Lisa Grant Ludwig

List of Publications by Year
in descending order

52	1,545	430442	315357
papers	citations	18 h-index	38 g-index

59	59	59	1081
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Slip in the 1857 and Earlier Large Earthquakes Along the Carrizo Plain, San Andreas Fault. Science, 2010, 327, 1119-1122.	6.0	223
2	Community Fault Model (CFM) for Southern California. Bulletin of the Seismological Society of America, 2007, 97, 1793-1802.	1.1	188
3	Paleoseismic evidence of clustered earthquakes on the San Andreas Fault in the Carrizo Plain, California. Journal of Geophysical Research, 1994, 99, 6819.	3.3	171
4	High-Resolution Topography-Derived Offsets along the 1857 Fort Tejon Earthquake Rupture Trace, San Andreas Fault. Bulletin of the Seismological Society of America, 2012, 102, 1135-1154.	1.1	98
5	Nowcasting earthquakes. Earth and Space Science, 2016, 3, 480-486.	1.1	95
6	Computer simulations of large asteroid impacts into oceanic and continental sites--preliminary results on atmospheric, cratering and ejecta dynamics. International Journal of Impact Engineering, 1987, 5, 525-541.	2.4	85
7	Century-long average time intervals between earthquake ruptures of the San Andreas fault in the Carrizo Plain, California. Geology, 2010, 38, 787-790.	2.0	56
8	Climate-Modulated Channel Incision and Rupture History of the San Andreas Fault in the Carrizo Plain. Science, 2010, 327, 1117-1119.	6.0	53
9	A simulation-based approach to forecasting the next great San Francisco earthquake. Proceedings of the National Academy of Sciences of the United States of America, 2005, 102, 15363-15367.	3.3	46
10	Activity of the Offshore Newport-Inglewood Rose Canyon Fault Zone, Coastal Southern California, from Relocated Microseismicity. Bulletin of the Seismological Society of America, 2004, 94, 747-752.	1.1	43
11	Uncharacteristic Earthquakes on the San Andreas Fault. Science, 1996, 272, 826-827.	6.0	35
12	iSERVO: Implementing the International Solid Earth Research Virtual Observatory by Integrating Computational Grid and Geographical Information Web Services. Pure and Applied Geophysics, 2006, 163, 2281-2296.	0.8	33
13	Stream Channel Offset and Late Holocene Slip Rate of the San Andreas Fault at the Van Matre Ranch Site, Carrizo Plain, California. Bulletin of the Seismological Society of America, 2006, 96, 33-47.	1.1	32
14	Automated Estimation and Tools to Extract Positions, Velocities, Breaks, and Seasonal Terms From Daily GNSS Measurements: Illuminating Nonlinear Salton Trough Deformation. Earth and Space Science, 2020, 7, e2019EA000644.	1.1	32
15	Stress transfer in earthquakes, hazard estimation and ensemble forecasting: Inferences from numerical simulations. Tectonophysics, 2006, 413, 109-125.	0.9	31
16	Three-Dimensional Excavation and Recent Rupture History along the Cholame Segment of the San Andreas Fault. Bulletin of the Seismological Society of America, 2002, 92, 2670-2688.	1.1	24
17	Potential for a large earthquake near Los Angeles inferred from the 2014 La Habra earthquake. Earth and Space Science, 2015, 2, 378-385.	1.1	22
18	Disaster preparedness as social control. Critical Policy Studies, 2018, 12, 24-43.	1.4	22

