

# Brian R Shiro

## List of Publications by Year in descending order

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Version: 2024-02-01

28  
papers

650  
citations

840776

11  
h-index

888059

17  
g-index

30  
all docs

30  
docs citations

30  
times ranked

948  
citing authors

#	ARTICLE	IF	CITATIONS
1	The 2018 rift eruption and summit collapse of K�lauea Volcano. <i>Science</i> , 2019, 363, 367-374.	12.6	353
2	Cyclic lava effusion during the 2018 eruption of K�lauea Volcano. <i>Science</i> , 2019, 366, .	12.6	75
3	Real-time forecasting of the April 11, 2012 Sumatra tsunami. <i>Geophysical Research Letters</i> , 2012, 39, .	4.0	44
4	Seismic and geodetic progression of the 2018 summit caldera collapse of K�lauea volcano. <i>Earth and Planetary Science Letters</i> , 2020, 540, 116250.	4.4	21
5	A portable miniaturized laser heterodyne radiometer (mini-LHR) for remote measurements of column CH4 and CO2. <i>Applied Physics B: Lasers and Optics</i> , 2019, 125, 1.	2.2	19
6	Analyzing Low Frequency Seismic Events at Cerberus Fossae as Long Period Volcanic Quakes. <i>Journal of Geophysical Research E: Planets</i> , 2021, 126, e2020JE006518.	3.6	19
7	Spatiotemporal Seismic Structure Variations Associated With the 2018 K�lauea Eruption Based on Temporary Dense Geophone Arrays. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086668.	4.0	18
8	Seismic velocity variations associated with the 2018 lower East Rift Zone eruption of K�lauea, Hawai�i. <i>Bulletin of Volcanology</i> , 2020, 82, 1.	3.0	15
9	Earthquakes indicated magma viscosity during K�lauea�s 2018 eruption. <i>Nature</i> , 2021, 592, 237-241.	27.8	15
10	Monitoring Network Changes during the 2018 K�lauea Volcano Eruption. <i>Seismological Research Letters</i> , 2021, 92, 102-118.	1.9	13
11	Six�Axis Ground Motion Measurements of Caldera Collapse at K�lauea Volcano, Hawai�i�More Data, More Puzzles?. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL085999.	4.0	12
12	2021 US National Seismic Hazard Model for the State of Hawaii. <i>Earthquake Spectra</i> , 2022, 38, 865-916.	3.1	9
13	Very-Long-Period (VLP) Seismic Artifacts during the 2018 Caldera Collapse at K�lauea, Hawai�i. <i>Seismological Research Letters</i> , 2020, 91, 3417-3432.	1.9	8
14	Earthquake�Derived Seismic Velocity Changes During the 2018 Caldera Collapse of K�lauea Volcano. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	8
15	SSA 2012 Annual Meeting Announcement. <i>Seismological Research Letters</i> , 2012, 83, 316-473.	1.9	4
16	Seismic Monitoring during Crises at the NEIC in Support of the ANSS. <i>Seismological Research Letters</i> , 2021, 92, 2905-2914.	1.9	2
17	2019 Annual Meeting. <i>Seismological Research Letters</i> , 2019, 90, 791-1069.	1.9	2
18	Flashline Mars Arctic Research Station (FMARS) 2009 Expedition Crew Perspectives. , 2010, , .		1

#	ARTICLE	IF	CITATIONS
19	The development of a commercial crew service. , 2012, , .		1
20	EXPLORING LAVA TUBES WITH LIDAR IN IDAHO AND HAWAII. , 2016, , .		1
21	Wildfire Mitigation Strategies Using Space Technol.... , 2005, , .		0
22	Seismological Society of America San Francisco, California 100th Anniversary Earthquake Conference 18-22 April. Seismological Research Letters, 2006, 77, 160-330.	1.9	0
23	SSA 2007 Meeting Announcement Seismological Society of America Technical Sessions: 11-13 April 2007 (Wednesday-Friday) Hilton Hawaiian Village, Kona, Hawaii, USA. Seismological Research Letters, 2007, 78, 213-320.	1.9	0
24	Brian Shiro: Astronaut for hire. New Scientist, 2010, 207, 23.	0.0	0
25	Building Safer and More Inclusive Field Experiences in Support of Planetary Science. , 2021, 53, .		0
26	GEOPHYSICAL MAPPING OF A LAVA TUBE CAVE ON MAUNA LOA VOLCANO, HAWAII. , 2017, , .		0
27	ANALYSIS OF A LAVA TUBE WITH LIDAR ON MAUNA LOA VOLCANO, HAWAII. , 2017, , .		0
28	Geological tasks during HI-SEAS planetary analog mission simulations, Mauna Loa, Hawai'i. Planetary and Space Science, 2022, 212, 105409.	1.7	0