

Ruth A Harris

List of Publications by Citations

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45
papers

4,370
citations

27
h-index

50
g-index

50
ext. papers

4,886
ext. citations

11.1
avg, IF

5.71
L-index

#	Paper	IF	Citations
45	Introduction to Special Section: Stress Triggers, Stress Shadows, and Implications for Seismic Hazard. <i>Journal of Geophysical Research</i> , 1998 , 103, 24347-24358		747
44	Dynamics of fault interaction: parallel strike-slip faults. <i>Journal of Geophysical Research</i> , 1993 , 98, 4461-4472		286
43	Implications for prediction and hazard assessment from the 2004 Parkfield earthquake. <i>Nature</i> , 2005 , 437, 969-74	50.4	272
42	The 2002 Denali fault earthquake, Alaska: a large magnitude, slip-partitioned event. <i>Science</i> , 2003 , 300, 1113-8	33.3	270
41	Earthquake triggering by seismic waves following the Landers and Hector Mine earthquakes. <i>Nature</i> , 2001 , 411, 462-6	50.4	266
40	Detection of a locked zone at depth on the Parkfield, California, segment of the San Andreas Fault. <i>Journal of Geophysical Research</i> , 1987 , 92, 7945		235
39	Changes in static stress on southern California faults after the 1992 Landers earthquake. <i>Nature</i> , 1992 , 360, 251-254	50.4	227
38	Suppression of large earthquakes by stress shadows: A comparison of Coulomb and rate-and-state failure. <i>Journal of Geophysical Research</i> , 1998 , 103, 24439-24451		189
37	In the shadow of 1857-the effect of the Great Ft. Tejon Earthquake on subsequent earthquakes in southern California. <i>Geophysical Research Letters</i> , 1996 , 23, 229-232	4.9	170
36	Influence of static stress changes on earthquake locations in southern California. <i>Nature</i> , 1995 , 375, 221-224	5.24	163
35	Dynamic 3D simulations of earthquakes on En Echelon Faults. <i>Geophysical Research Letters</i> , 1999 , 26, 2089-2092	4.9	158
34	Fault steps and the dynamic rupture process: 2-D numerical simulations of a spontaneously propagating shear fracture. <i>Geophysical Research Letters</i> , 1991 , 18, 893-896	4.9	150
33	The SCEC/USGS Dynamic Earthquake Rupture Code Verification Exercise. <i>Seismological Research Letters</i> , 2009 , 80, 119-126	3	148
32	Large earthquakes and creeping faults. <i>Reviews of Geophysics</i> , 2017 , 55, 169-198	23.1	120
31	Earthquake deformation cycle on the San Andreas Fault near Parkfield, California. <i>Journal of Geophysical Research</i> , 1987 , 92, 10511-10525		105
30	The magnitude 6.7 northridge, california, earthquake of 17 january 1994. <i>Science</i> , 1994 , 266, 389-97	33.3	103
29	A Suite of Exercises for Verifying Dynamic Earthquake Rupture Codes. <i>Seismological Research Letters</i> , 2018 , 89, 1146-1162	3	85

