctica (ESA STSE Project REGINA). Earth System Science Data, 2018, 10, 493-523.	3.7	13
10	Joint inversion estimate of regional glacial isostatic adjustment in Antarctica considering a lateral varying Earth structure (ESA STSE Project REGINA). Geophysical Journal International, 2017, 211, 1534-1553.	1.0	31
11	Kinematic GNSS Estimation of Zenith Wet Delay over a Range of Altitudes. Journal of Atmospheric and Oceanic Technology, 2016, 33, 3-15.	0.5	14
12	Spatial and temporal Antarctic Ice Sheet mass trends, glacioâ€isostatic adjustment, and surface processes from a joint inversion of satellite altimeter, gravity, and GPS data. Journal of Geophysical Research F: Earth Surface, 2016, 121, 182-200.	1.0	94
13	Glacial isostatic adjustment in response to changing Late Holocene behaviour of ice streams on the Siple Coast, West Antarctica. Geophysical Journal International, 2016, 205, 1-21.	1.0	17
14	Computationally Efficient Tsunami Modeling on Graphics Processing Units (GPUs). International Journal of Offshore and Polar Engineering, 2016, 26, 154-160.	0.3	15
15	Ocean tide loading displacements in western Europe: 2. GPSâ€observed anelastic dispersion in the asthenosphere. Journal of Geophysical Research: Solid Earth, 2015, 120, 6540-6557.	1.4	52
16	Ocean tide loading displacements in western Europe: 1. Validation of kinematic GPS estimates. Journal of Geophysical Research: Solid Earth, 2015, 120, 6523-6539.	1.4	44
17	Collinearity assessment of geocentre coordinates derived from multi-satellite SLR data. Journal of Geodesy, 2015, 89, 1197-1216.	1.6	5
18	Enhancement of the accuracy of single-epoch GPS positioning for long baselines by local ionospheric modelling. GPS Solutions, 2014, 18, 453-460.	2.2	4

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19	Rapid bedrock uplift in the Antarctic Peninsula explained by viscoelastic response to recent ice unloading. Earth and Planetary Science Letters, 2014, 397, 32-41.	1.8	122
20	Secular changes in Earthâ€™s shape and surface mass loading derived from combinations of reprocessed global GPS networks. Journal of Geodesy, 2014, 88, 839-855.	1.6	9
21	King Receives 2012 Geodesy Section Award: Citation. Eos, 2013, 94, 402-402.	0.1	0
22	Increased ice loading in the Antarctic Peninsula since the 1850s and its effect on glacial isostatic adjustment. Geophysical Research Letters, 2012, 39, .	1.5	31
23	Precipitable water vapor estimates from homogeneously reprocessed GPS data: An intertechnique comparison in Antarctica. Journal of Geophysical Research, 2011, 116, .	3.3	46
24	Widespread low rates of Antarctic glacial isostatic adjustment revealed by GPS observations. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	92
25	Ocean tides in the Weddell Sea: New observations on the Filchner-Ronne and Larsen C ice shelves and model validation. Journal of Geophysical Research, 2011, 116, .	3.3	29
26	Correction to â€œOcean tides in the Weddell Sea: New observations on the Filchner-Ronne and Larsen C ice shelves and model validationâ€• Journal of Geophysical Research, 2011, 116, .	3.3	4
27	LightSquared: a continuing threat to GNSS?. Astronomy and Geophysics, 2011, 52, 5.04-5.04.	0.1	1
28	An Examination of Network RTK GPS Services in Great Britain. Survey Review, 2010, 42, 107-121.	0.7	48
29	Using Filtered and Semicontinuous High Rate GPS for Monitoring Deformations. Journal of Surveying Engineering, - ASCE, 2010, 136, 72-79.	1.0	7
30	OCEAN TIDE LOADING AND RELATIVE GNSS IN THE BRITISH ISLES. Survey Review, 2010, 42, 212-228.	0.7	0
31	J2: An evaluation of new estimates from GPS, GRACE, and load models compared to SLR. Geophysical Research Letters, 2010, 37, .	1.5	17
32	Consistency of Earth Rotation, Gravity, and Shape Measurements. International Association of Geodesy Symposia, 2009, , 463-471.	0.2	2
33	Subdaily signals in GPS observations and their effect at semiannual and annual periods. Geophysical Research Letters, 2008, 35, .	1.5	67
34	A Validation of Ocean Tide Models Around Antarctica Using GPS Measurements. , 2008, , 211-235.		7
35	Basis functions for the consistent and accurate representation of surface mass loading. Geophysical Journal International, 2007, 171, 1-10.	1.0	13
36	GPS sidereal filtering: coordinate- and carrier-phase-level strategies. Journal of Geodesy, 2007, 81, 325-335.	1.6	103

