

Peter J Clarke

List of Publications by Year in descending order

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Version: 2024-02-01

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	A New Global Mode of Earth Deformation: Seasonal Cycle Detected. <i>Science</i> , 2001, 294, 2342-2345.	6.0	288
2	Crustal strain in central Greece from repeated GPS measurements in the interval 1989-1997. <i>Geophysical Journal International</i> , 1998, 135, 195-214.	1.0	188
3	Source parameters of the 1 October 1995 Dinar (Turkey) earthquake from SAR interferometry and seismic bodywave modelling. <i>Earth and Planetary Science Letters</i> , 1999, 172, 23-37.	1.8	144
4	Geodetic strain in peninsular Italy between 1875 and 2001. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	127
5	Rapid bedrock uplift in the Antarctic Peninsula explained by viscoelastic response to recent ice unloading. <i>Earth and Planetary Science Letters</i> , 2014, 397, 32-41.	1.8	122
6	GPS sidereal filtering: coordinate- and carrier-phase-level strategies. <i>Journal of Geodesy</i> , 2007, 81, 325-335.	1.6	103
7	A geomatics data integration technique for coastal change monitoring. <i>Earth Surface Processes and Landforms</i> , 2005, 30, 651-664.	1.2	95
8	Geodetic estimate of seismic hazard in the Gulf of Korinthos. <i>Geophysical Research Letters</i> , 1997, 24, 1303-1306.	1.5	94
9	Spatial and temporal Antarctic Ice Sheet mass trends, glacioisostatic adjustment, and surface processes from a joint inversion of satellite altimeter, gravity, and GPS data. <i>Journal of Geophysical Research F: Earth Surface</i> , 2016, 121, 182-200.	1.0	94
10	Widespread low rates of Antarctic glacial isostatic adjustment revealed by GPS observations. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	92
11	Geodetic investigation of the 13 May 1995 Kozani-Grevena (Greece) Earthquake. <i>Geophysical Research Letters</i> , 1997, 24, 707-710.	1.5	80
12	Inversion of Earth's changing shape to weigh sea level in static equilibrium with surface mass redistribution. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	75
13	Geocenter motions from GPS: A unified observation model. <i>Journal of Geophysical Research</i> , 2006, 111, n/a-n/a.	3.3	72
14	Subdaily signals in GPS observations and their effect at semiannual and annual periods. <i>Geophysical Research Letters</i> , 2008, 35, .	1.5	67
15	Validation of ocean tide models around Antarctica using onshore GPS and gravity data. <i>Journal of Geophysical Research</i> , 2005, 110, .	3.3	58
16	Ocean tide loading displacements in western Europe: 2. GPS-observed anelastic dispersion in the asthenosphere. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 6540-6557.	1.4	52
17	An Examination of Network RTK GPS Services in Great Britain. <i>Survey Review</i> , 2010, 42, 107-121.	0.7	48
18	Effect of gravitational consistency and mass conservation on seasonal surface mass loading models. <i>Geophysical Research Letters</i> , 2005, 32, .	1.5	46

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19	Precipitable water vapor estimates from homogeneously reprocessed GPS data: An intertechnique comparison in Antarctica. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	46
20	Ocean tide loading displacements in western Europe: 1. Validation of kinematic GPS estimates. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 6523-6539.	1.4	44
21	Choice of optimal averaging radii for temporal GRACE gravity solutions, a comparison with GPS and satellite altimetry. <i>Geophysical Journal International</i> , 2006, 166, 1-11.	1.0	43
22	Stability of direct GPS estimates of ocean tide loading. <i>Geophysical Research Letters</i> , 2004, 31, .	1.5	41
23	A comparison of GPS, VLBI and model estimates of ocean tide loading displacements. <i>Journal of Geodesy</i> , 2007, 81, 359-368.	1.6	38
24	Degree-2 harmonics of the Earth's mass load estimated from GPS and Earth rotation data. <i>Geophysical Research Letters</i> , 2004, 31, n/a-n/a.	1.5	34
25	Increased ice loading in the Antarctic Peninsula since the 1850s and its effect on glacial isostatic adjustment. <i>Geophysical Research Letters</i> , 2012, 39, .	1.5	31
26	Joint inversion estimate of regional glacial isostatic adjustment in Antarctica considering a lateral varying Earth structure (ESA STSE Project REGINA). <i>Geophysical Journal International</i> , 2017, 211, 1534-1553.	1.0	31
27	Ocean tides in the Weddell Sea: New observations on the Filchner-Ronne and Larsen C ice shelves and model validation. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	29
28	Benefits of combining GPS and GLONASS for measuring ocean tide loading displacement. <i>Journal of Geodesy</i> , 2020, 94, 1.	1.6	21
29	Evaluation of the Stability of the Darbandikhan Dam after the 12 November 2017 Mw 7.3 Sarpol-e Zahab (Iranâ€“Iraq Border) Earthquake. <i>Remote Sensing</i> , 2018, 10, 1426.	1.8	19
30	J2: An evaluation of new estimates from GPS, GRACE, and load models compared to SLR. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	17
31	Glacial isostatic adjustment in response to changing Late Holocene behaviour of ice streams on the Siple Coast, West Antarctica. <i>Geophysical Journal International</i> , 2016, 205, 1-21.	1.0	17
32	Asthenospheric anelasticity effects on ocean tide loading around the East China Sea observed with GPS. <i>Solid Earth</i> , 2020, 11, 185-197.	1.2	16
33	Computationally Efficient Tsunami Modeling on Graphics Processing Units (GPUs). <i>International Journal of Offshore and Polar Engineering</i> , 2016, 26, 154-160.	0.3	15
34	Kinematic GNSS Estimation of Zenith Wet Delay over a Range of Altitudes. <i>Journal of Atmospheric and Oceanic Technology</i> , 2016, 33, 3-15.	0.5	14
35	Basis functions for the consistent and accurate representation of surface mass loading. <i>Geophysical Journal International</i> , 2007, 171, 1-10.	1.0	13
36	Altimetry, gravimetry, GPS and viscoelastic modeling data for the joint inversion for glacial isostatic adjustment in Antarctica (ESA STSE Project REGINA). <i>Earth System Science Data</i> , 2018, 10, 493-523.	3.7	13

