

Rich W Briggs

List of Publications by Year in descending order

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63
papers

2,907
citations

201674

27
h-index

175258

52
g-index

64
all docs

64
docs citations

64
times ranked

2701
citing authors

#	ARTICLE	IF	CITATIONS
1	Mid- to Late-Quaternary Geomorphic and Paleoseismic Event History, Cheraw Fault, Southeastern Colorado. <i>Bulletin of the Seismological Society of America</i> , 2022, 112, 1742-1772.	2.3	2
2	Quick and Dirty (and Accurate) 3D Paleoseismic Trench Models Using Coded Scale Bars. <i>Seismological Research Letters</i> , 2021, 92, 3526-3537.	1.9	6
3	Quaternary Reelfoot Fault Deformation in the Obion River Valley, Tennessee, USA. <i>Tectonics</i> , 2021, 40, e2019TC005990.	2.8	2
4	STEPS: Slip Time Earthquake Path Simulations Applied to the San Andreas and Toe Jam Hill Faults to Redefine Geologic Slip Rate Uncertainty. <i>Geochemistry, Geophysics, Geosystems</i> , 2021, 22, e2021GC009848.	2.5	2
5	Geophysical Constraints on the Crustal Architecture of the Transtensional Warm Springs Valley Fault Zone, Northern Walker Lane, Western Nevada, USA. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020757.	3.4	0
6	Changing impacts of Alaska-Aleutian subduction zone tsunamis in California under future sea-level rise. <i>Nature Communications</i> , 2021, 12, 7119.	12.8	10
7	Holocene earthquake history and slip rate of the southern Teton fault, Wyoming, USA. <i>Bulletin of the Geological Society of America</i> , 2020, 132, 1566-1586.	3.3	9
8	Relaxing Segmentation on the Wasatch Fault Zone: Impact on Seismic Hazard. <i>Bulletin of the Seismological Society of America</i> , 2020, 110, 83-109.	2.3	25
9	Seismic Reflection Imaging of the Low-Angle Panamint Normal Fault System, Eastern California. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2020JB020243.	3.4	3
10	Evidence for Late Quaternary Deformation Along Crowleys Ridge, New Madrid Seismic Zone. <i>Tectonics</i> , 2020, 39, e2019TC005746.	2.8	11
11	Surface Rupture and Distributed Deformation Revealed by Optical Satellite Imagery: The Intraplate 2016 M w 6.0 Petermann Ranges Earthquake, Australia. <i>Geophysical Research Letters</i> , 2019, 46, 10394-10403.	4.0	27
12	Vertical Coseismic Offsets Derived From High-Resolution Stereogrammetric DSM Differencing: The 2013 Baluchistan, Pakistan Earthquake. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 6039-6055.	3.4	21
13	Evidence for frequent, large tsunamis spanning locked and creeping parts of the Aleutian megathrust. <i>Bulletin of the Geological Society of America</i> , 2019, 131, 707-729.	3.3	15
14	Four Major Holocene Earthquakes on the Reelfoot Fault Recorded by Sackungen in the New Madrid Seismic Zone, USA. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 3105-3126.	3.4	13
15	Variable normal-fault rupture behavior, northern Lost River fault zone, Idaho, USA. , 2019, 15, 1869-1892.		29
16	Offset Channels May Not Accurately Record Strike-Slip Fault Displacement: Evidence From Landscape Evolution Models. <i>Journal of Geophysical Research: Solid Earth</i> , 2019, 124, 13427-13451.	3.4	39
17	Combining Conflicting Bayesian Models to Develop Paleoseismic Records: An Example from the Wasatch Fault Zone, Utah. <i>Bulletin of the Seismological Society of America</i> , 2018, 108, 3180-3201.	2.3	24
18	Coseismic Sackungen in the New Madrid Seismic Zone, USA. <i>Geophysical Research Letters</i> , 2018, 45, 13,258.	4.0	8

