Maya Tolstoy

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/1732304/publications.pdf

Version: 2024-02-01

46 papers	2,493 citations	257357 24 h-index	223716 46 g-index
49 all docs	49 docs citations	49 times ranked	2406 citing authors

#	Article	IF	Citations
1	Magnitude of the 2010 Gulf of Mexico Oil Leak. Science, 2010, 330, 634-634.	6.0	433
2	Crustal Thickness on the Mid-Atlantic Ridge: Bull's-Eye Gravity Anomalies and Focused Accretion. Science, 1993, 262, 726-729.	6.0	241
3	A Sea-Floor Spreading Event Captured by Seismometers. Science, 2006, 314, 1920-1922.	6.0	169
4	Seismic identification of along-axis hydrothermal flow on the East Pacific Rise. Nature, 2008, 451, 181-184.	13.7	136
5	Breathing of the seafloor: Tidal correlations of seismicity at Axial volcano. Geology, 2002, 30, 503.	2.0	117
6	The Cascadia Initiative: A Sea Change In Seismological Studies of Subduction Zones. Oceanography, 2014, 27, 138-150.	0.5	106
7	Aftershock sequences in the mid-ocean ridge environment: an analysis using hydroacoustic data. Tectonophysics, 2002, 354, 49-70.	0.9	87
8	Evidence of recent volcanic activity on the ultraslow-spreading Gakkel ridge. Nature, 2001, 409, 808-812.	13.7	86
9	Seismic constraints on caldera dynamics from the 2015 Axial Seamount eruption. Science, 2016, 354, 1395-1399.	6.0	84
10	Antarctic-type blue whale calls recorded at low latitudes in the Indian and eastern Pacific Oceans. Deep-Sea Research Part I: Oceanographic Research Papers, 2004, 51, 1337-1346.	0.6	83
11	Seismic character of volcanic activity at the ultraslow-spreading Gakkel Ridge. Geology, 2001, 29, 1139.	2.0	81
12	Midâ€ocean ridge eruptions as a climate valve. Geophysical Research Letters, 2015, 42, 1346-1351.	1.5	77
13	Seasonal detection of three types of â€œpygmyâ€•blue whale calls in the Indian Ocean. Marine Mammal Science, 2011, 27, 828-840.	0.9	75
14	Magma storage beneath Axial volcano on the Juan de Fuca mid-ocean ridge. Nature, 2001, 413, 833-836.	13.7	74
15	Mantle control of a dynamically evolving spreading center: Mid-Atlantic Ridge 31â€“34Â°S. Earth and Planetary Science Letters, 1994, 121, 451-468.	1.8	70
16	Pulse of the seafloor: Tidal triggering of microearthquakes at 9Â°50â€²N East Pacific Rise. Geophysical Research Letters, 2007, 34, .	1.5	58
17	Systematic alongâ€axis tidal triggering of microearthquakes observed at 9Â°50â€²N East Pacific Rise. Geophysical Research Letters, 2009, 36, .	1.5	40
18	Dynamics of a seafloor-spreading episode at the East Pacific Rise. Nature, 2016, 540, 261-265.	13.7	39