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37	A comparison of GPS, VLBI and model estimates of ocean tide loading displacements. Journal of Geodesy, 2007, 81, 359-368.	1.6	38
38	Geocenter motions from GPS: A unified observation model. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	72
39	Choice of optimal averaging radii for temporal GRACE gravity solutions, a comparison with GPS and satellite altimetry. Geophysical Journal International, 2006, 166, 1-11.	1.0	43
40	GEODETIC MEASUREMENTS IN THE AEGEAN SEA REGION FOR THE DETECTION OF CRUSTAL DEFORMATION. , 2006, , 287-304.		1
41	Application of Clebsch-Gordan Coefficients and Isomorphic Frame Transformations to Invert Earthâ€™s Changing Geometrical Shape for Continental Hydrological Loading and Sea Levelâ€™s Passive Response. , 2005, , 518-523.		3
42	A geomatics data integration technique for coastal change monitoring. Earth Surface Processes and Landforms, 2005, 30, 651-664.	1.2	95
43	Validation of ocean tide models around Antarctica using onshore GPS and gravity data. Journal of Geophysical Research, 2005, 110, .	3.3	58
44	Effect of gravitational consistency and mass conservation on seasonal surface mass loading models. Geophysical Research Letters, 2005, 32, .	1.5	46
45	Degree-2 harmonics of the Earth's mass load estimated from GPS and Earth rotation data. Geophysical Research Letters, 2004, 31, n/a-n/a.	1.5	34
46	Stability of direct GPS estimates of ocean tide loading. Geophysical Research Letters, 2004, 31, .	1.5	41
47	Geodetic strain in peninsular Italy between 1875 and 2001. Geophysical Research Letters, 2003, 30, .	1.5	127
48	Inversion of Earth's changing shape to weigh sea level in static equilibrium with surface mass redistribution. Journal of Geophysical Research, 2003, 108, .	3.3	75
49	A New Global Mode of Earth Deformation: Seasonal Cycle Detected. Science, 2001, 294, 2342-2345.	6.0	288
50	Source parameters of the 1 October 1995 Dinar (Turkey) earthquake from SAR interferometry and seismic bodywave modelling. Earth and Planetary Science Letters, 1999, 172, 23-37.	1.8	144
51	Crustal strain in central Greece from repeated GPS measurements in the interval 1989-1997. Geophysical Journal International, 1998, 135, 195-214.	1.0	188
52	Reply [to â€œComment on â€˜Geodetic investigation of the 13 May Kozani-Grevena (Greece) Earthquakeâ€™ by Clarke et al.â€]. Geophysical Research Letters, 1998, 25, 131-133.	1.5	4
53	Geodetic investigation of the 13 May 1995 Kozani-Grevena (Greece) Earthquake. Geophysical Research Letters, 1997, 24, 707-710.	1.5	80
54	Geodetic estimate of seismic hazard in the Gulf of Korinthos. Geophysical Research Letters, 1997, 24, 1303-1306.	1.5	94

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55	A GNSS velocity field for crustal deformation studies: The influence of glacial isostatic adjustment on plate motion models. Geophysical Journal International, 0, , .	1.0	2