

# Cecily J Wolfe

## List of Publications by Year in descending order

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43  
papers

3,700  
citations

159585

30  
h-index

254184

43  
g-index

45  
all docs

45  
docs citations

45  
times ranked

3946  
citing authors

#	ARTICLE	IF	CITATIONS
1	Seismic structure of the Iceland mantle plume. <i>Nature</i> , 1997, 385, 245-247.	27.8	448
2	Systematic survey reveals general applicability of "guilt-by-association" within gene coexpression networks. <i>BMC Bioinformatics</i> , 2005, 6, 227.	2.6	370
3	Snail2 is an Essential Mediator of Twist1-Induced Epithelial Mesenchymal Transition and Metastasis. <i>Cancer Research</i> , 2011, 71, 245-254.	0.9	354
4	Seismic anisotropy of oceanic upper mantle: Shear wave splitting methodologies and observations. <i>Journal of Geophysical Research</i> , 1998, 103, 749-771.	3.3	263
5	Empirical Evidence for the Effect of Airline Travel on Inter-Regional Influenza Spread in the United States. <i>PLoS Medicine</i> , 2006, 3, e401.	8.4	221
6	Seismic evidence for a lower-mantle origin of the Iceland plume. <i>Nature</i> , 1998, 395, 62-65.	27.8	214
7	Mantle Shear-Wave Velocity Structure Beneath the Hawaiian Hot Spot. <i>Science</i> , 2009, 326, 1388-1390.	12.6	190
8	Mantle flow, melting, and dehydration of the Iceland mantle plume. <i>Earth and Planetary Science Letters</i> , 1999, 165, 81-96.	4.4	172
9	Shear-Wave Splitting and Implications for Mantle Flow Beneath the MELT Region of the East Pacific Rise. <i>Science</i> , 1998, 280, 1230-1232.	12.6	168
10	The Marquesas archipelagic apron: Seismic stratigraphy and implications for volcano growth, mass wasting, and crustal underplating. <i>Journal of Geophysical Research</i> , 1994, 99, 13591-13608.	3.3	90
11	Underplating of the Hawaiian Swell: evidence from teleseismic receiver functions. <i>Geophysical Journal International</i> , 2010, 183, 313-329.	2.4	83
12	Double layering of a thermochemical plume in the upper mantle beneath Hawaii. <i>Earth and Planetary Science Letters</i> , 2013, 376, 155-164.	4.4	76
13	Periodic slow earthquakes on the flank of Kālauea volcano, Hawaii. <i>Earth and Planetary Science Letters</i> , 2006, 246, 207-216.	4.4	72
14	On the Mathematics of Using Difference Operators to Relocate Earthquakes. <i>Bulletin of the Seismological Society of America</i> , 2002, 92, 2879-2892.	2.3	69
15	Mantle P-wave velocity structure beneath the Hawaiian hotspot. <i>Earth and Planetary Science Letters</i> , 2011, 303, 267-280.	4.4	64
16	Shear-wave splitting at central Tien Shan: Evidence for rapid variation of anisotropic patterns. <i>Geophysical Research Letters</i> , 1998, 25, 1217-1220.	4.0	61
17	Mantle Fault Zone Beneath Kilauea Volcano, Hawaii. <i>Science</i> , 2003, 300, 478-480.	12.6	61
18	Magmatically Triggered Slow Slip at Kilauea Volcano, Hawaii. <i>Science</i> , 2008, 321, 1177-1177.	12.6	55

#	ARTICLE	IF	CITATIONS
19	Systematic relocation of seismicity on Hawaii Island from 1992 to 2009 using waveform cross correlation and cluster analysis. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 2275-2288.	3.4	54
20	Initial results from the ICEMELT Experiment: Body-wave delay times and shear-wave splitting across Iceland. <i>Geophysical Research Letters</i> , 1996, 23, 459-462.	4.0	52
21	Swarms of similar long-period earthquakes in the mantle beneath Mauna Loa Volcano. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 178, 787-794.	2.1	46
22	Shear-wave splitting across western Saudi Arabia: The pattern of upper mantle anisotropy at a Proterozoic Shield. <i>Geophysical Research Letters</i> , 1999, 26, 779-782.	4.0	45
23	Asymmetric shallow mantle structure beneath the Hawaiian Swell-evidence from Rayleigh waves recorded by the PLUME network. <i>Geophysical Journal International</i> , 2011, 187, 1725-1742.	2.4	43
24	Constraining explosive volcanism: subjective choices during estimates of eruption magnitude. <i>Bulletin of Volcanology</i> , 2014, 76, 1.	3.0	38
25	From field data to volumes: constraining uncertainties in pyroclastic eruption parameters. <i>Bulletin of Volcanology</i> , 2014, 76, 1.	3.0	38
26	Probing the Hawaiian Hot Spot With New Broadband Ocean Bottom Instruments. <i>Eos</i> , 2009, 90, 362-363.	0.1	37
27	Seismological evidence for a mid-mantle discontinuity beneath Hawaii and Iceland. <i>Earth and Planetary Science Letters</i> , 2003, 214, 143-151.	4.4	36
28	Characteristics of deep ( $\approx 13$ km) Hawaiian earthquakes and Hawaiian earthquakes west of $155.55^\circ\text{W}$ . <i>Geochemistry, Geophysics, Geosystems</i> , 2004, 5, n/a-n/a.	2.5	36
29	Microearthquake streaks and seismicity triggered by slow earthquakes on the mobile south flank of Kilauea Volcano, Hawai'i. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	32
30	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
31	Inversion of body-wave delay times for mantle structure beneath the Hawaiian islands: results from the PELENET experiment. <i>Earth and Planetary Science Letters</i> , 2002, 198, 129-145.	4.4	29
32	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
33	Assessing the depth resolution of tomographic models of upper mantle structure beneath Iceland. <i>Geophysical Research Letters</i> , 2002, 29, 1.	4.0	25
34	Shear wave splitting at the Hawaiian hot spot from the PLUME land and ocean bottom seismometer deployments. <i>Geochemistry, Geophysics, Geosystems</i> , 2012, 13, .	2.5	24
35	Kaunoholo Bay, Hawai'i, earthquake sequence of 2006: Relationship of the main shock slip with locations and source parameters of aftershocks. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	21
36	Seismic anisotropy and shear wave splitting associated with mantle plume-plate interaction. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 4923-4937.	3.4	19

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37	Novel inversion approach to constrain plume sedimentation from tephra deposit data: Application to the 17 June 1996 eruption of Ruapehu volcano, New Zealand. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	11
38	Slow Slip Event at Kilauea Volcano. <i>Eos</i> , 2010, 91, 118-119.	0.1	7
39	Correction to "Initial results from the ICEMELT Experiment: Body-wave delay times and shear-wave splitting across Iceland". <i>Geophysical Research Letters</i> , 1996, 23, 903-903.	4.0	6
40	Number of women faculty in the geosciences increasing, but slowly. <i>Eos</i> , 1999, 80, 133.	0.1	5
41	Air Travel and the Spread of Influenza: Authors' Reply. <i>PLoS Medicine</i> , 2006, 3, e502.	8.4	3
42	Prospecting for hotspot roots. <i>Nature</i> , 1998, 396, 212-213.	27.8	2
43	Geophysical Advances Triggered by 1964 Great Alaska Earthquake. <i>Eos</i> , 2014, 95, 141-142.	0.1	2