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19	An updated stress map of the continental United States reveals heterogeneous intraplate stress. <i>Nature Geoscience</i> , 2018, 11, 433-437.	12.9	54
20	FOUR MAJOR HOLOCENE EARTHQUAKES ON THE REELFOOT FAULT, NEW MADRID SEISMIC ZONE. , 2018, , .		2
21	Introduction to the special issue on the 25 April 2015 Mw 7.8 Gorkha (Nepal) earthquake. <i>Tectonophysics</i> , 2017, 714-715, 1-3.	2.2	4
22	Gravitational body forces focus North American intraplate earthquakes. <i>Nature Communications</i> , 2017, 8, 14314.	12.8	26
23	Refining fault slip rates using multiple displaced terrace risersâ€”An example from the Honey Lake fault, NE California, USA. <i>Earth and Planetary Science Letters</i> , 2017, 477, 134-146.	4.4	14
24	A paleoseismic transect across the northwestern Basin and Range Province, northwestern Nevada and northeastern California, USA. , 2017, 13, 782-810.		15
25	Coseismic slip and early afterslip of the 2015 Illapel, Chile, earthquake: Implications for frictional heterogeneity and coastal uplift. <i>Journal of Geophysical Research: Solid Earth</i> , 2016, 121, 6172-6191.	3.4	46
26	Terrestrial cosmogenic surface exposure dating of glacial and associated landforms in the Ruby Mountains-East Humboldt Range of central Nevada and along the northeastern flank of the Sierra Nevada. <i>Geomorphology</i> , 2016, 268, 72-81.	2.6	11
27	Unusually large tsunamis frequent a currently creeping part of the Aleutian megathrust. <i>Geophysical Research Letters</i> , 2016, 43, 76-84.	4.0	41
28	Megathrusts and mountain building. <i>Nature Geoscience</i> , 2016, 9, 346-348.	12.9	4
29	A randomâ€”walk algorithm for modeling lithospheric density and the role of body forces in the evolution of the <sc>M</sc>idcontinent <sc>R</sc>/sc>ift. <i>Geochemistry, Geophysics, Geosystems</i> , 2015, 16, 4084-4107.	2.5	20
30	Tsunami recurrence in the eastern Alaska-Aleutian arc: A Holocene stratigraphic record from Chirikof Island, Alaska. , 2015, 11, 1172-1203.		42
31	Beach ridges as paleoseismic indicators of abrupt coastal subsidence during subduction zone earthquakes, and implications for Alaska-Aleutian subduction zone paleoseismology, southeast coast of the Kenai Peninsula, Alaska. <i>Quaternary Science Reviews</i> , 2015, 113, 147-158.	3.0	32
32	Updating the USGS seismic hazard maps for Alaska. <i>Quaternary Science Reviews</i> , 2015, 113, 39-47.	3.0	17
33	Coral 13 C/ 12 C records of vertical seafloor displacement during megathrust earthquakes west of Sumatra. <i>Earth and Planetary Science Letters</i> , 2015, 432, 461-471.	4.4	7
34	Rapid Characterization of the 2015 <i>M</i>_wÂ7.8 Gorkha, Nepal, Earthquake Sequence and Its Seismotectonic Context. <i>Seismological Research Letters</i> , 2015, 86, 1557-1567.	1.9	80
35	On- and off-fault deformation associated with the September 2013 Mw 7.7 Balochistan earthquake: Implications for geologic slip rate measurements. <i>Tectonophysics</i> , 2015, 660, 65-78.	2.2	82
36	Highâ€”Resolution Trench Photomosaics from Imageâ€”Based Modeling: Workflow and Error Analysis. <i>Bulletin of the Seismological Society of America</i> , 2015, 105, 2354-2366.	2.3	70

