

David Sandwell

List of Publications by Year in descending order

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190
papers

19,543
citations

17429

63
h-index

11303

136
g-index

199
all docs

199
docs citations

199
times ranked

12155
citing authors

#	ARTICLE	IF	CITATIONS
1	Global Sea Floor Topography from Satellite Altimetry and Ship Depth Soundings. <i>Science</i> , 1997, 277, 1956-1962.	6.0	3,781
2	Marine gravity anomaly from Geosat and ERS 1 satellite altimetry. <i>Journal of Geophysical Research</i> , 1997, 102, 10039-10054.	3.3	1,505
3	Global Bathymetry and Elevation Data at 30 Arc Seconds Resolution: SRTM30_PLUS. <i>Marine Geodesy</i> , 2009, 32, 355-371.	0.9	1,168
4	New global marine gravity model from CryoSat-2 and Jason-1 reveals buried tectonic structure. <i>Science</i> , 2014, 346, 65-67.	6.0	1,074
5	Biharmonic spline interpolation of GEOSAT and SEASAT altimeter data. <i>Geophysical Research Letters</i> , 1987, 14, 139-142.	1.5	602
6	Global marine gravity from retracked Geosat and ERS-1 altimetry: Ridge segmentation versus spreading rate. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	591
7	Global Bathymetry and Topography at 15 Arc Sec: SRTM15+. <i>Earth and Space Science</i> , 2019, 6, 1847-1864.	1.1	440
8	Bathymetric prediction from dense satellite altimetry and sparse shipboard bathymetry. <i>Journal of Geophysical Research</i> , 1994, 99, 21803-21824.	3.3	404
9	Three-dimensional deformation caused by the Bam, Iran, earthquake and the origin of shallow slip deficit. <i>Nature</i> , 2005, 435, 295-299.	13.7	403
10	Open radar interferometry software for mapping surface Deformation. <i>Eos</i> , 2011, 92, 234-234.	0.1	269
11	The Global Seamount Census. <i>Oceanography</i> , 2010, 23, 24-33.	0.5	262
12	Evolution of the eastern Indian Ocean since the Late Cretaceous: Constraints from Geosat altimetry. <i>Journal of Geophysical Research</i> , 1989, 94, 13755-13782.	3.3	254
13	Toward 1-mGal accuracy in global marine gravity from CryoSat-2, Envisat, and Jason-1. <i>The Leading Edge</i> , 2013, 32, 892-899.	0.4	208
14	Phase gradient approach to stacking interferograms. <i>Journal of Geophysical Research</i> , 1998, 103, 30183-30204.	3.3	203
15	Folding of oceanic lithosphere. <i>Journal of Geophysical Research</i> , 1985, 90, 8563-8569.	3.3	200
16	Tectonic history and new isochron chart of the south Pacific. <i>Journal of Geophysical Research</i> , 1990, 95, 8543-8567.	3.3	174
17	Line-of-sight displacement from ALOS-2 interferometry: M_w 7.8 Gorkha Earthquake and M_w 7.3 aftershock. <i>Geophysical Research Letters</i> , 2015, 42, 6655-6661.	1.5	174
18	Deformation on Nearby Faults Induced by the 1999 Hector Mine Earthquake. <i>Science</i> , 2002, 297, 1858-1862.	6.0	171

