Ruth A Harris

List of Publications by Year in Descending Order

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	A Geology and Geodesy Based Model of Dynamic Earthquake Rupture on the Rodgers Creek-Hayward-Calaveras Fault System, California. *Journal of Geophysical Research: Solid Earth*, **2021**, 126, e2020JB020577	3.6	5
44	The Community Code Verification Exercise for Simulating Sequences of Earthquakes and Aseismic Slip (SEAS). *Seismological Research Letters*, **2020**, 91, 874-890	3	20
43	Dynamic Rupture Simulations of the M6.4 and M7.1 July 2019 Ridgecrest, California, Earthquakes. *Geophysical Research Letters*, **2020**, 47, e2019GL086020	4.9	13
42	A Suite of Exercises for Verifying Dynamic Earthquake Rupture Codes. *Seismological Research Letters*, **2018**, 89, 1146-1162	3	85
41	Large earthquakes and creeping faults. *Reviews of Geophysics*, **2017**, 55, 169-198	23.1	120
40	Metrics for Comparing Dynamic Earthquake Rupture Simulations. *Seismological Research Letters*, **2015**, 86, 223-235	3	11
39	Dynamic rupture models of earthquakes on the Bartlett Springs Fault, Northern California. *Geophysical Research Letters*, **2015**, 42, 4343-4349	4.9	18
38	Strong ground motions generated by earthquakes on creeping faults. *Geophysical Research Letters*, **2014**, 41, 3870-3875	4.9	4
37	Verifying a Computational Method for Predicting Extreme Ground Motion. *Seismological Research Letters*, **2011**, 82, 638-644	3	45
36	The SCEC/USGS Dynamic Earthquake Rupture Code Verification Exercise. *Seismological Research Letters*, **2009**, 80, 119-126	3	148
35	Do Great Earthquakes Occur on the Alpine Fault in Central South Island, New Zealand?. *Geophysical Monograph Series*, **2007**, 235-251	1.1	78
34	Reply to comment by Y. Ben-Zion on "The wrinkle-like slip pulse is not important in earthquake dynamics" *Geophysical Research Letters*, **2006**, 33,	4.9	6
33	Reply to comment by Y. Ben-Zion on "Material contrast does not predict earthquake rupture propagation direction" *Geophysical Research Letters*, **2006**, 33,	4.9	8
32	Introduction to the Special Issue on the 2004 Parkfield Earthquake and the Parkfield Earthquake Prediction Experiment. *Bulletin of the Seismological Society of America*, **2006**, 96, S1-S10	2.3	21
31	Material contrast does not predict earthquake rupture propagation direction. *Geophysical Research Letters*, **2005**, 32,	4.9	51
30	The wrinkle-like slip pulse is not important in earthquake dynamics. *Geophysical Research Letters*, **2005**, 32,	4.9	40
29	Implications for prediction and hazard assessment from the 2004 Parkfield earthquake. *Nature*, **2005**, 437, 969-74	50.4	272

28	Inverse Kinematic and Forward Dynamic Models of the 2002 Denali Fault Earthquake, Alaska. *Bulletin of the Seismological Society of America*, **2004**, 94, S214-S233	2.3	43
27	Numerical Simulations of Large Earthquakes: Dynamic Rupture Propagation on Heterogeneous Faults. *Pure and Applied Geophysics*, **2004**, 161, 2171	2.2	20
26	Kinematic and dynamic rupture models of the November 3, 2002 Mw7.9 Denali, Alaska, earthquake. *Geophysical Research Letters*, **2004**, 31,	4.9	31
25	Earthquake rupture dynamics: Comparing the numerical simulation methods. *Eos*, **2004**, 85, 321	1.5	10
24	Numerical Simulations of Large Earthquakes: Dynamic Rupture Propagation on Heterogeneous Faults **2004**, 2171-2181		5
23	Stress Triggers, Stress Shadows, and Seismic Hazard. *International Geophysics*, **2003**, 81, 1217-1232		3
22	The 2002 Denali fault earthquake, Alaska: a large magnitude, slip-partitioned event. *Science*, **2003**, 300, 1113-8	33.3	270
21	The 1999 Mw 7.1 Hector Mine, California, Earthquake: A Test of the Stress Shadow Hypothesis?. *Bulletin of the Seismological Society of America*, **2002**, 92, 1497-1512	2.3	37
20	The 1999 Izmit, Turkey, Earthquake: A 3D Dynamic Stress Transfer Model of Intraearthquake Triggering. *Bulletin of the Seismological Society of America*, **2002**, 92, 245-255	2.3	66
19	Earthquake triggering by seismic waves following the Landers and Hector Mine earthquakes. *Nature*, **2001**, 411, 462-6	50.4	266
18	Dynamic 3D simulations of earthquakes on En Echelon Faults. *Geophysical Research Letters*, **1999**, 26, 2089-2092	4.9	158
17	Suppression of large earthquakes by stress shadows: A comparison of Coulomb and rate-and-state failure. *Journal of Geophysical Research*, **1998**, 103, 24439-24451		189
16	Introduction to Special Section: Stress Triggers, Stress Shadows, and Implications for Seismic Hazard. *Journal of Geophysical Research*, **1998**, 103, 24347-24358		747
15	In the shadow of 1857-the effect of the Great Ft. Tejon Earthquake on subsequent earthquakes in southern California. *Geophysical Research Letters*, **1996**, 23, 229-232	4.9	170
14	Influence of static stress changes on earthquake locations in southern California. *Nature*, **1995**, 375, 221-224	50.4	163
13	The magnitude 6.7 northridge, california, earthquake of 17 january 1994. *Science*, **1994**, 266, 389-97	33.3	103
12	Dynamics of fault interaction: parallel strike-slip faults. *Journal of Geophysical Research*, **1993**, 98, 4461-4472		286
11	Changes in static stress on southern California faults after the 1992 Landers earthquake. *Nature*, **1992**, 360, 251-254	50.4	227

10	Fault steps and the dynamic rupture process: 2-D numerical simulations of a spontaneously propagating shear fracture. *Geophysical Research Letters*, **1991**, 18, 893-896	4.9	150
9	Imaging the Juan de Fuca Plate beneath southern Oregon using teleseismic P wave residuals. *Journal of Geophysical Research*, **1991**, 96, 19879-19889		31
8	Comment on: Geodetic evidence for seismic potential at Parkfield, California by L.-Y. Sung and D. D. Jackson. *Geophysical Research Letters*, **1989**, 16, 101-104	4.9	5
7	Slip budget and potential for a M7 earthquake in central California. *Geophysical Research Letters*, **1988**, 15, 1215-1218	4.9	13
6	Detection of a locked zone at depth on the Parkfield, California, segment of the San Andreas Fault. *Journal of Geophysical Research*, **1987**, 92, 7945		235
5	Earthquake deformation cycle on the San Andreas Fault near Parkfield, California. *Journal of Geophysical Research*, **1987**, 92, 10511-10525		105
4	Slip deficit on the san andreas fault at parkfield, california, as revealed by inversion of geodetic data. *Science*, **1986**, 233, 1409-13	33.3	61
3	Cocorp deep seismic reflection profiling in the northern Sierra Nevada, California. *Tectonics*, **1986**, 5, 321-333	4.3	13
2	Relationship between the oceanic geoid and the structure of the oceanic lithosphere. *Marine Geophysical Researches*, **1984**, 7, 177-190	2.3	7
1	Earthquake outlook for the San Francisco Bay region 2014-2043. *U S Geological Survey Fact Sheet*,		4