

Maya Tolstoy

List of Publications by Year in descending order

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46
papers

2,493
citations

257357

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docs citations

49
times ranked

2406
citing authors

#	ARTICLE	IF	CITATIONS
1	New Opportunities to Study Earthquake Precursors. <i>Seismological Research Letters</i> , 2020, 91, 2444-2447.	0.8	27
2	Precision Seismic Monitoring and Analysis at Axial Seamount Using a Real-Time Double-Difference System. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018796.	1.4	11
3	Axial Seamount: Periodic tidal loading reveals stress dependence of the earthquake size distribution (b value). <i>Earth and Planetary Science Letters</i> , 2019, 512, 39-45.	1.8	23
4	A Joint Inversion for Three-dimensional P and S Wave Velocity Structure and Earthquake Locations Beneath Axial Seamount. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 12997-13020.	1.4	5
5	Tidal Triggering of Microearthquakes Over an Eruption Cycle at 9°50'N East Pacific Rise. <i>Geophysical Research Letters</i> , 2018, 45, 1825-1831.	1.5	17
6	Mechanics of fault reactivation before, during, and after the 2015 eruption of Axial Seamount. <i>Geology</i> , 2018, 46, 447-450.	2.0	25
7	A Tale of Two Eruptions: How Data from Axial Seamount Led to a Discovery on the East Pacific Rise. <i>Oceanography</i> , 2018, 31, 124-125.	0.5	5
8	The Recent Volcanic History of Axial Seamount: Geophysical Insights into Past Eruption Dynamics with an Eye Toward Enhanced Observations of Future Eruptions. <i>Oceanography</i> , 2018, 31, 114-123.	0.5	34
9	Utilizing the R/V Marcus G. Langseth's streamer to measure the acoustic radiation of its seismic source in the shallow waters of New Jersey's continental shelf. <i>PLoS ONE</i> , 2017, 12, e0183096.	1.1	3
10	Estimating the location of baleen whale calls using dual streamers to support mitigation procedures in seismic reflection surveys. <i>PLoS ONE</i> , 2017, 12, e0171115.	1.1	4
11	Seismic constraints on caldera dynamics from the 2015 Axial Seamount eruption. <i>Science</i> , 2016, 354, 1395-1399.	6.0	84
12	Influence of fortnightly tides on earthquake triggering at the East Pacific Rise at 9°50'N. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 1262-1279.	1.4	11
13	Dynamics of a seafloor-spreading episode at the East Pacific Rise. <i>Nature</i> , 2016, 540, 261-265.	13.7	39
14	Sound source localization technique using a seismic streamer and its extension for whale localization during seismic surveys. <i>Journal of the Acoustical Society of America</i> , 2015, 138, 3951-3963.	0.5	2
15	Mid-ocean ridge eruptions as a climate valve. <i>Geophysical Research Letters</i> , 2015, 42, 1346-1351.	1.5	77
16	The Cascadia Initiative: A Sea Change In Seismological Studies of Subduction Zones. <i>Oceanography</i> , 2014, 27, 138-150.	0.5	106
17	Estimating shallow water sound power levels and mitigation radii for the R/V Marcus G. Langseth using an 8 km long MCS streamer. <i>Geochemistry, Geophysics, Geosystems</i> , 2014, 15, 3793-3807.	1.0	6
18	Introduction to the Special Issue: From RIDGE to Ridge 2000. <i>Oceanography</i> , 2012, 25, 12-17.	0.5	5

