

James H Foster

List of Publications by Year in descending order

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42
papers

1,659
citations

279798

23
h-index

315739

38
g-index

45
all docs

45
docs citations

45
times ranked

2214
citing authors

#	ARTICLE	IF	CITATIONS
1	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.	6.3	135
2	Mitigating atmospheric noise for InSAR using a high resolution weather model. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	123
3	The 2010 Maule, Chile earthquake: Downdip rupture limit revealed by space geodesy. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	117
4	January 30, 1997 eruptive event on Kilauea Volcano, Hawaii, as monitored by continuous GPS. <i>Geophysical Research Letters</i> , 2000, 27, 2757-2760.	4.0	98
5	Orogenic-wedge deformation and potential for great earthquakes in the central Andean backarc. <i>Nature Geoscience</i> , 2011, 4, 380-383.	12.9	77
6	Periodic slow earthquakes on the flank of Kilauea volcano, Hawaii. <i>Earth and Planetary Science Letters</i> , 2006, 246, 207-216.	4.4	72
7	Coseismic slip distribution of the February 27, 2010 Mw 8.8 Maule, Chile earthquake. <i>Geophysical Research Letters</i> , 2011, 38, .	4.0	59
8	Magmatically Triggered Slow Slip at Kilauea Volcano, Hawaii. <i>Science</i> , 2008, 321, 1177-1177.	12.6	55
9	Compact Multipurpose Mobile Laser Scanning System "Initial Tests and Results. <i>Remote Sensing</i> , 2013, 5, 521-538.	4.0	48
10	Space geodetic determination of spatial variability in relative sea level change, Los Angeles basin. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	47
11	Illuminating subduction zone rheological properties in the wake of a giant earthquake. <i>Science Advances</i> , 2019, 5, eaax6720.	10.3	47
12	Precipitable water and the lognormal distribution. <i>Journal of Geophysical Research</i> , 2006, 111, .	3.3	43
13	The utility of atmospheric analyses for the mitigation of artifacts in InSAR. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 748-758.	3.4	34
14	Roughness of Hawaiian volcanic terrains. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	33
15	Sea level rise at Honolulu and Hilo, Hawaii: GPS estimates of differential land motion. <i>Geophysical Research Letters</i> , 2005, 32, .	4.0	32
16	Microearthquake streaks and seismicity triggered by slow earthquakes on the mobile south flank of Kilauea Volcano, Hawaii. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	32
17	Coupling at Mauna Loa and Kilauea by stress transfer in an asthenospheric melt layer. <i>Nature Geoscience</i> , 2012, 5, 826-829.	12.9	32
18	Ship-based measurements of sea surface topography. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	26

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19	High-resolution locations of triggered earthquakes and tomographic imaging of Kilauea Volcano's south flank. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	26
20	Aseismic deformation across the Hilina fault system, Hawaii, revealed by wavelet analysis of InSAR and GPS time series. <i>Earth and Planetary Science Letters</i> , 2013, 376, 12-19.	4.4	26
21	Kinematics and segmentation of the South Shetland Islands-Bransfield basin system, northern Antarctic Peninsula. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	24
22	Isolating active orogenic wedge deformation in the southern Subandes of Bolivia. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 6192-6218.	3.4	24
23	The Ka- μ storm (November 2000): Imaging precipitable water using GPS. <i>Journal of Geophysical Research</i> , 2003, 108, .	3.3	23
24	GPS Meteorology: Sliding-Window Analysis*. <i>Journal of Atmospheric and Oceanic Technology</i> , 2005, 22, 687-695.	1.3	23
25	Improving tsunami warning using commercial ships. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	20
26	Regional Global Navigation Satellite System Networks for Crustal Deformation Monitoring. <i>Seismological Research Letters</i> , 2019, 91, 552-572.	1.9	20
27	Lognormal distribution of precipitable water in Hawaii. <i>Geochemistry, Geophysics, Geosystems</i> , 2003, 4, .	2.5	19
28	Fault frictional parameters and material properties revealed by slow slip events at Kilauea volcano, Hawaii. <i>Geophysical Research Letters</i> , 2013, 40, 6059-6063.	4.0	18
29	Robust Earthquake Early Warning at a Fraction of the Cost: ASTUTI Costa Rica. <i>AGU Advances</i> , 2021, 2, e2021AV000407.	5.4	17
30	Comparison of precipitable water over Hawaii using AVHRR-based split-window techniques, GPS and radiosondes. <i>International Journal of Remote Sensing</i> , 2002, 23, 2335-2339.	2.9	15
31	GPS meteorology: An investigation of ocean-based precipitable water estimates. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	15
32	Inflation along Kilauea's Southwest Rift Zone in 2006. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 177, 418-424.	2.1	13
33	El Niño, water vapor, and the global positioning system. <i>Geophysical Research Letters</i> , 2000, 27, 2697-2700.	4.0	12
34	Sea State Determination from Ship-Based Geodetic GPS. <i>Journal of Atmospheric and Oceanic Technology</i> , 2014, 31, 2556-2564.	1.3	11
35	Magnetotelluric-Geochemistry Investigations of Blawan Geothermal Field, East Java, Indonesia. <i>Geosciences (Switzerland)</i> , 2017, 7, 41.	2.2	11
36	Slow Slip Event at Kilauea Volcano. <i>Eos</i> , 2010, 91, 118-119.	0.1	7

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37	Implications of deflation-inflation event models on K��lauea Volcano, Hawai��i. Journal of Volcanology and Geothermal Research, 2020, 397, 106832.	2.1	6
38	Submarine Landslides and Slow Earthquakes: Monitoring Motion with GPS and Seafloor Geodesy. , 2011, , 889-907.		4
39	Evaluating the Accuracy of Satellite-Based Microwave Radiometer PWV Products Using Shipborne GNSS Observations Across the Pacific Ocean. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10.	6.3	3
40	Tids Detection from Ship-Based GNSS Receiver: First Test on 2010 Maule Tsunami. , 2020, , .		3
41	GPS and surveying. , 2015, , 157-170.		2
42	Evaluation of Anisotropic Mapping Function Using JMA 10-km Spectral Model. Transactions of the Japan Society for Aeronautical and Space Sciences, 2008, 51, 16-21.	0.7	0