Eric M Thompson

List of Publications by Year
in descending order

64 papers	2,835 citations	236925 25 h-index	189892 50 g-index
71 all docs	71 docs citations	71 times ranked	1684 citing authors

#	Article	IF	Citations
1	ShakeMap operations, policies, and procedures. Earthquake Spectra, 2022, 38, 756-777.	3.1	31
2	The US Geological Survey ground failure product: Near-real-time estimates of earthquake-triggered landslides and liquefaction. Earthquake Spectra, 2022, 38, 5-36.	3.1	16
3	Basin and Site Effects in the U.S. Pacific Northwest Estimated from Small-Magnitude Earthquakes. Bulletin of the Seismological Society of America, 2022, 112, 438-456.	2.3	4
4	The Impact of 3D Finite-Fault Information on Ground-Motion Forecasting for Earthquake Early Warning. Bulletin of the Seismological Society of America, 2022, 112, 779-802.	2.3	4
5	Partitioning Ground Motion Uncertainty When Conditioned on Station Data. Bulletin of the Seismological Society of America, 2022, 112, 1060-1079.	2.3	6
6	Automated Detection of Clipping in Broadband Earthquake Records. Seismological Research Letters, 2022, 93, 880-896.	1.9	3
7	The 2018 update of the US National Seismic Hazard Model: Where, why, and how much probabilistic ground motion maps changed. Earthquake Spectra, 2021, 37, 959-987.	3.1	6
8	Earthquakes, ShakeMap. Encyclopedia of Earth Sciences Series, 2021, , 316-321.	0.1	0
9	The 2018 update of the US National Seismic Hazard Model: Ground motion models in the central and eastern US. Earthquake Spectra, 2021, 37, 1354-1390.	3.1	9
10	Seismic Wave Propagation and Basin Amplification in the Wasatch Front, Utah. Seismological Research Letters, 2021, 92, 3626-3641.	1.9	3
11	The 2018 update of the US National Seismic Hazard Model: Ground motion models in the western US. Earthquake Spectra, 2021, 37, 2315-2341.	3.1	12
12	Evaluation of Remote Mapping Techniques for Earthquake-Triggered Landslide Inventories in an Urban Subarctic Environment: A Case Study of the 2018 Anchorage, Alaska Earthquake. Frontiers in Earth Science, 2021, 9, .	1.8	3
13	A near-real-time model for estimating probability of road obstruction due to earthquake-triggered landslides. Earthquake Spectra, 2021, 37, 2400-2418.	3.1	3
14	Selection of random vibration theory procedures for the NGA-East project and ground-motion modeling. Earthquake Spectra, 2021, 37, 1420-1439.	3.1	9
15	Ground Failure from the Anchorage, Alaska, Earthquake of 30 November 2018. Seismological Research Letters, 2020, 91, 19-32.	1.9	19
16	USGS Nearâ€Realâ€Time Productsâ€"and Their Useâ€"for the 2018 Anchorage Earthquake. Seismological Research Letters, 2020, 91, 94-113.	1.9	19
17	Groundâ€Motion Amplification in Cook Inlet Region, Alaska, from Intermediateâ€Depth Earthquakes, Including the 2018 MwÂ7.1 Anchorage Earthquake. Seismological Research Letters, 2020, 91, 142-152.	1.9	17
18	The 2018 update of the US National Seismic Hazard Model: Overview of model and implications. Earthquake Spectra, 2020, 36, 5-41.	3.1	149

