

Wataru Kanda

List of Publications by Year in descending order

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47
papers

1,015
citations

394390

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434170

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49
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49
docs citations

49
times ranked

728
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of Spatial Distribution and Fluid Fraction of a Potential Supercritical Geothermal Reservoir by Magnetotelluric Data: A Case Study From Yuzawa Geothermal Field, NE Japan. <i>Journal of Geophysical Research: Solid Earth</i> , 2022, 127, .	3.4	9
2	Large-scale magmatic-hydrothermal system of Kusatsu-Shirane Volcano, Japan, revealed by broadband magnetotellurics. <i>Journal of Volcanology and Geothermal Research</i> , 2022, 429, 107600.	2.1	4
3	Imaging the Source Region of the 2015 Phreatic Eruption at Owakudani, Hakone Volcano, Japan, Using High-Density Audio-Frequency Magnetotellurics. <i>Geophysical Research Letters</i> , 2021, 48, .	4.0	11
4	Locating hydrothermal fluid injection of the 2018 phreatic eruption at Kusatsu-Shirane volcano with volcanic tremor amplitude. <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	20
5	Electrical conductive fluid-rich zones and their influence on the earthquake initiation, growth, and arrest processes: observations from the 2016 Kumamoto earthquake sequence, Kyushu Island, Japan. <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	12
6	Aeromagnetic survey in Kusatsu-Shirane volcano, central Japan, by using an unmanned helicopter. <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	5
7	The 2018 phreatic eruption at Mt. Motoshirane of Kusatsu-Shirane volcano, Japan: eruption and intrusion of hydrothermal fluid observed by a borehole tiltmeter network. <i>Earth, Planets and Space</i> , 2021, 73, .	2.5	16
8	Magmatic hydrothermal system inferred from the resistivity structure of Kusatsu-Shirane Volcano. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 390, 106742.	2.1	25
9	Three-dimensional electrical resistivity structure of the Kuju volcanic group, Central Kyushu, Japan revealed by magnetotelluric survey data. <i>Journal of Volcanology and Geothermal Research</i> , 2020, 400, 106898.	2.1	9
10	Anatomy of active volcanic edifice at the Kusatsu-Shirane volcano, Japan, by magnetotellurics: hydrothermal implications for volcanic unrests. <i>Earth, Planets and Space</i> , 2020, 72, .	2.5	34
11	Hydrothermal system of the active crater of Aso volcano (Japan) inferred from a three-dimensional resistivity structure model. <i>Earth, Planets and Space</i> , 2019, 71, .	2.5	16
12	Variations in thermal state revealed by the geochemistry of fumarolic gases and hot-spring waters of the Tateyama volcanic hydrothermal system, Japan. <i>Bulletin of Volcanology</i> , 2019, 81, 1.	3.0	6
13	Numerical simulations to explain the coseismic electromagnetic signals: a case study for a M5.4 aftershock of the 2016 Kumamoto earthquake. <i>Earth, Planets and Space</i> , 2019, 71, .	2.5	11
14	Significance of Electromagnetic Surveys at Active Volcanoes: Toward Evaluating the Imminence of Wet Eruptions. <i>Journal of Disaster Research</i> , 2019, 14, 580-591.	0.7	7
15	Installation of New GNSS Network Around Kusatsu-Shirane Volcano, Japan: Its Perspective and the First Result. <i>Journal of Disaster Research</i> , 2019, 14, 744-754.	0.7	0
16	Water sampling using a drone at Yugama crater lake, Kusatsu-Shirane volcano, Japan. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	34
17	Three-Dimensional Resistivity Structure of Iwo-Yama Volcano, Kirishima Volcanic Complex, Japan: Relationship to Shallow Seismicity, Surface Uplift, and a Small Phreatic Eruption. <i>Geophysical Research Letters</i> , 2018, 45, 12,821.	4.0	36
18	Resistivity characterisation of Hakone volcano, Central Japan, by three-dimensional magnetotelluric inversion. <i>Earth, Planets and Space</i> , 2018, 70, .	2.5	27