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19	Accuracy and resolution of shuttle radar topography mission data. <i>Geophysical Research Letters</i> , 2003, 30, .	1.5	170
20	Fault creep along the southern San Andreas from interferometric synthetic aperture radar, permanent scatterers, and stacking. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	169
21	High-resolution interseismic velocity data along the San Andreas Fault from GPS and InSAR. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 369-389.	1.4	139
22	Evidence for diffuse extension of the Pacific Plate from Pukapuka ridges and cross-grain gravity lineations. <i>Journal of Geophysical Research</i> , 1995, 100, 15087-15099.	3.3	137
23	Crustal volumes of the continents and of oceanic and continental submarine plateaus. <i>Earth and Planetary Science Letters</i> , 1989, 92, 234-246.	1.8	136
24	Accuracy and Resolution of ALOS Interferometry: Vector Deformation Maps of the Father's Day Intrusion at Kilauea. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2008, 46, 3524-3534.	2.7	135
25	Antarctic marine gravity field from high-density satellite altimetry. <i>Geophysical Journal International</i> , 1992, 109, 437-448.	1.0	119
26	Retracking ERS-1 altimeter waveforms for optimal gravity field recovery. <i>Geophysical Journal International</i> , 2005, 163, 79-89.	1.0	117
27	The 2010 Maule, Chile earthquake: Downdip rupture limit revealed by space geodesy. <i>Geophysical Research Letters</i> , 2010, 37, .	1.5	117
28	Lithospheric flexure at fracture zones. <i>Journal of Geophysical Research</i> , 1982, 87, 4657-4667.	3.3	114
29	Coseismic slip model of the 2008 Wenchuan earthquake derived from joint inversion of interferometric synthetic aperture radar, GPS, and field data. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	111
30	Geoid height versus topography for oceanic plateaus and swells. <i>Journal of Geophysical Research</i> , 1989, 94, 7403-7418.	3.3	110
31	A detailed view of the South Pacific geoid from satellite altimetry. <i>Journal of Geophysical Research</i> , 1984, 89, 1089-1104.	3.3	106
32	The lowest place on Earth is subsiding—An InSAR (interferometric synthetic aperture radar) perspective. <i>Bulletin of the Geological Society of America</i> , 2002, 114, 12-23.	1.6	102
33	Decorrelation of L-Band and C-Band Interferometry Over Vegetated Areas in California. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2010, 48, 2942-2952.	2.7	101
34	Thermal stress and the spacings of transform faults. <i>Journal of Geophysical Research</i> , 1986, 91, 6405-6417.	3.3	100
35	Thermomechanical evolution of oceanic fracture zones. <i>Journal of Geophysical Research</i> , 1984, 89, 11401-11413.	3.3	99
36	Flexural ridges, trenches, and outer rises around coronae on Venus. <i>Journal of Geophysical Research</i> , 1992, 97, 16069-16083.	3.3	97

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37	Retracking CryoSat-2, Envisat and Jason-1 radar altimetry waveforms for improved gravity field recovery. <i>Geophysical Journal International</i> , 2014, 196, 1402-1422.	1.0	97
38	Refining the shallow slip deficit. <i>Geophysical Journal International</i> , 2016, 204, 1843-1862.	1.0	95
39	Satellite interferometric observations of displacements associated with seasonal groundwater in the Los Angeles basin. <i>Journal of Geophysical Research</i> , 2002, 107, ETG 8-1-ETG 8-15.	3.3	94
40	Evidence from en-echelon cross-grain ridges for tensional cracks in the Pacific plate. <i>Nature</i> , 1987, 329, 534-537.	13.7	92
41	Evidence for Retrograde Lithospheric Subduction on Venus. <i>Science</i> , 1992, 257, 766-770.	6.0	92
42	Locking depths estimated from geodesy and seismology along the San Andreas Fault System: Implications for seismic moment release. <i>Journal of Geophysical Research</i> , 2011, 116, .	3.3	91
43	Geoid height versus age for symmetric spreading ridges. <i>Journal of Geophysical Research</i> , 1980, 85, 7235-7241.	3.3	89
44	Compensation of swells and plateaus in the north Pacific: No direct evidence for mantle convection. <i>Journal of Geophysical Research</i> , 1988, 93, 2775-2783.	3.3	89
45	Tectonic and Anthropogenic Deformation at the Cerro Prieto Geothermal Step-Over Revealed by Sentinel-1A InSAR. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017, 55, 5284-5292.	2.7	89
46	Lithospheric bending at subduction zones based on depth soundings and satellite gravity. <i>Journal of Geophysical Research</i> , 1995, 100, 379-400.	3.3	86
47	Interseismic deformation and creep along the central section of the North Anatolian Fault (Turkey): InSAR observations and implications for rate- and state friction properties. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 316-331.	1.4	85
48	Features on Venus generated by plate boundary processes. <i>Journal of Geophysical Research</i> , 1992, 97, 13533-13544.	3.3	82
49	Localized and distributed creep along the southern San Andreas Fault. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 7909-7922.	1.4	82
50	An abrupt change in ridge axis gravity with spreading rate. <i>Journal of Geophysical Research</i> , 1989, 94, 17383-17392.	3.3	81
51	Gravity field recovery from geodetic altimeter missions. <i>Advances in Space Research</i> , 2021, 68, 1059-1072.	1.2	80
52	Global gravity, bathymetry, and the distribution of submarine volcanism through space and time. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	78
53	Coseismic Displacements and Surface Fractures from Sentinel-1 InSAR: 2019 Ridgecrest Earthquakes. <i>Seismological Research Letters</i> , 2020, 91, 1979-1985.	0.8	78
54	Geoid height-age relation from SEASAT altimeter profiles across the Mendocino Fracture Zone. <i>Journal of Geophysical Research</i> , 1982, 87, 3949-3958.	3.3	73