#	Article	IF	Citations
19	Hydroacoustic Constraints on the Rupture Duration, Length, and Speed of the Great Sumatra-Andaman Earthquake. Seismological Research Letters, 2005, 76, 419-425.	0.8	38
20	The Recent Volcanic History of Axial Seamount: Geophysical Insights into Past Eruption Dynamics with an Eye Toward Enhanced Observations of Future Eruptions. Oceanography, 2018, 31, 114-123.	0.5	34
21	Interrelationships Between Vent Fluid Chemistry, Temperature, Seismic Activity, and Biological Community Structure at a Mussel-Dominated, Deep-Sea Hydrothermal Vent Along the East Pacific Rise. Journal of Shellfish Research, 2008, 27, 177-190.	0.3	31
22	January 2006 seafloorâ€spreading event at 9Â°50â€²N, East Pacific Rise: Ridge dike intrusion and transform fault interactions from regional hydroacoustic data. Geochemistry, Geophysics, Geosystems, 2009, 10, .	1.0	29
23	Time-clustering behavior of spreading-center seismicity between 15 and 35Â°N on the Mid-Atlantic Ridge: observations from hydroacoustic monitoring. Physics of the Earth and Planetary Interiors, 2003, 138, 147-161.	0.7	28
24	New Opportunities to Study Earthquake Precursors. Seismological Research Letters, 2020, 91, 2444-2447.	0.8	27
25	Short and long baseline tiltmeter measurements on axial seamount, Juan de Fuca Ridge. Physics of the Earth and Planetary Interiors, 1998, 108, 129-141.	0.7	25
26	Mechanics of fault reactivation before, during, and after the 2015 eruption of Axial Seamount. Geology, 2018, 46, 447-450.	2.0	25
27	Permeability structure of young ocean crust from poroelastically triggered earthquakes. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	24
28	Axial Seamount: Periodic tidal loading reveals stress dependence of the earthquake size distribution (b value). Earth and Planetary Science Letters, 2019, 512, 39-45.	1.8	23
29	Seismogenic structure and processes associated with magma inflation and hydrothermal circulation beneath the East Pacific Rise at 9Â°50â€²N. Geochemistry, Geophysics, Geosystems, 2011, 12, n/a-n/a.	1.0	21
30	Comparison of Teleseismically and Hydroacoustically Derived Earthquake Locations along the North-central Mid-Atlantic Ridge and Equatorial East Pacific Rise. Seismological Research Letters, 2003, 74, 791-802.	0.8	19
31	Tidal Triggering of Microearthquakes Over an Eruption Cycle at 9Â°50'N East Pacific Rise. Geophysical Research Letters, 2018, 45, 1825-1831.	1.5	17
32	Shallow-crustal magma chamber beneath the axial high of the Coaxial segment of Juan de Fuca Ridge at the source site of the 1993 eruption. Geology, 2002, 30, 359.	2.0	13
33	Hydroacoustic contributions to understanding the December 26th 2004 great Sumatraâ€“Andaman Earthquake. Surveys in Geophysics, 2006, 27, 633-646.	2.1	13
34	Seismotectonics of Mid-Ocean Ridge Propagation in Hess Deep. Science, 2002, 298, 1765-1768.	6.0	11
35	Influence of fortnightly tides on earthquake triggering at the East Pacific Rise at 9Â°50â€²N. Journal of Geophysical Research: Solid Earth, 2016, 121, 1262-1279.	1.4	11
36	Precision Seismic Monitoring and Analysis at Axial Seamount Using a Realâ€Time Doubleâ€Difference System. Journal of Geophysical Research: Solid Earth, 2020, 125, e2019JB018796.	1.4	11

#	Article	IF	Citations
37	Estimating shallow water sound power levels and mitigation radii for theR/VMarcusG.Langsethusing an 8 km long MCS streamer. Geochemistry, Geophysics, Geosystems, 2014, 15, 3793-3807.	1.0	6
38	Introduction to the Special Issue: From RIDGE to Ridge 2000. Oceanography, 2012, 25, 12-17.	0.5	5
39	A Tale of Two Eruptions: How Data from Axial Seamount Led to a Discovery on the East Pacific Rise. Oceanography, 2018, 31, 124-125.	0.5	5
40	A Joint Inversion for Threeâ€dimensional P and S Wave Velocity Structure and Earthquake Locations Beneath Axial Seamount. Journal of Geophysical Research: Solid Earth, 2019, 124, 12997-13020.	1.4	5
41	Constraints on the mantle temperature gradient along the Southeast Indian Ridge from crustal structure and isostasy: implications for the transition from an axial high to an axial valley. Geophysical Journal International, 2009, 179, 144-153.	1.0	4
42	Estimating the location of baleen whale calls using dual streamers to support mitigation procedures in seismic reflection surveys. PLoS ONE, 2017, 12, e0171115.	1.1	4
43	Utilizing the R/V Marcus G. Langsethâ€™s streamer to measure the acoustic radiation of its seismic source in the shallow waters of New Jerseyâ€™s continental shelf. PLoS ONE, 2017, 12, e0183096.	1.1	3
44	Where there's smoke there's fire. Nature Geoscience, 2009, 2, 463-464.	5.4	2
45	Sound source localization technique using a seismic streamer and its extension for whale localization during seismic surveys. Journal of the Acoustical Society of America, 2015, 138, 3951-3963.	0.5	2
46	What Lies Beneath. Science, 2010, 328, 54-55.	6.0	0