

Zachary E. Ross

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5431669/publications.pdf>

Version: 2024-02-01

35
papers

1,982
citations

394421

19
h-index

361022

35
g-index

41
all docs

41
docs citations

41
times ranked

1747
citing authors

#	ARTICLE	IF	CITATIONS
1	Deep Learning-Based Damage Mapping With InSAR Coherence Time Series. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2022, 60, 1-17.	6.3	13
2	A unified perspective of seismicity and fault coupling along the San Andreas Fault. <i>Science Advances</i> , 2022, 8, eabk1167.	10.3	19
3	Bayesian Framework for Inversion of Second-Order Stress Glut Moments: Application to the 2019 Ridgecrest Sequence Mainshock. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	1
4	Aftershock Moment Tensor Scattering. <i>Geophysical Research Letters</i> , 2022, 49, .	4.0	2
5	Data-Driven Synthesis of Broadband Earthquake Ground Motions Using Artificial Intelligence. <i>Bulletin of the Seismological Society of America</i> , 2022, 112, 1979-1996.	2.3	11
6	EikoNet: Solving the Eikonal Equation With Deep Neural Networks. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 10685-10696.	6.3	59
7	Inverse Migration of Seismicity Quiescence During the 2019 Ridgecrest Sequence. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020329.	3.4	3
8	Anisotropy Variations in the Alaska Subduction Zone Based on Shear-Wave Splitting From Intraslab Earthquakes. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2020GC009558.	2.5	7
9	Southern California Earthquake Data Now Available in the AWS Cloud. <i>Seismological Research Letters</i> , 2021, 92, 3238-3247.	1.9	5
10	Evidence for Latent Crustal Fluid Injection Transients in Southern California From Long-Duration Earthquake Swarms. <i>Geophysical Research Letters</i> , 2021, 48, e2021GL092465.	4.0	27
11	Basal nucleation and the prevalence of ascending swarms in Long Valley caldera. <i>Science Advances</i> , 2021, 7, .	10.3	8
12	Seismic Wave Propagation and Inversion with Neural Operators. <i>The Seismic Record</i> , 2021, 1, 126-134.	3.1	19
13	Extracting Dispersion Curves From Ambient Noise Correlations Using Deep Learning. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020, 58, 8932-8939.	6.3	30
14	3D fault architecture controls the dynamism of earthquake swarms. <i>Science</i> , 2020, 368, 1357-1361.	12.6	117
15	Estimation of radiated energy using the KiK-net downhole recordsâ€”old method for modern data. <i>Geophysical Journal International</i> , 2020, 221, 1029-1042.	2.4	17
16	Tectonic Inheritance With Dipping Faults and Deformation Fabric in the Brittle and Ductile Southern California Crust. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB019525.	3.4	17
17	Directivity Modes of Earthquake Populations with Unsupervised Learning. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018299.	3.4	16
18	Pervasive Foreshock Activity Across Southern California. <i>Geophysical Research Letters</i> , 2019, 46, 8772-8781.	4.0	63

#	ARTICLE	IF	CITATIONS
19	Hierarchical interlocked orthogonal faulting in the 2019 Ridgecrest earthquake sequence. <i>Science</i> , 2019, 366, 346-351.	12.6	284
20	Searching for hidden earthquakes in Southern California. <i>Science</i> , 2019, 364, 767-771.	12.6	212
21	Slow-Growing and Extended-Duration Seismicity Swarms: Reactivating Joints or Foliations in the Cahuilla Valley Pluton, Central Peninsular Ranges, Southern California. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 3933-3949.	3.4	13
22	Reliable Real-Time Seismic Signal/Noise Discrimination With Machine Learning. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 788-800.	3.4	80
23	PhaseLink: A Deep Learning Approach to Seismic Phase Association. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 856-869.	3.4	136
24	Reviving <i>m</i> . <i>Geophysical Journal International</i> , 2019, 216, 1798-1816.	2.4	13
25	Internal structure of the San Jacinto fault zone in the trifurcation area southeast of Anza, California, from data of dense seismic arrays. <i>Geophysical Journal International</i> , 2018, 213, 98-114.	2.4	44
26	Dissipative Intraplate Faulting During the 2016 <i>M_w</i> 6.2 Tottori, Japan Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 1631-1642.	3.4	26
27	Induced Earthquake Families Reveal Distinctive Evolutionary Patterns Near Disposal Wells. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 8045-8055.	3.4	27
28	Diverse Volumetric Faulting Patterns in the San Jacinto Fault Zone. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 5068-5081.	3.4	19
29	<i>P</i> Wave Arrival Picking and First-Motion Polarity Determination With Deep Learning. <i>Journal of Geophysical Research: Solid Earth</i> , 2018, 123, 5120-5129.	3.4	333
30	Evolution of seismicity near the southernmost terminus of the San Andreas Fault: Implications of recent earthquake clusters for earthquake risk in southern California. <i>Geophysical Research Letters</i> , 2017, 44, 1293-1301.	4.0	18
31	Anomalously large complete stress drop during the 2016 <i>M_w</i> 5.2 Borrego Springs earthquake inferred by waveform modeling and near-source aftershock deficit. <i>Geophysical Research Letters</i> , 2017, 44, 5994-6001.	4.0	28
32	Abundant off-fault seismicity and orthogonal structures in the San Jacinto fault zone. <i>Science Advances</i> , 2017, 3, e1601946.	10.3	93
33	The 2016 Kumamoto <i>M_w</i> 7.0 Earthquake: A Significant Event in a Fault-Volcano System. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 9166-9183.	3.4	63
34	Aftershocks driven by afterslip and fluid pressure sweeping through a fault-fracture mesh. <i>Geophysical Research Letters</i> , 2017, 44, 8260-8267.	4.0	106
35	Toward reliable automated estimates of earthquake source properties from body wave spectra. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 4390-4407.	3.4	50