28	Do Great Earthquakes Occur on the Alpine Fault in Central South Island, New Zealand?. <i>Geophysical Monograph Series</i> , 2007 , 235-251	1.1	78
27	The 1999 Izmit, Turkey, Earthquake: A 3D Dynamic Stress Transfer Model of Intraearthquake Triggering. <i>Bulletin of the Seismological Society of America</i> , 2002 , 92, 245-255	2.3	66
26	Slip deficit on the san andreas fault at parkfield, california, as revealed by inversion of geodetic data. <i>Science</i> , 1986 , 233, 1409-13	33.3	61
25	Material contrast does not predict earthquake rupture propagation direction. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	51
24	Verifying a Computational Method for Predicting Extreme Ground Motion. <i>Seismological Research Letters</i> , 2011 , 82, 638-644	3	45
23	Inverse Kinematic and Forward Dynamic Models of the 2002 Denali Fault Earthquake, Alaska. <i>Bulletin of the Seismological Society of America</i> , 2004 , 94, S214-S233	2.3	43
22	The wrinkle-like slip pulse is not important in earthquake dynamics. <i>Geophysical Research Letters</i> , 2005 , 32,	4.9	40
21	The 1999 Mw 7.1 Hector Mine, California, Earthquake: A Test of the Stress Shadow Hypothesis?. <i>Bulletin of the Seismological Society of America</i> , 2002 , 92, 1497-1512	2.3	37
20	Kinematic and dynamic rupture models of the November 3, 2002 Mw7.9 Denali, Alaska, earthquake. <i>Geophysical Research Letters</i> , 2004 , 31,	4.9	31
19	Imaging the Juan de Fuca Plate beneath southern Oregon using teleseismic P wave residuals. <i>Journal of Geophysical Research</i> , 1991 , 96, 19879-19889		31
18	Introduction to the Special Issue on the 2004 Parkfield Earthquake and the Parkfield Earthquake Prediction Experiment. <i>Bulletin of the Seismological Society of America</i> , 2006 , 96, S1-S10	2.3	21
17	The Community Code Verification Exercise for Simulating Sequences of Earthquakes and Aseismic Slip (SEAS). <i>Seismological Research Letters</i> , 2020 , 91, 874-890	3	20
16	Numerical Simulations of Large Earthquakes: Dynamic Rupture Propagation on Heterogeneous Faults. <i>Pure and Applied Geophysics</i> , 2004 , 161, 2171	2.2	20
15	Dynamic rupture models of earthquakes on the Bartlett Springs Fault, Northern California. <i>Geophysical Research Letters</i> , 2015 , 42, 4343-4349	4.9	18
14	Dynamic Rupture Simulations of the M6.4 and M7.1 July 2019 Ridgecrest, California, Earthquakes. <i>Geophysical Research Letters</i> , 2020 , 47, e2019GL086020	4.9	13
13	Slip budget and potential for a M7 earthquake in central California. <i>Geophysical Research Letters</i> , 1988 , 15, 1215-1218	4.9	13
12	Cocorp deep seismic reflection profiling in the northern Sierra Nevada, California. <i>Tectonics</i> , 1986 , 5, 321-333	4.3	13
11	Metrics for Comparing Dynamic Earthquake Rupture Simulations. <i>Seismological Research Letters</i> , 2015 , 86, 223-235	3	11

10	Earthquake rupture dynamics: Comparing the numerical simulation methods. <i>Eos</i> , 2004 , 85, 321	1.5	10
9	Reply to comment by Y. Ben-Zion on Material contrast does not predict earthquake rupture propagation direction <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	8
8	Relationship between the oceanic geoid and the structure of the oceanic lithosphere. <i>Marine Geophysical Researches</i> , 1984 , 7, 177-190	2.3	7
7	Reply to comment by Y. Ben-Zion on The wrinkle-like slip pulse is not important in earthquake dynamics <i>Geophysical Research Letters</i> , 2006 , 33,	4.9	6
6	Comment on: Geodetic evidence for seismic potential at Parkfield, California by L.-Y. Sung and D. D. Jackson. <i>Geophysical Research Letters</i> , 1989 , 16, 101-104	4.9	5
5	Numerical Simulations of Large Earthquakes: Dynamic Rupture Propagation on Heterogeneous Faults 2004 , 2171-2181		5
4	A Geology and Geodesy Based Model of Dynamic Earthquake Rupture on the Rodgers Creek-Hayward-Calaveras Fault System, California. <i>Journal of Geophysical Research: Solid Earth</i> , 2021 , 126, e2020JB020577	3.6	5
3	Strong ground motions generated by earthquakes on creeping faults. <i>Geophysical Research Letters</i> , 2014 , 41, 3870-3875	4.9	4
2	Earthquake outlook for the San Francisco Bay region 2014-2043. <i>U S Geological Survey Fact Sheet</i> ,		4
1	Stress Triggers, Stress Shadows, and Seismic Hazard. <i>International Geophysics</i> , 2003 , 81, 1217-1232		3