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55	The 1999 (Mw 7.1) Hector Mine, California, Earthquake: Near-Field Postseismic Deformation from ERS Interferometry. <i>Bulletin of the Seismological Society of America</i> , 2002, 92, 1433-1442.	1.1	73
56	A Global Survey of Possible Subduction Sites on Venus. <i>Icarus</i> , 1995, 117, 173-196.	1.1	69
57	Upper-plate controls on co-seismic slip in the 2011 magnitude 9.0 Tohoku-oki earthquake. <i>Nature</i> , 2016, 531, 92-96.	13.7	69
58	Warping and cracking of the Pacific plate by thermal contraction. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	68
59	Slip on faults in the Imperial Valley triggered by the 4 April 2010 Mw 7.2 El Mayor-Cucapah earthquake revealed by InSAR. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	68
60	The negative gravity field over the 85°E ridge. <i>Journal of Geophysical Research</i> , 1982, 87, 7673-7686.	3.3	67
61	Global distribution of seamounts from Seasat profiles. <i>Journal of Geophysical Research</i> , 1988, 93, 10408-10420.	3.3	66
62	Small-scale deformations associated with the 1992 Landers, California, earthquake mapped by synthetic aperture radar interferometry phase gradients. <i>Journal of Geophysical Research</i> , 1998, 103, 27001-27016.	3.3	66
63	A model of the earthquake cycle along the San Andreas Fault System for the past 1000 years. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	66
64	El Mayor-Cucapah (<i>M_w</i> 7.2) earthquake: Early near-field postseismic deformation from InSAR and GPS observations. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 1482-1497.	1.4	66
65	Is there a discrepancy between geological and geodetic slip rates along the San Andreas Fault System?. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 2518-2538.	1.4	65
66	Global mesoscale variability from the Geosat Exact Repeat Mission: Correlation with ocean depth. <i>Journal of Geophysical Research</i> , 1989, 94, 17971-17984.	3.3	64
67	Coulomb stress accumulation along the San Andreas Fault system. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	64
68	Optimal combination of InSAR and GPS for measuring interseismic crustal deformation. <i>Advances in Space Research</i> , 2010, 46, 236-249.	1.2	64
69	Marine gravity of the southern ocean and Antarctic margin from Geosat. <i>Journal of Geophysical Research</i> , 1988, 93, 10389-10396.	3.3	63
70	High-accuracy, high-resolution gravity profiles from 2 years of the Geosat Exact Repeat Mission. <i>Journal of Geophysical Research</i> , 1990, 95, 3049-3060.	3.3	59
71	Lithospheric flexure on Venus. <i>Geophysical Journal International</i> , 1994, 119, 627-647.	1.0	59
72	Seamount Discovery Tool Aids Navigation to Uncharted Seafloor Features. <i>Oceanography</i> , 2010, 23, 34-36.	0.5	59