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19	Introduction to the Special Issue on Paleoseismology of the San Andreas Fault System. Bulletin of the Seismological Society of America, 2002, 92, 2551-2554.	1.1	19
20	Revised dates of large earthquakes along the Carrizo section of the San Andreas Fault, California, since A.D. 1310 Â± 30. Journal of Geophysical Research, 2009, 114, .	3.3	18
21	The Age and Origin of Small Offsets at Van Matre Ranch along the San Andreas Fault in the Carrizo Plain, California. Bulletin of the Seismological Society of America, 2018, 108, 639-653.	1.1	18
22	Recent Rupture History of the San Andreas Fault Southeast of Cholame in the Northern Carrizo Plain, California. Bulletin of the Seismological Society of America, 2002, 92, 983-997.	1.1	16
23	A feasibility study of data assimilation in numerical simulations of earthquake fault systems. Physics of the Earth and Planetary Interiors, 2007, 163, 149-162.	0.7	16
24	Social vulnerability assessment for mitigation of local earthquake risk in Los Angeles County. Natural Hazards, 2012, 64, 1341.	1.6	15
25	Coastal Uplift of the San Joaquin Hills, Southern Los Angeles Basin, California, by a Large Earthquake since A.D. 1635. Bulletin of the Seismological Society of America, 2002, 92, 590-599.	1.1	14
26	Clustering Analysis Methods for GNSS Observations: A Dataâ€Driven Approach to Identifying California's Major Faults. Earth and Space Science, 2021, 8, e2021EA001680.	1.1	14
27	A Northward-propagating Earthquake Sequence in Coastal Southern California?. Seismological Research Letters, 2002, 73, 461-469.	0.8	11
28	Reconciling Precariously Balanced Rocks (PBRs) with Large Earthquakes on the San Andreas Fault System. Seismological Research Letters, 2015, 86, 1345-1353.	0.8	11
29	A Web Services-Based Universal Approach to Heterogeneous Fault Databases. Computing in Science and Engineering, 2005, 7, 51-57.	1.2	10
30	Displacement across the Cholame Segment of the San Andreas Fault between 1855 and 1893 from Cadastral Surveys. Bulletin of the Seismological Society of America, 2002, 92, 2659-2669.	1.1	8
31	Reproducibility of San Andreas Fault Slip Rate Measurements at Wallace Creek in the Carrizo Plain, CA. Earth and Space Science, 2019, 6, 156-165.	1.1	8
32	Space- and Time-Dependent Probabilities for Earthquake Fault Systems from Numerical Simulations: Feasibility Study and First Results. Pure and Applied Geophysics, 2010, 167, 967-977.	0.8	7
33	Improved performanceâ€based seismic assessment of buildings by utilizing Bayesian statistics. Earthquake Engineering and Structural Dynamics, 2016, 45, 581-597.	2.5	7
34	Fracture Advancing Step Tectonics Observed in the Yuha Desert and Ocotillo, CA, Following the 2010 M_w7.2 El Mayorâ€Cucapah Earthquake. Earth and Space Science, 2018, 5, 456-472.	1.1	7
35	Evaluation of Seismic Hazard Models with Fragile Geologic Features. Seismological Research Letters, 2021, 92, 314-324.	0.8	7
36	QuakeSim: Enabling Model Interactions in Solid Earth Science Sensor Webs. , 2007, , .		6

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37	Paleoseismology. , 2015, , 559-579.		6
38	An Applied Method for General Regional Seismic Loss Assessmentâ€"With A Case Study in Los Angeles County. Journal of Earthquake Engineering, 2018, 22, 1569-1589.	1.4	6
39	QuakeSim and the Solid Earth Research Virtual Observatory. Pure and Applied Geophysics, 2006, 163, 2263-2279.	0.8	4
40	Household earthquake preparedness in Oklahoma: A mixed methods study of selected municipalities. International Journal of Disaster Risk Reduction, 2022, 73, 102872.	1.8	4
41	Historical Seismicity â€“ Paleoseismology. , 2007, , 567-589.		3
42	A Distributed Approach to Computational Earthquake Science: Opportunities and Challenges. Computing in Science and Engineering, 2012, 14, 31-42.	1.2	3
43	QuakeSim: Integrated modeling and analysis of geologic and remotely sensed data. , 2012, , .		3
44	Improving access to geodetic imaging crustal deformation data using GeoGateway. Earth Science Informatics, 0, , 1.	1.6	3
45	Three-Dimensional Investigation of a 5 m Deflected Swale along the San Andreas Fault in the Carrizo Plain. Bulletin of the Seismological Society of America, 2014, 104, 2799-2808.	1.1	2
46	Geodetic Imaging of Fault Systems from Airborne Platforms: UAVSAR and Structure from Motion. , 2018, , .		2
47	QuakeSim: Efficient Modeling of Sensor Web Data in a Web Services Environment. Aerospace Conference Proceedings IEEE, 2008, , .	0.0	1
48	Understanding earthquake fault systems using QuakeSim analysis and data assimilation tools. , 2009, , .		1
49	Integrating remotely sensed and ground observations for modeling, analysis, and decision support. , 2013, , .		1
50	GeoGateway: A system for analysis of UAVSAR data products. , 2016, , .		1
51	The Quakes Concept for Observing and Mitigating Natural Disasters. , 2019, , .		1
52	Buried Aseismic Slip and Offâ€Fault Deformation on the Southernmost San Andreas Fault Triggered by the 2010 El Mayor Cucapah Earthquake Revealed by UAVSAR. Earth and Space Science, 2021, 8, e2021EA001682.	1.1	1