

# Kevin Furlong

## List of Publications by Year in descending order

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Version: 2024-02-01

30  
papers

1,100  
citations

471509

17  
h-index

454955

30  
g-index

53  
all docs

53  
docs citations

53  
times ranked

1315  
citing authors

#	ARTICLE	IF	CITATIONS
1	Continuing megathrust earthquake potential in Chile after the 2014 Iquique earthquake. <i>Nature</i> , 2014, 512, 295-298.	27.8	158
2	The 2006–2007 Kuril Islands great earthquake sequence. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	112
3	INFLUENCE OF THE MENDOCINO TRIPLE JUNCTION ON THE TECTONICS OF COASTAL CALIFORNIA. <i>Annual Review of Earth and Planetary Sciences</i> , 2004, 32, 403-433.	11.0	87
4	Ephemeral crustal thickening at a triple junction: The Mendocino crustal conveyor. <i>Geology</i> , 1999, 27, 127.	4.4	62
5	Ephemeral plate tectonics at the Queen Charlotte triple junction. <i>Geology</i> , 1995, 23, 1035.	4.4	59
6	The lithospheric geodynamics of plate boundary transpression in New Zealand: Initiating and emplacing subduction along the Hikurangi margin, and the tectonic evolution of the Alpine Fault system. <i>Tectonophysics</i> , 2009, 474, 449-462.	2.2	55
7	A Great Earthquake Rupture Across a Rapidly Evolving Three-Plate Boundary. <i>Science</i> , 2009, 324, 226-229.	12.6	54
8	Rapid and punctuated Late Holocene recession of Siling Co, central Tibet. <i>Quaternary Science Reviews</i> , 2017, 172, 15-31.	3.0	45
9	Crustal strength in central Tibet determined from Holocene shoreline deflection around Siling Co. <i>Earth and Planetary Science Letters</i> , 2015, 423, 145-154.	4.4	42
10	The Geodetic Signature of the Earthquake Cycle at Subduction Zones: Model Constraints on the Deep Processes. <i>Reviews of Geophysics</i> , 2018, 56, 6-49.	23.0	40
11	The Accumulation of Slip Deficit in Subduction Zones in the Absence of Mechanical Coupling: Implications for the Behavior of Megathrust Earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 8260-8278.	3.4	28
12	Using regional moment tensors to constrain the kinematics and stress evolution of the 2010–2013 Canterbury earthquake sequence, South Island, New Zealand. <i>Tectonophysics</i> , 2014, 633, 1-15.	2.2	25
13	Holocene slip rate along the Gyaring Co Fault, central Tibet. <i>Geophysical Research Letters</i> , 2014, 41, 5829-5837.	4.0	24
14	Triggering an unexpected earthquake in an uncoupled subduction zone. <i>Science Advances</i> , 2021, 7, .	10.3	24
15	Reconciling the deformational dichotomy of the 2016 $M_w$ 7.8 Kaikoura New Zealand earthquake. <i>Geophysical Research Letters</i> , 2017, 44, 6788-6791.	4.0	23
16	Foreshock triggering of the 1 April 2014 $M_w$ 8.2 Iquique, Chile, earthquake. <i>Earth and Planetary Science Letters</i> , 2016, 447, 119-129.	4.4	21
17	Evaluating the size and extent of paleolakes in central Tibet during the late Pleistocene. <i>Geophysical Research Letters</i> , 2017, 44, 5476-5485.	4.0	18
18	Seismotectonics of the 2014 Chiang Rai, Thailand, earthquake sequence. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 6367-6388.	3.4	15

#	ARTICLE	IF	CITATIONS
19	Fault creep and microseismicity on the Hayward fault, California: Implications for asperity size. <i>Geophysical Research Letters</i> , 2003, 30, .	4.0	14
20	Integrated geophysical characteristics of the 2015 Illapel, Chile, earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 4691-4711.	3.4	13
21	Initiation of Strike-slip Faults, Serpentinization, and Methane: The Nootka Fault Zone, the Juan de Fuca Explorer Plate Boundary. <i>Geochemistry, Geophysics, Geosystems</i> , 2018, 19, 4290-4312.	2.5	13
22	Thermal-rheological controls on deformation within oceanic transforms. <i>Geological Society Special Publication</i> , 2001, 186, 65-83.	1.3	11
23	Evidence of displacement-driven maturation along the San Cristobal Trough transform plate boundary. <i>Earth and Planetary Science Letters</i> , 2018, 485, 88-98.	4.4	7
24	Isolating non-subduction-driven tectonic processes in Cascadia. <i>Geoscience Letters</i> , 2021, 8, .	3.3	5
25	Regional and Local Patterns of Upper-Plate Deformation in Cascadia: The Importance of the Down-Dip Extent of Locking Relative to Upper-Plate Strength Contrasts. <i>Tectonics</i> , 2022, 41, .	2.8	5
26	Bidirectional Loading of the Subduction Interface: Evidence From the Kinematics of Slow Slip Events. <i>Geochemistry, Geophysics, Geosystems</i> , 2020, 21, e2020GC008918.	2.5	4
27	Seismotectonic Analysis of the 2019-2020 Puerto Rico Sequence: The Value of Absolute Earthquake Relocations in Improved Interpretations of Active Tectonics. <i>Seismological Research Letters</i> , 2022, 93, 544-554.	1.9	4
28	Mid-Miocene to Present Upper-Plate Deformation of the Southern Cascadia Forearc: Effects of the Superposition of Subduction and Transform Tectonics. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	2
29	Reply to Comment on "Crustal strength in central Tibet determined from Holocene shoreline deflection around Siling Co". <i>Earth and Planetary Science Letters</i> , 2016, 433, 396-398.	4.4	1
30	Evaluating the state of stress and seismic hazard in Thailand and vicinity through finite element modeling. <i>Journal of Asian Earth Sciences</i> , 2018, 166, 260-269.	2.3	1