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19	Seismicity controlled by resistivity structure: the 2016 Kumamoto earthquakes, Kyushu Island, Japan. <i>Earth, Planets and Space</i> , 2017, 69, .	2.5	20
20	Three-dimensional resistivity structure of Asama Volcano revealed by data-space magnetotelluric inversion using unstructured tetrahedral elements. <i>Geophysical Journal International</i> , 2017, 208, 1359-1372.	2.4	50
21	Observations using an unmanned aerial vehicle in an area in danger of volcanic eruptions at Kuchinoerabu-jima Volcano, southern Kyushu, Japan. <i>Journal of Natural Disaster Science</i> , 2017, 38, 85-104.	0.4	9
22	Resistivity structure and geochemistry of the Jigokudani Valley hydrothermal system, Mt. Tateyama, Japan. <i>Journal of Volcanology and Geothermal Research</i> , 2016, 325, 15-26.	2.1	24
23	Electrical image of subduction zone beneath northeastern Japan. <i>Journal of Geophysical Research: Solid Earth</i> , 2015, 120, 7937-7965.	3.4	21
24	Imaging the hydrothermal system beneath the Jigokudani valley, Tateyama volcano, Japan: implications for structures controlling repeated phreatic eruptions from an audio-frequency magnetotelluric survey. <i>Earth, Planets and Space</i> , 2015, 67, 6.	2.5	21
25	Three-dimensional magnetotelluric imaging of crustal fluids and seismicity around Naruko volcano, NE Japan. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	69
26	Hydrothermal system in the Tatun Volcano Group, northern Taiwan, inferred from crustal resistivity structure by audio-magnetotellurics. <i>Progress in Earth and Planetary Science</i> , 2014, 1, .	3.0	10
27	Three-dimensional electromagnetic imaging of fluids and melts beneath the NE Japan arc revisited by using geomagnetic transfer function data. <i>Earth, Planets and Space</i> , 2014, 66, .	2.5	9
28	Three-dimensional resistivity structure and magma plumbing system of the Kirishima Volcanoes as inferred from broadband magnetotelluric data. <i>Journal of Geophysical Research: Solid Earth</i> , 2014, 119, 198-215.	3.4	79
29	Magnetotelluric and temperature monitoring after the 2011 sub-Plinian eruptions of Shinmoe-dake volcano. <i>Earth, Planets and Space</i> , 2013, 65, 539-550.	2.5	16
30	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
31	Temporal magnetic changes possibly due to cooling magmas as revealed by repeat helicopter-borne surveys over an active volcano. , 2011, , .		2
32	A heating process of Kuchi-erabu-jima volcano, Japan, as inferred from geomagnetic field variations and electrical structure. <i>Journal of Volcanology and Geothermal Research</i> , 2010, 189, 158-171.	2.1	39
33	Numerical simulation of piezomagnetic changes associated with hydrothermal pressurization. <i>Geophysical Journal International</i> , 2010, , .	2.4	2
34	Magnetotelluric pulses generated by volcanic lightning at Sakurajima volcano, Japan. <i>Geophysical Research Letters</i> , 2010, 37, .	4.0	19
35	Apparent magnetization intensity map on Sakurajima Volcano, Kyushu, Japan, inferred from low-altitude, high-density helicopter-borne aeromagnetic surveys. <i>Tectonophysics</i> , 2009, 478, 34-42.	2.2	8
36	Shallow resistivity structure of Asama Volcano and its implications for magma ascent process in the 2004 eruption. <i>Journal of Volcanology and Geothermal Research</i> , 2008, 173, 165-177.	2.1	38

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37	A preparation zone for volcanic explosions beneath Naka-dake crater, Aso volcano, as inferred from magnetotelluric surveys. Journal of Volcanology and Geothermal Research, 2008, 178, 32-45.	2.1	45
38	Resistivity structure of Unzen Volcano derived from time domain electromagnetic (TDEM) survey. Journal of Volcanology and Geothermal Research, 2008, 175, 231-240.	2.1	27
39	New procedures to decompose geomagnetic field variations and application to volcanic activity. Geophysical Journal International, 2008, 175, 400-414.	2.4	3
40	Interpretation of self-potential on Kaimondake volcano in consideration of zeta potential variation of the volcanic rocks. BUTSURI-TANSA(Geophysical Exploration), 2008, 61, 301-312.	0.0	2
41	Hydrothermal system beneath Aso volcano as inferred from self-potential mapping and resistivity structure. Journal of Volcanology and Geothermal Research, 2005, 143, 259-277.	2.1	63
42	Hydrothermal system beneath Mt. Fuji volcano inferred from magnetotellurics and electric self-potential. Earth and Planetary Science Letters, 2005, 235, 343-355.	4.4	62
43	Self-potential anomaly of Satsuma-Iwojima volcano. Earth, Planets and Space, 2002, 54, 231-237.	2.5	9
44	Electric field polarization around Ioannina VAN station, Greece, inferred from a resistivity mapping. Physics of the Earth and Planetary Interiors, 2000, 119, 269-283.	1.9	4
45	Geoelectric potential difference monitoring in southern Sumatra, Indonesia " Co-seismic change". Earth, Planets and Space, 2000, 52, 245-252.	2.5	31
46	Directional properties of VAN's SES and ULF MT signals at Ioannina, Greece. Physics of the Earth and Planetary Interiors, 1998, 105, 153-166.	1.9	11
47	A Deep Transient EM Experiment in the Northern Part of Miyagi Prefecture, Northeastern Japan.. Journal of Geomagnetism and Geoelectricity, 1996, 48, 1265-1280.	0.9	6