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73	Variations of global mesoscale eddy energy observed from Geosat. <i>Journal of Geophysical Research</i> , 1990, 95, 17865-17876.	3.3	58
74	Systematics of ridge propagation south of 30°S. <i>Earth and Planetary Science Letters</i> , 1994, 121, 245-258.	1.8	58
75	Tectonic fabric map of the ocean basins from satellite altimetry data. <i>Tectonophysics</i> , 1988, 155, 1-26.	0.9	57
76	Near real-time radar interferometry of the Mw 7.1 Hector Mine Earthquake. <i>Geophysical Research Letters</i> , 2000, 27, 3101-3104.	1.5	56
77	Magmatically Triggered Slow Slip at Kilauea Volcano, Hawaii. <i>Science</i> , 2008, 321, 1177-1177.	6.0	55
78	Ocean loading effects on stress at near shore plate boundary fault systems. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	54
79	Conventional Bathymetry, Bathymetry from Space, and Geodetic Altimetry. <i>Oceanography</i> , 2004, 17, 8-23.	0.5	53
80	An analysis of ridge axis gravity roughness and spreading rate. <i>Journal of Geophysical Research</i> , 1992, 97, 3235-3245.	3.3	50
81	Bathymetry from space: Rationale and requirements for a new, high-resolution altimetric mission. <i>Comptes Rendus - Geoscience</i> , 2006, 338, 1049-1062.	0.4	50
82	Three-dimensional models of elastostatic deformation in heterogeneous media, with applications to the Eastern California Shear Zone. <i>Geophysical Journal International</i> , 2009, 179, 500-520.	1.0	50
83	Driving Forces for Limited Tectonics on Venus. <i>Icarus</i> , 1997, 129, 232-244.	1.1	49
84	A silent <i>M_w</i> 4.7 slip event of October 2006 on the Superstition Hills fault, southern California. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	49
85	Thermal isostasy: Response of a moving lithosphere to a distributed heat source. <i>Journal of Geophysical Research</i> , 1982, 87, 1001-1014.	3.3	47
86	Comparison of marine gravity from shipboard and high-density satellite altimetry along the Mid-Atlantic Ridge, 30.5°–35.5°S. <i>Geophysical Research Letters</i> , 1993, 20, 1639-1642.	1.5	47
87	A three-dimensional semianalytic viscoelastic model for time-dependent analyses of the earthquake cycle. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	47
88	Documentation of Surface Fault Rupture and Ground-Deformation Features Produced by the 4 and 5 July 2019 Mw 6.4 and Mw 7.1 Ridgecrest Earthquake Sequence. <i>Seismological Research Letters</i> , 2020, 91, 2942-2959.	0.8	47
89	Coseismic deformation associated with the November 1995, MW= 7.1 Nuweiba earthquake, Gulf of Elat (Aqaba), detected by synthetic aperture radar interferometry. <i>Journal of Geophysical Research</i> , 1999, 104, 25221-25232.	3.3	46
90	Estimates of stress drop and crustal tectonic stress from the 27 February 2010 Maule, Chile, earthquake: Implications for fault strength. <i>Journal of Geophysical Research</i> , 2011, 116, n/a-n/a.	3.3	46

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91	Slow Slip Event On the Southern San Andreas Fault Triggered by the 2017 Mw 8.2 Chiapas (Mexico) Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 9956-9975.	1.4	46
92	Comparison of along-track resolution of stacked Geosat, ERS 1, and TOPEX satellite altimeters. <i>Journal of Geophysical Research</i> , 1995, 100, 15117-15127.	3.3	45
93	Global correlation of mesoscale ocean variability with seafloor roughness from satellite altimetry. <i>Geophysical Research Letters</i> , 2000, 27, 1251-1254.	1.5	44
94	Inversion of marine gravity anomalies over southeastern China seas from multi-satellite altimeter vertical deflections. <i>Journal of Applied Geophysics</i> , 2017, 137, 128-137.	0.9	42
95	The GPLates Portal: Cloud-Based Interactive 3D Visualization of Global Geophysical and Geological Data in a Web Browser. <i>PLoS ONE</i> , 2016, 11, e0150883.	1.1	41
96	Surface deformation associated with fractures near the 2019 Ridgecrest earthquake sequence. <i>Science</i> , 2020, 370, 605-608.	6.0	41
97	Interpolation of 2D vector data using constraints from elasticity. <i>Geophysical Research Letters</i> , 2016, 43, 10,703.	1.5	40
98	Diffuse interseismic deformation across the Pacific–North America plate boundary. <i>Geology</i> , 2007, 35, 311.	2.0	39
99	Deformation-related volcanism in the Pacific Ocean linked to the Hawaiian–Emperor bend. <i>Nature Geoscience</i> , 2015, 8, 393-397.	5.4	38
100	Stress evolution of the San Andreas fault system: Recurrence interval versus locking depth. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	37
101	Creep along the Imperial Fault, southern California, from GPS measurements. <i>Journal of Geophysical Research</i> , 2002, 107, ETG 12-1-ETG 12-13.	3.3	36
102	Observing global ocean circulation with SEASAT altimeter data. <i>Marine Geodesy</i> , 1984, 8, 67-83.	0.9	35
103	A preliminary tectonic fabric chart of the Indian Ocean. <i>Journal of Earth System Science</i> , 1989, 98, 7-24.	0.6	35
104	Topographic phase recovery from stacked ERS interferometry and a low-resolution digital elevation model. <i>Journal of Geophysical Research</i> , 2000, 105, 28211-28222.	3.3	35
105	Analysis of geoid height versus topography for oceanic plateaus and swells using nonbiased linear regression. <i>Journal of Geophysical Research</i> , 1991, 96, 8045-8055.	3.3	34
106	Modulation of the earthquake cycle at the southern San Andreas fault by lake loading. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	34
107	Estimates of heat flow from Cenozoic seafloor using global depth and age data. <i>Tectonophysics</i> , 2006, 417, 325-335.	0.9	33
108	Gravity over Coronae and Chasmata on Venus. <i>Icarus</i> , 1994, 112, 130-146.	1.1	32

