Cliff Frohlich

List of Publications by Year
in descending order

49 papers	2,931 citations	257450 24 h-index	243625 44 g-index
49 all docs	49 docs citations	49 times ranked	2441 citing authors

#	Article	IF	Citations
1	Triangle diagrams: ternary graphs to display similarity and diversity of earthquake focal mechanisms. Physics of the Earth and Planetary Interiors, 1992, 75, 193-198.	1.9	277
2	Two-year survey comparing earthquake activity and injection-well locations in the Barnett Shale, Texas. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 13934-13938.	7.1	221
3	Causal factors for seismicity near Azle, Texas. Nature Communications, 2015, 6, 6728.	12.8	168
4	Analysis of partially emerged corals and reef terraces in the central Vanuatu Arc: Comparison of contemporary coseismic and nonseismic with quaternary vertical movements. Journal of Geophysical Research, 1987, 92, 4905-4933.	3.3	164
5	Earthquake focal mechanisms, moment tensors, and the consistency of seismic activity near plate boundaries. Tectonics, 1992, 11, 279-296.	2.8	160
6	Single-Link Cluster Analysis As A Method to Evaluate Spatial and Temporal Properties of Earthquake Catalogues. Geophysical Journal International, 1990, 100, 19-32.	2.4	156
7	Did (Or Will) Fluid Injection Cause Earthquakes? - Criteria for a Rational Assessment. Seismological Research Letters, 1993, 64, 207-224.	1.9	142
8	A Historical Review of Induced Earthquakes in Texas. Seismological Research Letters, 2016, 87, 1022-1038.	1.9	129
9	The Natural Selection of Sexual Cannibalism. American Naturalist, 1984, 123, 612-625.	2.1	120
10	Single-Link Cluster Analysis, Synthetic Earthquake Catalogues, and Aftershock Identification. Geophysical Journal International, 1991, 104, 289-306.	2.4	103
11	Gas injection may have triggered earthquakes in the Cogdell oil field, Texas. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 18786-18791.	7.1	101
12	The 17 May 2012â€‰M4.8 earthquake near Timpson, East Texas: An event possibly triggered by fluid injection. Journal of Geophysical Research: Solid Earth, 2014, 119, 581-593.	3.4	101
13	How well constrained are well-constrainedT,B, andPaxes in moment tensor catalogs?. Journal of Geophysical Research, 1999, 104, 4901-4910.	3.3	99
14	Ellenburger wastewater injection and seismicity in North Texas. Physics of the Earth and Planetary Interiors, 2016, 261, 54-68.	1.9	90
15	Do springboard divers violate angular momentum conservation?. American Journal of Physics, 1979, 47, 583-592.	0.7	89
16	Rupture across arc segment and plate boundaries in the 1 April 2007 SolomonsÂearthquake. Nature Geoscience, 2008, 1, 253-257.	12.9	83
17	High tsunami frequency as a result of combined strike-slip faulting and coastal landslides. Nature Geoscience, 2010, 3, 783-788.	12.9	77
18	Application of Very Fast Simulated Annealing to the Determination of the Crustal Structure Beneath Tibet. Geophysical Journal International, 1996, 125, 355-370.	2.4	71