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19	Evaluation of Groundâ€Motion Models for U.S. Geological Survey Seismic Hazard Models: 2018 Anchorage, Alaska, MwÂ7.1 Subduction Zone Earthquake Sequence. Seismological Research Letters, 2020, 91, 183-194.	1.9	6
20	Evaluation of Ground-Motion Models for USGS Seismic Hazard Models Using Near-Source Instrumental Ground-Motion Recordings of the Ridgecrest, California, Earthquake Sequence. Bulletin of the Seismological Society of America, 2020, 110, 1517-1529.	2.3	4
21	Near-Field Ground Motions and Shaking from the 2019 MwÂ7.1 Ridgecrest, California, Mainshock: Insights from Instrumental, Macroseismic Intensity, and Remote-Sensing Data. Bulletin of the Seismological Society of America, 2020, 110, 1506-1516.	2.3	10
22	A global hybrid <i>V_S</i>₃₀ map with a topographic slopeâ€"based default and regional map insets. Earthquake Spectra, 2020, 36, 1570-1584.	3.1	82
23	Repeatable Source, Path, and Site Effects from the 2019 MÂ7.1 Ridgecrest Earthquake Sequence. Bulletin of the Seismological Society of America, 2020, 110, 1530-1548.	2.3	23
24	A Machine Learning Approach to Developing Ground Motion Models From Simulated Ground Motions. Geophysical Research Letters, 2020, 47, e2019GL086690.	4.0	20
25	Near-Field Ground Motions from the July 2019 Ridgecrest, California, Earthquake Sequence. Seismological Research Letters, 2020, 91, 1542-1555.	1.9	13
26	The 2019 Ridgecrest, California, Earthquake Sequence Ground Motions: Processed Records and Derived Intensity Metrics. Seismological Research Letters, 2020, 91, 2010-2023.	1.9	29
27	Evaluation of Ground-Motion Models for U.S. Geological Survey Seismic Hazard Forecasts: Hawaii Tectonic Earthquakes and Volcanic Eruptions. Bulletin of the Seismological Society of America, 2020, 110, 666-688.	2.3	8
28	DOCUMENTING AND COMMUNICATING GROUND FAILURE TRIGGERED BY THE 2020 SOUTHWEST PUERTO RICO SEISMIC SEQUENCE. , 2020, , .		1
29	Ground Motions from Induced Earthquakes in Oklahoma and Kansas. Seismological Research Letters, 2019, 90, 160-170.	1.9	12
30	Evaluation of Groundâ€Motion Models for USGS Seismic Hazard Forecasts: Induced and Tectonic Earthquakes in the Central and Eastern United States. Bulletin of the Seismological Society of America, 2019, 109, 322-335.	2.3	12
31	Earthquakes, ShakeMap. Encyclopedia of Earth Sciences Series, 2019, , 1-6.	0.1	1
32	Improving Nearâ€Realâ€Time Coseismic Landslide Models: Lessons Learned from the 2016 KaikÅura, New Zealand, Earthquake. Bulletin of the Seismological Society of America, 2018, 108, 1649-1664.	2.3	48
33	Estimating Rupture Distances without a Rupture. Bulletin of the Seismological Society of America, 2018, 108, 371-379.	2.3	32
34	Spatial and Spectral Interpolation of Groundâ€Motion Intensity Measure Observations. Bulletin of the Seismological Society of America, 2018, 108, 866-875.	2.3	81
35	The Case for Mean Rupture Distance in Groundâ€Motion Estimation. Bulletin of the Seismological Society of America, 2018, 108, 2462-2477.	2.3	17
36	A Flatfile of Ground Motion Intensity Measurements from Induced Earthquakes in Oklahoma and Kansas. Earthquake Spectra, 2018, 34, 1-20.	3.1	31