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109	Three-dimensional estimation of elastic thickness under the Louisville Ridge. <i>Journal of Geophysical Research</i> , 2000, 105, 13239-13252.	3.3	32
110	Retracking of SARAL/AltiKa Radar Altimetry Waveforms for Optimal Gravity Field Recovery. <i>Marine Geodesy</i> , 2017, 40, 40-56.	0.9	32
111	Mantle downwelling beneath the Australian-Antarctic discordance zone: evidence from geoid height versus topography. <i>Earth and Planetary Science Letters</i> , 1991, 103, 325-338.	1.8	31
112	Geodetic investigation into the deformation of the Salton Trough. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 5030-5039.	1.4	31
113	On the source of cross-grain lineations in the central Pacific gravity field. <i>Journal of Geophysical Research</i> , 1989, 94, 9341-9352.	3.3	30
114	Joints in Venusian lava flows. <i>Journal of Geophysical Research</i> , 1992, 97, 13601-13610.	3.3	30
115	Vertical crustal displacement due to interseismic deformation along the San Andreas fault: Constraints from tide gauges. <i>Geophysical Research Letters</i> , 2014, 41, 3793-3801.	1.5	29
116	A compensation mechanism for the central Pacific. <i>Journal of Geophysical Research</i> , 1980, 85, 3751-3758.	3.3	27
117	What are the limitations of satellite altimetry?. <i>The Leading Edge</i> , 1998, 17, 73-76.	0.4	27
118	Chapter 12 Bathymetric Estimation. <i>International Geophysics</i> , 2001, , 441-xxxiv.	0.6	27
119	Oceanic microplate formation records the onset of India-Eurasia collision. <i>Earth and Planetary Science Letters</i> , 2016, 433, 204-214.	1.8	27
120	Seasonal variation in wind speed and sea state from global satellite measurements. <i>Journal of Geophysical Research</i> , 1984, 89, 2041-2051.	3.3	26
121	Geophysical Applications of Satellite Altimetry. <i>Reviews of Geophysics</i> , 1991, 29, 132-137.	9.0	26
122	Toward Absolute Phase Change Recovery With InSAR: Correcting for Earth Tides and Phase Unwrapping Ambiguities. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 726-733.	2.7	26
123	Integrated Sentinel-1 InSAR and GNSS Time-Series Along the San Andreas Fault System. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022579.	1.4	26
124	Transient Deformation in California From Two Decades of GPS Displacements: Implications for a Three-Dimensional Kinematic Reference Frame. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 12189-12223.	1.4	25
125	Outer trench slope flexure and faulting at Pacific basin subduction zones. <i>Geophysical Journal International</i> , 2019, 218, 708-728.	1.0	25
126	Global nondynamic orbit improvement for altimetric satellites. <i>Journal of Geophysical Research</i> , 1986, 91, 9447-9451.	3.3	24