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19	Seismogenic structure and processes associated with magma inflation and hydrothermal circulation beneath the East Pacific Rise at 9°50'N. <i>Geochemistry, Geophysics, Geosystems</i> , 2011, 12, n/a-n/a.	1.0	21
20	Permeability structure of young ocean crust from poroelastically triggered earthquakes. <i>Geophysical Research Letters</i> , 2011, 38, n/a-n/a.	1.5	24
21	Seasonal detection of three types of "pygmy" blue whale calls in the Indian Ocean. <i>Marine Mammal Science</i> , 2011, 27, 828-840.	0.9	75
22	What Lies Beneath. <i>Science</i> , 2010, 328, 54-55.	6.0	0
23	Magnitude of the 2010 Gulf of Mexico Oil Leak. <i>Science</i> , 2010, 330, 634-634.	6.0	433
24	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. <i>Geophysical Journal International</i> , 2009, 179, 144-153.	1.0	4
25	Where there's smoke there's fire. <i>Nature Geoscience</i> , 2009, 2, 463-464.	5.4	2
26	January 2006 seafloor-spreading event at 9°50'N, East Pacific Rise: Ridge dike intrusion and transform fault interactions from regional hydroacoustic data. <i>Geochemistry, Geophysics, Geosystems</i> , 2009, 10, .	1.0	29
27	Systematic along-axis tidal triggering of microearthquakes observed at 9°50'N East Pacific Rise. <i>Geophysical Research Letters</i> , 2009, 36, .	1.5	40
28	Seismic identification of along-axis hydrothermal flow on the East Pacific Rise. <i>Nature</i> , 2008, 451, 181-184.	13.7	136
29	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. <i>Journal of Shellfish Research</i> , 2008, 27, 177-190.	0.3	31
30	Pulse of the seafloor: Tidal triggering of microearthquakes at 9°50'N East Pacific Rise. <i>Geophysical Research Letters</i> , 2007, 34, .	1.5	58
31	Hydroacoustic contributions to understanding the December 26th 2004 great Sumatra-Andaman Earthquake. <i>Surveys in Geophysics</i> , 2006, 27, 633-646.	2.1	13
32	A Sea-Floor Spreading Event Captured by Seismometers. <i>Science</i> , 2006, 314, 1920-1922.	6.0	169
33	Hydroacoustic Constraints on the Rupture Duration, Length, and Speed of the Great Sumatra-Andaman Earthquake. <i>Seismological Research Letters</i> , 2005, 76, 419-425.	0.8	38
34	Antarctic-type blue whale calls recorded at low latitudes in the Indian and eastern Pacific Oceans. <i>Deep-Sea Research Part I: Oceanographic Research Papers</i> , 2004, 51, 1337-1346.	0.6	83
35	Time-clustering behavior of spreading-center seismicity between 15 and 35°N on the Mid-Atlantic Ridge: observations from hydroacoustic monitoring. <i>Physics of the Earth and Planetary Interiors</i> , 2003, 138, 147-161.	0.7	28
36	Comparison of Teleseismically and Hydroacoustically Derived Earthquake Locations along the North-central Mid-Atlantic Ridge and Equatorial East Pacific Rise. <i>Seismological Research Letters</i> , 2003, 74, 791-802.	0.8	19

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37	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. <i>Geology</i> , 2002, 30, 359.	2.0	13
38	Breathing of the seafloor: Tidal correlations of seismicity at Axial volcano. <i>Geology</i> , 2002, 30, 503.	2.0	117
39	Seismotectonics of Mid-Ocean Ridge Propagation in Hess Deep. <i>Science</i> , 2002, 298, 1765-1768.	6.0	11
40	Aftershock sequences in the mid-ocean ridge environment: an analysis using hydroacoustic data. <i>Tectonophysics</i> , 2002, 354, 49-70.	0.9	87
41	Seismic character of volcanic activity at the ultraslow-spreading Gakkel Ridge. <i>Geology</i> , 2001, 29, 1139.	2.0	81
42	Evidence of recent volcanic activity on the ultraslow-spreading Gakkel ridge. <i>Nature</i> , 2001, 409, 808-812.	13.7	86
43	Magma storage beneath Axial volcano on the Juan de Fuca mid-ocean ridge. <i>Nature</i> , 2001, 413, 833-836.	13.7	74
44	Short and long baseline tiltmeter measurements on axial seamount, Juan de Fuca Ridge. <i>Physics of the Earth and Planetary Interiors</i> , 1998, 108, 129-141.	0.7	25
45	Mantle control of a dynamically evolving spreading center: Mid-Atlantic Ridge 31°34'S. <i>Earth and Planetary Science Letters</i> , 1994, 121, 451-468.	1.8	70
46	Crustal Thickness on the Mid-Atlantic Ridge: Bull's-Eye Gravity Anomalies and Focused Accretion. <i>Science</i> , 1993, 262, 726-729.	6.0	241