

# Akihiko Yokoo

## List of Publications by Year in descending order

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28  
papers

569  
citations

567281

15  
h-index

642732

23  
g-index

28  
all docs

28  
docs citations

28  
times ranked

472  
citing authors

#	ARTICLE	IF	CITATIONS
1	Acoustic source inversion to estimate volume flux from volcanic explosions. <i>Geophysical Research Letters</i> , 2015, 42, 5243-5249.	4.0	72
2	Eruption mass estimation using infrasound waveform inversion and ash and gas measurements: Evaluation at Sakurajima Volcano, Japan. <i>Earth and Planetary Science Letters</i> , 2017, 480, 42-52.	4.4	60
3	Swelling of a lava plug associated with a Vulcanian eruption at Sakurajima Volcano, Japan, as revealed by infrasound record: case study of the eruption on January 2, 2007. <i>Bulletin of Volcanology</i> , 2009, 71, 619-630.	3.0	45
4	Physical properties of volcanic lightning: Constraints from magnetotelluric and video observations at Sakurajima volcano, Japan. <i>Earth and Planetary Science Letters</i> , 2016, 444, 45-55.	4.4	38
5	Temporal changes in electrical resistivity at Sakurajima volcano from continuous magnetotelluric observations. <i>Journal of Volcanology and Geothermal Research</i> , 2011, 199, 165-175.	2.1	34
6	Analysis of gas jetting and fumarole acoustics at Aso Volcano, Japan. <i>Journal of Volcanology and Geothermal Research</i> , 2017, 340, 16-29.	2.1	30
7	Analysis of pressure waves observed in Sakurajima eruption movies. <i>Earth, Planets and Space</i> , 2007, 59, 177-181.	2.5	24
8	The Initial Development of Transient Volcanic Plumes as a Function of Source Conditions. <i>Journal of Geophysical Research: Solid Earth</i> , 2017, 122, 9784-9803.	3.4	24
9	The September 14, 2015 phreatomagmatic eruption of Nakadake first crater, Aso Volcano, Japan: Eruption sequence inferred from ballistic, pyroclastic density current and fallout deposits. <i>Journal of Volcanology and Geothermal Research</i> , 2018, 351, 41-56.	2.1	23
10	Temporal variation in source location of continuous tremors before ash-gas emissions in January 2014 at Aso volcano, Japan. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	21
11	Continuous monitoring of soil CO2 flux at Aso volcano, Japan: the influence of environmental parameters on diffuse degassing. <i>Earth, Planets and Space</i> , 2019, 71, .	2.5	21
12	Switching from seismic to seismo-acoustic harmonic tremor at a transition of eruptive activity during the Shinmoe-dake 2011 eruption. <i>Earth, Planets and Space</i> , 2013, 65, 633-643.	2.5	20
13	Monochromatic infrasound waves observed during the 2014-2015 eruption of Aso volcano, Japan. <i>Earth, Planets and Space</i> , 2019, 71, .	2.5	20
14	The thermal signature of Aso Volcano during unrest episodes detected from space and ground-based measurements. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	19
15	Gas flow dynamics in the conduit of Strombolian explosions inferred from seismo-acoustic observations at Aso volcano, Japan. <i>Earth, Planets and Space</i> , 2019, 71, .	2.5	18
16	Using infrasound waves from eruption video to explain ground deformation preceding the eruption of Suwanosejima volcano, Japan. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 196, 287-294.	2.1	17
17	Continuous thermal monitoring of the 2008 eruptions at Showa crater of Sakurajima volcano, Japan. <i>Earth, Planets and Space</i> , 2009, 61, 1345-1350.	2.5	14
18	Investigating Spectral Distortion of Local Volcano Infrasound by Nonlinear Propagation at Sakurajima Volcano, Japan. <i>Journal of Geophysical Research: Solid Earth</i> , 2020, 125, e2019JB018284.	3.4	11

#	ARTICLE	IF	CITATIONS
19	Atmospheric pressure waves in the field of volcanology. <i>Shock Waves</i> , 2006, 15, 295-300.	1.9	8
20	Estimation of Vent Radii From Video Recordings and Infrasound Data Analysis: Implications for Vulcanian Eruptions From Sakurajima Volcano, Japan. <i>Geophysical Research Letters</i> , 2018, 45, 12,829.	4.0	8
21	Utilizing the solution of sound diffraction by a thin screen to evaluate infrasound waves attenuated around volcano topography. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 402, 106983.	2.1	8
22	Transport of ballistic projectiles during the 2015 Aso Strombolian eruptions. <i>Earth, Planets and Space</i> , 2019, 71, .	2.5	7
23	Estimation of exit velocity of volcanic plume from analysis of vortex structures. <i>Earth and Planetary Science Letters</i> , 2014, 385, 154-161.	4.4	6
24	Development of a drone-borne volcanic plume sampler. <i>Journal of Volcanology and Geothermal Research</i> , 2021, 412, 107197.	2.1	6
25	Combined approach to estimate the depth of the magma surface in a shallow conduit at Aso volcano, Japan. <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	6
26	Vertical ground deformation related to the 2014 and 2015 eruptions at Kuchierabujima Volcano, Japan detected by repeated precise leveling surveys. <i>Journal of Natural Disaster Science</i> , 2017, 38, 133-144.	0.4	5
27	Special issue “Advancement of our knowledge on Aso volcano: current activity and background”. <i>Earth, Planets and Space</i> , 2019, 71, .	2.5	2
28	Sampling Volcanic Plume Using a Drone-Borne SeIPS for Remotely Determined Stable Isotopic Compositions of Fumarolic Carbon Dioxide. <i>Frontiers in Earth Science</i> , 2022, 10, .	1.8	2