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127	Imaging mid-ocean ridge transitions with satellite gravity. <i>Geology</i> , 1994, 22, 123.	2.0	24
128	Evolution of errors in the altimetric bathymetry model used by Google Earth and GEBCO. <i>Marine Geophysical Researches</i> , 2010, 31, 223-238.	0.5	22
129	The SARAL/AltiKa mission: A step forward to the future of altimetry. <i>Advances in Space Research</i> , 2021, 68, 808-828.	1.2	21
130	A contraction model for the flattening and equatorial ridge of Iapetus. <i>Icarus</i> , 2010, 210, 817-822.	1.1	19
131	Appendix 1 : Indian Ocean Plate Reconstructions Since the Late Jurassic. <i>Geophysical Monograph Series</i> , 0, , 471-475.	0.1	19
132	Did stresses from the Cerro Prieto Geothermal Field influence the El Mayor-Cucapah rupture sequence?. <i>Geophysical Research Letters</i> , 2014, 41, 8767-8774.	1.5	19
133	The vertical fingerprint of earthquake cycle loading in southern California. <i>Nature Geoscience</i> , 2016, 9, 611-614.	5.4	19
134	Improved Bathymetric Prediction Using Geological Information: SYN-BATH. <i>Earth and Space Science</i> , 2022, 9, .	1.1	19
135	A comparison of satellite and shipboard gravity measurements in the Gulf of Mexico. <i>Geophysics</i> , 1992, 57, 885-893.	1.4	18
136	The 1999 Hector Mine Earthquake, Southern California: Vector Near-Field Displacements from ERS InSAR. <i>Bulletin of the Seismological Society of America</i> , 2002, 92, 1341-1354.	1.1	18
137	Global estimates of seafloor slope from single-beam ship soundings. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	18
138	Slope correction for ocean radar altimetry. <i>Journal of Geodesy</i> , 2014, 88, 765-771.	1.6	18
139	An iterative spectral solution method for thin elastic plate flexure with variable rigidity. <i>Geophysical Journal International</i> , 2015, 200, 1012-1028.	1.0	18
140	Surface Creep Rate and Moment Accumulation Rate Along the Aceh Segment of the Sumatran Fault From ALOS-1/PALSAR-1 Observations. <i>Geophysical Research Letters</i> , 2018, 45, 3404-3412.	1.5	18
141	GEOSAT GM data reveal new details of ocean floor. <i>Eos</i> , 1991, 72, 145-145.	0.1	17
142	Modal depth anomalies from multibeam bathymetry: Is there a South Pacific superswell?. <i>Earth and Planetary Science Letters</i> , 1996, 139, 1-16.	1.8	17
143	Bathymetry from space is now possible. <i>Eos</i> , 2003, 84, 37-44.	0.1	17
144	SAR interferometry at Venus for topography and change detection. <i>Planetary and Space Science</i> , 2012, 73, 130-144.	0.9	16

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145	Surface Creep Rate of the Southern San Andreas Fault Modulated by Stress Perturbations From Nearby Large Events. <i>Geophysical Research Letters</i> , 2018, 45, 10,259.	1.5	16
146	Seafloor geodesy from repeated sidescan sonar surveys. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 4800-4813.	1.4	15
147	Kinematic Post-processing of Ship Navigation Data Using Precise Point Positioning. <i>Journal of Navigation</i> , 2019, 72, 795-804.	1.0	15
148	Synthetic Aperture Radar for Geodesy. <i>Science</i> , 1996, 273, 1181-1182.	6.0	14
149	Using InSAR to detect active deformation associated with faults in Suban field, South Sumatra Basin, Indonesia. <i>The Leading Edge</i> , 2014, 33, 882-888.	0.4	14
150	Improved Arctic Ocean Bathymetry Derived From DTU17 Gravity Model. <i>Earth and Space Science</i> , 2019, 6, 1336-1347.	1.1	14
151	Inflation along Kilauea's Southwest Rift Zone in 2006. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 177, 418-424.	0.8	13
152	InSAR decorrelation to assess and prevent volcanic risk. <i>European Journal of Remote Sensing</i> , 2014, 47, 537-556.	1.7	13
153	The Unique Role of the Jason Geodetic Missions for high Resolution Gravity Field and Mean Sea Surface Modelling. <i>Remote Sensing</i> , 2021, 13, 646.	1.8	13
154	Stacked global satellite gravity profiles. <i>Geophysics</i> , 1999, 64, 1748-1755.	1.4	12
155	Applications of satellite altimetry to oceanography and geophysics. <i>Marine Geophysical Researches</i> , 1984, 7, 17-32.	0.5	11
156	Fracture zone traces across the north Pacific cretaceous quiet zone and their tectonic implications. <i>Geophysical Monograph Series</i> , 1993, , 137-154.	0.1	11
157	Constraints on σ_3 stress in the crust from support of mid-ocean ridge topography. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	11
158	An integral method to estimate the moment accumulation rate on the Creeping Section of the San Andreas Fault. <i>Geophysical Journal International</i> , 2015, 203, 48-62.	1.0	11
159	Comparison and evaluation of high-resolution marine gravity recovery via sea surface heights or sea surface slopes. <i>Journal of Geodesy</i> , 2021, 95, 1.	1.6	11
160	Along-track gravity anomalies from Geostat and Seasat altimetry: GEBCO overlays. <i>Marine Geophysical Researches</i> , 1992, 14, 165-205.	0.5	10
161	The Kara/Ust-Kara twin impact structure; A large-scale impact event in the Late Cretaceous. <i>Special Paper of the Geological Society of America</i> , 1990, , 233-238.	0.5	9
162	Radar interferometry for measuring tidal strains across cracks on Europa. <i>Journal of Geophysical Research</i> , 2004, 109, .	3.3	9

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