

Cliff Frohlich

List of Publications by Year in descending order

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Version: 2024-02-01

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	A process-based approach to understanding and managing triggered seismicity. <i>Nature</i> , 2021, 595, 684-689.	27.8	28
2	Onset and Cause of Increased Seismic Activity Near Pecos, West Texas, United States, From Observations at the Lajitas TXAR Seismic Array. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB017737.	3.4	31
3	Natural and Induced Seismicity in the Texas and Oklahoma Panhandles. <i>Seismological Research Letters</i> , 2018, 89, 2437-2446.	1.9	11
4	Stress Orientations in the Fort Worth Basin, Texas, Determined from Earthquake Focal Mechanisms. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 1124-1132.	2.3	21
5	A Historical Review of Induced Earthquakes in Texas. <i>Seismological Research Letters</i> , 2016, 87, 1022-1038.	1.9	129
6	Ellenburger wastewater injection and seismicity in North Texas. <i>Physics of the Earth and Planetary Interiors</i> , 2016, 261, 54-68.	1.9	90
7	Causal factors for seismicity near Azle, Texas. <i>Nature Communications</i> , 2015, 6, 6728.	12.8	168
8	Variable Holocene deformation above a shallow subduction zone extremely close to the trench. <i>Nature Communications</i> , 2015, 6, 7607.	12.8	17
9	The 17 May 2012 $M=4.8$ earthquake near Timpson, East Texas: An event possibly triggered by fluid injection. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 581-593.	3.4	101
10	Reprint of: Two-year survey of earthquakes and injection/production wells in the Eagle Ford Shale, Texas, prior to the $M=4.8$ earthquake near Timpson, East Texas. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 581-593.	4.4	3
11	Two-year survey comparing earthquake activity and injection-well locations in the Barnett Shale, Texas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13934-13938.	4.4	54
12	Gas injection may have triggered earthquakes in the Cogdell oil field, Texas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 18786-18791.	7.1	101
13	Two-year survey comparing earthquake activity and injection-well locations in the Barnett Shale, Texas. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 13934-13938.	7.1	221
14	A survey of earthquakes and injection well locations in the Barnett Shale, Texas. <i>The Leading Edge</i> , 2012, 31, 1446-1451.	0.7	10
15	Resource Letter PS-2: Physics of Sports. <i>American Journal of Physics</i> , 2011, 79, 565-574.	0.7	15
16	Assessing geohazards near Kingston Jamaica: New results from chirp seismic imaging. , 2011, , .		0
17	Arc segmentation and seismicity in the Solomon Islands arc, SW Pacific. <i>Tectonophysics</i> , 2011, 507, 47-69.	2.2	17
18	High tsunami frequency as a result of combined strike-slip faulting and coastal landslides. <i>Nature Geoscience</i> , 2010, 3, 783-788.	12.9	77

#	ARTICLE	IF	CITATIONS
19	Rupture across arc segment and plate boundaries in the 1 April 2007 Solomons Earthquake. <i>Nature Geoscience</i> , 2008, 1, 253-257.	12.9	83
20	Kinematics and segmentation of the South Shetland Islands-Bransfield basin system, northern Antarctic Peninsula. <i>Geochemistry, Geophysics, Geosystems</i> , 2008, 9, .	2.5	24
21	Comparison of seismic moment release rates along different types of plate boundaries. <i>Geophysical Journal International</i> , 2007, 171, 909-920.	2.4	21
22	Possible extra-Solar-System cause for certain lunar seismic events. <i>Icarus</i> , 2006, 185, 21-28.	2.5	16
23	What makes bowling balls hook?. <i>American Journal of Physics</i> , 2004, 72, 1170-1177.	0.7	15
24	Global seismicity characteristics of subduction-to-strike-slip transitions. <i>Journal of Geophysical Research</i> , 2001, 106, 19443-19452.	3.3	23
25	Analysis of publications and citations from a geophysics research institute. <i>Journal of the Association for Information Science and Technology</i> , 2001, 52, 701-713.	2.6	18
26	The Road to Total Earthquake Safety. <i>Eos</i> , 1999, 80, 540.	0.1	0
27	How well constrained are well-constrained T, B, and P axes in moment tensor catalogs?. <i>Journal of Geophysical Research</i> , 1999, 104, 4901-4910.	3.3	99
28	Fundamentals of geophysics. <i>Eos</i> , 1998, 79, 187-187.	0.1	0
29	Structure and Fate of Subducting Slabs. <i>Eos</i> , 1997, 78, 373.	0.1	0
30	Exercise in Active Tectonics: An Introduction to Earthquakes and Tectonic Geomorphology. <i>Eos</i> , 1996, 77, 323.	0.1	0
31	Application of Very Fast Simulated Annealing to the Determination of the Crustal Structure Beneath Tibet. <i>Geophysical Journal International</i> , 1996, 125, 355-370.	2.4	71
32	A break in the deep. <i>Nature</i> , 1994, 368, 100-101.	27.8	32
33	Did (Or Will) Fluid Injection Cause Earthquakes? - Criteria for a Rational Assessment. <i>Seismological Research Letters</i> , 1993, 64, 207-224.	1.9	142
34	Earthquake focal mechanisms, moment tensors, and the consistency of seismic activity near plate boundaries. <i>Tectonics</i> , 1992, 11, 279-296.	2.8	160
35	Triangle diagrams: ternary graphs to display similarity and diversity of earthquake focal mechanisms. <i>Physics of the Earth and Planetary Interiors</i> , 1992, 75, 193-198.	1.9	277
36	Research Note: Felt Reports from the 20 July 1991 Falls City Earthquake, Karnes County, Texas. <i>Seismological Research Letters</i> , 1992, 63, 603-604.	1.9	7

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37	Single-Link Cluster Analysis, Synthetic Earthquake Catalogues, and Aftershock Identification. Geophysical Journal International, 1991, 104, 289-306.	2.4	103
38	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
39	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
40	New rumbles on deep sources. Nature, 1989, 341, 687-688.	27.8	2
41	Note concerning possible mechanisms for non-double-couple earthquake sources. Geophysical Research Letters, 1989, 16, 523-526.	4.0	38
42	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
43	Resource letter PS-1: Physics of sports. American Journal of Physics, 1986, 54, 590-593.	0.7	7
44	Comments on "Is a baseball a sand-roughened sphere?". American Journal of Physics, 1985, 53, 583-583.	0.7	4
45	Identification of aftershocks of deep earthquakes by a new ratios method. Geophysical Research Letters, 1985, 12, 713-716.	4.0	22
46	Aerodynamic drag crisis and its possible effect on the flight of baseballs. American Journal of Physics, 1984, 52, 325-334.	0.7	61
47	The Natural Selection of Sexual Cannibalism. American Naturalist, 1984, 123, 612-625.	2.1	120
48	Aerodynamic effects on discus flight. American Journal of Physics, 1981, 49, 1125-1132.	0.7	24
49	Do springboard divers violate angular momentum conservation?. American Journal of Physics, 1979, 47, 583-592.	0.7	89