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19	Aerodynamic drag crisis and its possible effect on the flight of baseballs. American Journal of Physics, 1984, 52, 325-334.	0.7	61
20	Seismic recurrence intervals and timing of aseismic subduction inferred from emerged corals and reefs of the Central Vanuatu (New Hebrides) Frontal Arc. Journal of Geophysical Research, 1990, 95, 393-408.	3.3	59
21	Two-year survey of earthquakes and injection/production wells in the Eagle Ford Shale, Texas, prior to the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="normal">M</mml:mi></mml:mrow><mml:mrow><mml:mi mathvariant="normal">W</mml:mi></mml:mrow></mml:msub><mml:mn>4.8</mml:mn></mml:math> 20 October 2011 earthquake. Earth and Planetary Science Letters, 2013, 379, 56-63.	4.4	54
22	Note concerning possible mechanisms for nonâ€doubleâ€couple earthquake sources. Geophysical Research Letters, 1989, 16, 523-526.	4.0	38
23	A break in the deep. Nature, 1994, 368, 100-101.	27.8	32
24	Onset and Cause of Increased Seismic Activity Near Pecos, West Texas, United States, From Observations at the Lajitas TXAR Seismic Array. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB017737.	3.4	31
25	A process-based approach to understanding and managing triggered seismicity. Nature, 2021, 595, 684-689.	27.8	28
26	Aerodynamic effects on discus flight. American Journal of Physics, 1981, 49, 1125-1132.	0.7	24
27	Kinematics and segmentation of the South Shetland Islandsâ€Bransfield basin system, northern Antarctic Peninsula. Geochemistry, Geophysics, Geosystems, 2008, 9, .	2.5	24
28	Global seismicity characteristics of subduction-to-strike-slip transitions. Journal of Geophysical Research, 2001, 106, 19443-19452.	3.3	23
29	Identification of aftershocks of deep earthquakes by a new ratios method. Geophysical Research Letters, 1985, 12, 713-716.	4.0	22
30	Comparison of seismic moment release rates along different types of plate boundaries. Geophysical Journal International, 2007, 171, 909-920.	2.4	21
31	Stress Orientations in the Fort Worth Basin, Texas, Determined from Earthquake Focal Mechanisms. Bulletin of the Seismological Society of America, 2018, 108, 1124-1132.	2.3	21
32	Analysis of publications and citations from a geophysics research institute. Journal of the Association for Information Science and Technology, 2001, 52, 701-713.	2.6	18
33	Arc segmentation and seismicity in the Solomon Islands arc, SW Pacific. Tectonophysics, 2011, 507, 47-69.	2.2	17
34	Variable Holocene deformation above a shallow subduction zone extremely close to the trench. Nature Communications, 2015, 6, 7607.	12.8	17
35	Possible extra-Solar-System cause for certain lunar seismic events. Icarus, 2006, 185, 21-28.	2.5	16
36	What makes bowling balls hook?. American Journal of Physics, 2004, 72, 1170-1177.	0.7	15

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37	Resource Letter PS-2: Physics of Sports. American Journal of Physics, 2011, 79, 565-574.	0.7	15
38	Natural and Induced Seismicity in the Texas and Oklahoma Panhandles. Seismological Research Letters, 2018, 89, 2437-2446.	1.9	11
39	A survey of earthquakes and injection well locations in the Barnett Shale, Texas. The Leading Edge, 2012, 31, 1446-1451.	0.7	10
40	Resource letter PSâ€1: Physics of sports. American Journal of Physics, 1986, 54, 590-593.	0.7	7
41	Research Note: Felt Reports from the 20 July 1991 Falls City Earthquake, Karnes County, Texas. Seismological Research Letters, 1992, 63, 603-604.	1.9	7
42	Comments on â€˜â€˜Is a baseball a sandâ€roughened sphere?â€™â€™. American Journal of Physics, 1985, 53, 583-583.	0.7	4
43	Reprint of: Two-year survey of earthquakes and injection/production wells in the Eagle Ford Shale, Texas, prior to the <mml:math xmlns:mml="http://www.w3.org/1998/Math/MathML" altimg="si1.gif" overflow="scroll"><mml:msub><mml:mrow><mml:mi mathvariant="normal">M</mml:mi></mml:mrow><mml:mrow><mml:mi mathvariant="normal">W</mml:mi></mml:mrow></mml:msub><mml:mn>4.8</mml:mn></mml:math> 20 October 2011 earthquake. Earth and Planetary Science Letters, 2014, 402, 257-264.	4.4	3
44	New rumbles on deep sources. Nature, 1989, 341, 687-688.	27.8	2
45	Exercise in Active Tectonics: An Introduction to Earthquakes and Tectonic Geomorphology. Eos, 1996, 77, 323.	0.1	0
46	Structure and Fate of Subducting Slabs. Eos, 1997, 78, 373.	0.1	0
47	Fundamentals of geophysics. Eos, 1998, 79, 187-187.	0.1	0
48	The Road to Total Earthquake Safety. Eos, 1999, 80, 540.	0.1	0
49	Assessing geohazards near Kingston Jamaica: New results from chirp seismic imaging. , 2011, , .		0