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37	A Global Empirical Model for Nearâ€Realâ€Time Assessment of Seismically Induced Landslides. Journal of Geophysical Research F: Earth Surface, 2018, 123, 1835-1859.	2.8	135
38	Characterizing the Kathmandu Valley sediment response through strong motion recordings of the 2015 Gorkha earthquake sequence. Tectonophysics, 2017, 714-715, 146-157.	2.2	37
39	An Updated Geospatial Liquefaction Model for Global Application. Bulletin of the Seismological Society of America, 2017, 107, 1365-1385.	2.3	105
40	Uncertainty in<i>V</i>_{<i>S</i>30}â€Based Site Response. Bulletin of the Seismological Society of America, 2016, 106, 453-463.	2.3	20
41	Soil amplification with a strong impedance contrast: Boston, Massachusetts. Engineering Geology, 2016, 202, 1-13.	6.3	30
42	A Geospatial Liquefaction Model for Rapid Response and Loss Estimation. Earthquake Spectra, 2015, 31, 1813-1837.	3.1	59
43	Revisions to Some Parameters Used in Stochasticâ€Method Simulations of Ground Motion. Bulletin of the Seismological Society of America, 2015, 105, 1029-1041.	2.3	75
44	Geotechnical Effects of the 2015 MagnitudeÂ7.8 Gorkha, Nepal, Earthquake and Aftershocks. Seismological Research Letters, 2015, 86, 1514-1523.	1.9	55
45	Comparison of 1D linear, equivalent-linear, and nonlinear site response models at six KiK-net validation sites. Soil Dynamics and Earthquake Engineering, 2015, 69, 207-219.	3.8	146
46	A VS30 Map for California with Geologic and Topographic Constraints. Bulletin of the Seismological Society of America, 2014, 104, 2313-2321.	2.3	85
47	Closure to â€œShear-Wave Velocityâ€“Based Probabilistic and Deterministic Assessment of Seismic Soil Liquefaction Potentialâ€•by R. Kayen, R. E. S. Moss, E. M. Thompson, R. B. Seed, K. O. Cetin, A. Der Kiureghian, Y. Tanaka, and K. Tokimatsu. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2014, 140, 07014006.	3.0	3
48	Development of a globally applicable model for near real-time prediction of seismically induced landslides. Engineering Geology, 2014, 173, 54-65.	6.3	88
49	Path Durations for Use in the Stochastic-Method Simulation of Ground Motions. Bulletin of the Seismological Society of America, 2014, 104, 2541-2552.	2.3	101
50	Shear-Wave Velocityâ€“Based Probabilistic and Deterministic Assessment of Seismic Soil Liquefaction Potential. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2013, 139, 407-419.	3.0	272
51	Critical Parameters Affecting Bias and Variability in Site-Response Analyses Using KiK-net Downhole Array Data. Bulletin of the Seismological Society of America, 2013, 103, 1733-1749.	2.3	143
52	Empirical Improvements for Estimating Earthquake Response Spectra with Random-Vibration Theory. Bulletin of the Seismological Society of America, 2012, 102, 761-772.	2.3	35
53	A taxonomy of site response complexity. Soil Dynamics and Earthquake Engineering, 2012, 41, 32-43.	3.8	145
54	Multiscale Site-Response Mapping: A Case Study of Parkfield, California. Bulletin of the Seismological Society of America, 2011, 101, 1081-1100.	2.3	19

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55	Regional Correlations of VS30 and Velocities Averaged Over Depths Less Than and Greater Than 30 Meters. Bulletin of the Seismological Society of America, 2011, 101, 3046-3059.	2.3	155
56	The Gumbel hypothesis test for left censored observations using regional earthquake records as an example. Natural Hazards and Earth System Sciences, 2011, 11, 115-126.	3.6	5
57	A geostatistical approach to mapping site response spectral amplifications. Engineering Geology, 2010, 114, 330-342.	6.3	34
58	Impediments to Predicting Site Response: Seismic Property Estimation and Modeling Simplifications. Bulletin of the Seismological Society of America, 2009, 99, 2927-2949.	2.3	96
59	Discussion of â€œMapping Liquefaction Potential Considering Spatial Correlations of CPT Measurementsâ€•by Chia-Nan Liu and Chien-Hsun Chen. Journal of Geotechnical and Geoenvironmental Engineering - ASCE, 2008, 134, 262-263.	3.0	4
60	A global index earthquake approach to probabilistic assessment of extremes. Journal of Geophysical Research, 2007, 112, .	3.3	19
61	Spatial correlation of shear-wave velocity in the San Francisco Bay Area sediments. Soil Dynamics and Earthquake Engineering, 2007, 27, 144-152.	3.8	32
62	On using surface-source downhole-receiver logging to determine seismic slownesses. Soil Dynamics and Earthquake Engineering, 2007, 27, 971-985.	3.8	20
63	Geotechnical Reconnaissance of the 2002 Denali Fault, Alaska, Earthquake. Earthquake Spectra, 2004, 20, 639-667.	3.1	25
64	Ground Failure Triggered by the 7 January 2020 MÂ6.4 Puerto Rico Earthquake. Seismological Research Letters, 0, , .	1.9	4