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37	Secular changes in Earth's shape and surface mass loading derived from combinations of reprocessed global GPS networks. <i>Journal of Geodesy</i> , 2014, 88, 839-855.	1.6	9
38	Effect of antenna snow intrusion on vertical GPS position time series in Antarctica. <i>Journal of Geodesy</i> , 2020, 94, 1.	1.6	9
39	Improved Hydrological Loading Models in South America: Analysis of GPS Displacements Using M-SSA. <i>Remote Sensing</i> , 2021, 13, 1605.	1.8	8
40	Using Filtered and Semicontinuous High Rate GPS for Monitoring Deformations. <i>Journal of Surveying Engineering</i> , - ASCE, 2010, 136, 72-79.	1.0	7
41	A Validation of Ocean Tide Models Around Antarctica Using GPS Measurements. , 2008, , 211-235.		7
42	Collinearity assessment of geocentre coordinates derived from multi-satellite SLR data. <i>Journal of Geodesy</i> , 2015, 89, 1197-1216.	1.6	5
43	GPS-Observed Elastic Deformation Due to Surface Mass Balance Variability in the Southern Antarctic Peninsula. <i>Geophysical Research Letters</i> , 2022, 49, .	1.5	5
44	Reply [to "Comment on "Geodetic investigation of the 13 May Kozani-Grevena (Greece) Earthquake" by Clarke et al.]. <i>Geophysical Research Letters</i> , 1998, 25, 131-133.	1.5	4
45	Correction to "Ocean tides in the Weddell Sea: New observations on the Filchner-Ronne and Larsen C ice shelves and model validation". <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	4
46	Enhancement of the accuracy of single-epoch GPS positioning for long baselines by local ionospheric modelling. <i>GPS Solutions</i> , 2014, 18, 453-460.	2.2	4
47	Seasonal Surface Loading Helps Constrain Short-Term Viscosity of the Asthenosphere. <i>Geophysical Research Letters</i> , 2018, 45, 2349-2351.	1.5	4
48	Application of Clebsch-Gordan Coefficients and Isomorphic Frame Transformations to Invert Earth's Changing Geometrical Shape for Continental Hydrological Loading and Sea Level's Passive Response. , 2005, , 518-523.		3
49	Joint Inversion of Geodetic Observations and Relative Weighting "The 1999 Mw 7.6 Chi-Chi Earthquake Revisited. <i>Remote Sensing</i> , 2020, 12, 3125.	1.8	2
50	Consistency of Earth Rotation, Gravity, and Shape Measurements. <i>International Association of Geodesy Symposia</i> , 2009, , 463-471.	0.2	2
51	A GNSS velocity field for crustal deformation studies: The influence of glacial isostatic adjustment on plate motion models. <i>Geophysical Journal International</i> , 0, , .	1.0	2
52	LightSquared: a continuing threat to GNSS?. <i>Astronomy and Geophysics</i> , 2011, 52, 5.04-5.04.	0.1	1
53	GEODETIC MEASUREMENTS IN THE AEGEAN SEA REGION FOR THE DETECTION OF CRUSTAL DEFORMATION. , 2006, , 287-304.		1
54	OCEAN TIDE LOADING AND RELATIVE GNSS IN THE BRITISH ISLES. <i>Survey Review</i> , 2010, 42, 212-228.	0.7	0

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55	King Receives 2012 Geodesy Section Award: Citation. Eos, 2013, 94, 402-402.	0.1	0