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37	Time-varying interseismic strain rates and similar seismic ruptures on the Niasâ€“Simeulue patch of the Sunda megathrust. <i>Quaternary Science Reviews</i> , 2015, 122, 258-281.	3.0	74
38	Latest Quaternary paleoseismology and evidence of distributed dextral shear along the Mohawk Valley fault zone, northern Walker Lane, California. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 5014-5032.	3.4	23
39	Holocene earthquakes and right-lateral slip on the left-lateral Darringtonâ€“Devils Mountain fault zone, northern Puget Sound, Washington. , 2014, 10, 1482-1500.		17
40	Ball-and-socket tectonic rotation during the 2013 $M_{w} 7.7$ Balochistan earthquake. <i>Earth and Planetary Science Letters</i> , 2014, 403, 210-216.	4.4	40
41	Uplift and subsidence reveal a nonpersistent megathrust rupture boundary (Sitkinak Island, Alaska). <i>Geophysical Research Letters</i> , 2014, 41, 2289-2296.	4.0	56
42	Little late Holocene strain accumulation and release on the Aleutian megathrust below the Shumagin Islands, Alaska. <i>Geophysical Research Letters</i> , 2014, 41, 2359-2367.	4.0	38
43	Low Footwall Accelerations and Variable Surface Rupture Behavior on the Fort Sage Mountains Fault, Northeast California. <i>Bulletin of the Seismological Society of America</i> , 2013, 103, 157-168.	2.3	3
44	Late Quaternary Slipâ€“Rate Variations along the Warm Springs Valley Fault System, Northern Walker Lane, Californiaâ€“Nevada Border. <i>Bulletin of the Seismological Society of America</i> , 2013, 103, 542-558.	2.3	23
45	Concealed Quaternary strikeâ€“slip fault resolved with airborne lidar and seismic reflection: The Grizzly Valley fault system, northern Walker Lane, California. <i>Journal of Geophysical Research: Solid Earth</i> , 2013, 118, 3753-3766.	3.4	26
46	Persistent termini of 2004â€“and 2005â€“like ruptures of the Sunda megathrust. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	70
47	88 Hours: The U.S. Geological Survey National Earthquake Information Center Response to the 11 March 2011 Mw 9.0 Tohoku Earthquake. <i>Seismological Research Letters</i> , 2011, 82, 481-493.	1.9	70
48	Superficial simplicity of the 2010 El Mayorâ€“Cucapah earthquake of Baja California in Mexico. <i>Nature Geoscience</i> , 2011, 4, 615-618.	12.9	225
49	High tsunami frequency as a result of combined strike-slip faulting and coastal landslides. <i>Nature Geoscience</i> , 2010, 3, 783-788.	12.9	77
50	Complex rupture during the 12 January 2010 Haitiâ€“earthquake. <i>Nature Geoscience</i> , 2010, 3, 800-805.	12.9	157
51	Seismic hazard of the Enriquilloâ€“Plantain Garden fault in Haiti inferred from palaeoseismology. <i>Nature Geoscience</i> , 2010, 3, 789-793.	12.9	97
52	Coral evidence for earthquake recurrence and an A.D. 1390â€“1455 cluster at the south end of the 2004 Acehâ€“Andaman rupture. <i>Journal of Geophysical Research</i> , 2010, 115, .	3.3	96
53	Late Pleistocene and Early Holocene lakeâ€“level fluctuations in the Lahontan Basin, Nevada: Implications for the distribution of archaeological sites. <i>Geoarchaeology - an International Journal</i> , 2008, 23, 608-643.	1.5	58
54	Rupture across arc segment and plate boundaries in the 1 April 2007 Solomonsâ€“earthquake. <i>Nature Geoscience</i> , 2008, 1, 253-257.	12.9	83

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55	Persistent elastic behavior above a megathrust rupture patch: Nias island, West Sumatra. Journal of Geophysical Research, 2008, 113, .	3.3	31
56	Paleoseismic and Slip-Rate Observations along the Honey Lake Fault Zone, Northeastern California, USA. Bulletin of the Seismological Society of America, 2008, 98, 1730-1736.	2.3	14
57	Rupture Kinematics of the 2005 Mw 8.6 Nias-Simeulue Earthquake from the Joint Inversion of Seismic and Geodetic Data. Bulletin of the Seismological Society of America, 2007, 97, S307-S322.	2.3	158
58	Paleoseismic evidence of great surface rupture earthquakes along the Indian Himalaya. Journal of Geophysical Research, 2006, 111, n/a-n/a.	3.3	245
59	Deformation and Slip Along the Sunda Megathrust in the Great 2005 Nias-Simeulue Earthquake. Science, 2006, 311, 1897-1901.	12.6	284
60	Late Pleistocene and Holocene Paleoearthquake Activity of the Olinghouse Fault Zone, Nevada. Bulletin of the Seismological Society of America, 2005, 95, 1301-1313.	2.3	12
61	Late Pleistocene and Late Holocene Lake Highstands in the Pyramid Lake Subbasin of Lake Lahontan, Nevada, USA. Quaternary Research, 2005, 64, 257-263.	1.7	50
62	Paleoseismic transect across the northern Great Basin. Journal of Geophysical Research, 2005, 110, .	3.3	43
63	Late Pleistocene fault slip rate, earthquake recurrence, and recency of slip along the Pyramid Lake fault zone, northern Walker Lane, United States. Journal of Geophysical Research, 2004, 109, .	3.3	23