

Daniel T Trugman

List of Publications by Year in descending order

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Version: 2024-02-01

37
papers

1,710
citations

394286

19
h-index

330025

37
g-index

44
all docs

44
docs citations

44
times ranked

1579
citing authors

#	ARTICLE	IF	CITATIONS
1	Tidal modulation of seismicity at the Coso geothermal field. <i>Earth and Planetary Science Letters</i> , 2022, 579, 117335.	1.8	11
2	Machine Learning for Fast and Reliable Source-Location Estimation in Earthquake Early Warning. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	1.4	13
3	Resolving Differences in the Rupture Properties of M5 Earthquakes in California Using Bayesian Source Spectral Analysis. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	7
4	Big Data Seismology. <i>Reviews of Geophysics</i> , 2022, 60, .	9.0	24
5	The High-Frequency Signature of Slow and Fast Laboratory Earthquakes. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	6
6	Improved Stress Drop Estimates for M 1.5 to 4 Earthquakes in Southern California From 1996 to 2019. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	1.4	8
7	Source Spectral Properties of Earthquakes in the Delaware Basin of West Texas. <i>Seismological Research Letters</i> , 2021, 92, 2477-2489.	0.8	10
8	SeismoGen: Seismic Waveform Synthesis Using GAN With Application to Seismic Data Augmentation. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020077.	1.4	30
9	The Proliferation of Induced Seismicity in the Permian Basin, Texas. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB021921.	1.4	11
10	Impact Versus Frictional Earthquake Models for High-Frequency Radiation in Complex Fault Zones. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022313.	1.4	11
11	Does Earthquake Stress Drop Increase With Depth in the Crust?. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022314.	1.4	25
12	Earthquake Source Complexity Controls the Frequency Dependence of Near-Source Radiation Patterns. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095022.	1.5	14
13	Fault Interactions Enhance High-Frequency Earthquake Radiation. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL095271.	1.5	15
14	Imaging Stress and Faulting Complexity Through Earthquake Waveform Similarity. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085888.	1.5	27
15	The Spatiotemporal Evolution of Granular Microslip Precursors to Laboratory Earthquakes. <i>Geophysical Research Letters</i> , 2020, 47, e2020GL088404.	1.5	20
16	3D fault architecture controls the dynamism of earthquake swarms. <i>Science</i> , 2020, 368, 1357-1361.	6.0	117
17	Directivity Modes of Earthquake Populations with Unsupervised Learning. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018299.	1.4	16
18	Stress-Drop and Source Scaling of the 2019 Ridgecrest, California, Earthquake Sequence. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 1859-1871.	1.1	29

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19	Pervasive Foreshock Activity Across Southern California. <i>Geophysical Research Letters</i> , 2019, 46, 8772-8781.	1.5	63
20	Searching for hidden earthquakes in Southern California. <i>Science</i> , 2019, 364, 767-771.	6.0	212
21	Peak Ground Displacement Saturates Exactly When Expected: Implications for Earthquake Early Warning. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 4642-4653.	1.4	55
22	Machine Learning in Seismology: Turning Data into Insights. <i>Seismological Research Letters</i> , 2019, 90, 3-14.	0.8	302
23	Comparing EGF Methods for Estimating Corner Frequency and Stress Drop From P Wave Spectra. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 3966-3986.	1.4	69
24	Deciphering the Stress State of Seismogenic Faults in Oklahoma and Southern Kansas Based on an Improved Stress Map. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 12920-12934.	1.4	23
25	Strong Correlation between Stress Drop and Peak Ground Acceleration for Recent $M \geq 4$ Earthquakes in the San Francisco Bay Area. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 929-945.	1.1	70
26	Afterslip Enhanced Aftershock Activity During the 2017 Earthquake Sequence Near Sulphur Peak, Idaho. <i>Geophysical Research Letters</i> , 2018, 45, 5352-5361.	1.5	21
27	GrowClust: A Hierarchical Clustering Algorithm for Relative Earthquake Relocation, with Application to the Spanish Springs and Sheldon, Nevada, Earthquake Sequences. <i>Seismological Research Letters</i> , 2017, 88, 379-391.	0.8	165
28	Application of an improved spectral decomposition method to examine earthquake source scaling in Southern California. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 2890-2910.	1.4	61
29	Source Spectral Properties of Small to Moderate Earthquakes in Southern Kansas. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 8021-8034.	1.4	44
30	A comparison of long-term changes in seismicity at The Geysers, Salton Sea, and Coso geothermal fields. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 225-247.	1.4	36
31	Statistical tests on clustered global earthquake synthetic data sets. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 5693-5716.	1.4	6
32	Spatial-temporal variation of low-frequency earthquake bursts near Parkfield, California. <i>Geophysical Journal International</i> , 2015, 202, 914-919.	1.0	13
33	Synchronous low frequency earthquakes and implications for deep San Andreas Fault slip. <i>Earth and Planetary Science Letters</i> , 2015, 424, 132-139.	1.8	11
34	A 2D Pseudodynamic Rupture Model Generator for Earthquakes on Geometrically Complex Faults. <i>Bulletin of the Seismological Society of America</i> , 2014, 104, 95-112.	1.1	30
35	Did stresses from the Cerro Prieto Geothermal Field influence the El Mayor-Cucapah rupture sequence?. <i>Geophysical Research Letters</i> , 2014, 41, 8767-8774.	1.5	19
36	Modeling dynamic triggering of tectonic tremor using a brittle-ductile friction model. <i>Geophysical Research Letters</i> , 2013, 40, 5075-5079.	1.5	7

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37	Acoustic emission and microslip precursors to stick-slip failure in sheared granular material. Geophysical Research Letters, 2013, 40, 5627-5631.	1.5	105