

# William C Hammond

## List of Publications by Citations

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40  
papers

1,718  
citations

21  
h-index

41  
g-index

49  
ext. papers

2,118  
ext. citations

6.3  
avg, IF

5.16  
L-index

#	Paper	IF	Citations
40	Harnessing the GPS Data Explosion for Interdisciplinary Science. <i>Eos</i> , <b>2018</b> , 99,	1.5	265
39	Uplift and seismicity driven by groundwater depletion in central California. <i>Nature</i> , <b>2014</b> , 509, 483-6	50.4	160
38	Rapid determination of earthquake magnitude using GPS for tsunami warning systems. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	148
37	MIDAS robust trend estimator for accurate GPS station velocities without step detection. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2016</b> , 121, 2054-2068	3.6	144
36	Contemporary tectonic deformation of the Basin and Range province, western United States: 10 years of observation with the Global Positioning System. <i>Journal of Geophysical Research</i> , <b>2004</b> , 109,		102
35	GPS for real-time earthquake source determination and tsunami warning systems. <i>Journal of Geodesy</i> , <b>2009</b> , 83, 335-343	4.5	92
34	Terrestrial reference frame NA12 for crustal deformation studies in North America. <i>Journal of Geodynamics</i> , <b>2013</b> , 72, 11-24	2.2	85
33	GPS Imaging of vertical land motion in California and Nevada: Implications for Sierra Nevada uplift. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2016</b> , 121, 7681-7703	3.6	64
32	Block modeling of crustal deformation of the northern Walker Lane and Basin and Range from GPS velocities. <i>Journal of Geophysical Research</i> , <b>2011</b> , 116,		57
31	Northwest Basin and Range tectonic deformation observed with the Global Positioning System, 1999-2003. <i>Journal of Geophysical Research</i> , <b>2005</b> , 110,		57
30	Crustal deformation across the Sierra Nevada, northern Walker Lane, Basin and Range transition, western United States measured with GPS, 2000-2004. <i>Journal of Geophysical Research</i> , <b>2007</b> , 112,		55
29	Contemporary uplift of the Sierra Nevada, western United States, from GPS and InSAR measurements. <i>Geology</i> , <b>2012</b> , 40, 667-670	5	42
28	A Robust Estimation of the 3-D Intraplate Deformation of the North American Plate From GPS. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2018</b> , 123, 4388-4412	3.6	40
27	Seismogeodesy of the 2014 Mw6.1 Napa earthquake, California: Rapid response and modeling of fast rupture on a dipping strike-slip fault. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2015</b> , 120, 5013-5033	3.6	39
26	Neotectonics, geodesy, and seismic hazard in the Northern Walker Lane of Western North America: Thirty kilometers of crustal shear and no strike-slip?. <i>Earth and Planetary Science Letters</i> , <b>2012</b> , 329-330, 133-140	5.3	37
25	Accommodation of missing shear strain in the Central Walker Lane, western North America: Constraints from dense GPS measurements. <i>Earth and Planetary Science Letters</i> , <b>2016</b> , 440, 169-177	5.3	32
24	Bend Faulting at the Edge of a Flat Slab: The 2017 Mw7.1 Puebla-Morelos, Mexico Earthquake. <i>Geophysical Research Letters</i> , <b>2018</b> , 45, 2633-2641	4.9	27

23	Geodetic constraints on areal changes in the Pacific-North America plate boundary zone: What controls Basin and Range extension?. <i>Geology</i> , <b>2007</b> , 35, 943	5	25
22	Assessing the impact of vertical land motion on twentieth century global mean sea level estimates. <i>Journal of Geophysical Research: Oceans</i> , <b>2016</b> , 121, 4980-4993	3.3	25
21	Scientific Value of Real-Time Global Positioning System Data. <i>Eos</i> , <b>2011</b> , 92, 125-126	1.5	22
20	Understanding of Contemporary Regional Sea-Level Change and the Implications for the Future. <i>Reviews of Geophysics</i> , <b>2020</b> , 58, e2019RG000672	23.1	22
19	Evidence for an active shear zone in southern Nevada linking the Wasatch fault to the Eastern California shear zone. <i>Geology</i> , <b>2010</b> , 38, 475-478	5	20
18	Geodesy- and geology-based slip-rate models for the Western United States (excluding California) national seismic hazard maps. <i>US Geological Survey Open-File Report</i> ,		20
17	Uplift of the Western Transverse Ranges and Ventura Area of Southern California: A Four-Technique Geodetic Study Combining GPS, InSAR, Leveling, and Tide Gauges. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2018</b> , 123, 836-858	3.6	17
16	Effect of viscoelastic postseismic relaxation on estimates of interseismic crustal strain accumulation at Yucca Mountain, Nevada. <i>Geophysical Research Letters</i> , <b>2010</b> , 37, n/a-n/a	4.9	16
15	Geodetic constraints on contemporary deformation in the northern Walker Lane: 3. Central Nevada seismic belt postseismic relaxation <b>2009</b> ,		15
14	Drought-Triggered Magmatic Inflation, Crustal Strain, and Seismicity Near the Long Valley Caldera, Central Walker Lane. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2019</b> , 124, 6072-6091	3.6	14
13	Atmospheric pressure loading in GPS positions: dependency on GPS processing methods and effect on assessment of seasonal deformation in the contiguous USA and Alaska. <i>Journal of Geodesy</i> , <b>2020</b> , 94, 1	4.5	13
12	Regional Global Navigation Satellite System Networks for Crustal Deformation Monitoring. <i>Seismological Research Letters</i> , <b>2019</b> , 91, 552-572	3	13
11	Steady contemporary deformation of the central Basin and Range Province, western United States. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2014</b> , 119, 5235-5253	3.6	13
10	Geodetic observation of contemporary deformation in the northern Walker Lane: 1. Semipermanent GPS strategy <b>2009</b> ,		9
9	Geophysics. The ghost of an earthquake. <i>Science</i> , <b>2005</b> , 310, 1440-2	33.3	6
8	GPS Imaging of Vertical Bedrock Displacements: Quantification of Two-Dimensional Vertical Crustal Deformation in China. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2021</b> , 126, e2020JB020951	3.6	4
7	GPS Imaging of Global Vertical Land Motion for Studies of Sea Level Rise. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2021</b> , 126, e2021JB022355	3.6	4
6	Present-Day and Long-Term Uplift Across the Western Transverse Ranges of Southern California. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2020</b> , 125, e2020JB019672	3.6	3

5	Interseismic deformation and geologic evolution of the Death Valley Fault Zone. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		3
4	Tectonic Deformation of the Northeastern Tibetan Plateau and Its Surroundings Revealed With GPS Block Modeling. <i>Journal of Geophysical Research: Solid Earth</i> , <b>2021</b> , 126, e2020JB020733	3.6	3
3	Kinematic Slip Model of the 2021 M <sub>6.0</sub> Antelope Valley, California, Earthquake. <i>The Seismic Record</i> , <b>2022</b> , 2, 20-28		1
2	Integrating Geodetic and Geologic Data in Maps of Seismic Hazard: Workshop on Geodetic and Geologic Data Sets in the Northern Walker Lane; Reno, Nevada, 21-22 April 2009. <i>Eos</i> , <b>2009</b> , 90, 334	1.5	0
1	Applications of real-time GPS for science and hazard monitoring. <i>Eos</i> , <b>2012</b> , 93, 526-526	1.5	