

# Yasuo Ogawa

## List of Publications by Year in descending order

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106  
papers

3,053  
citations

147786

31  
h-index

189881

50  
g-index

116  
all docs

116  
docs citations

116  
times ranked

1719  
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	3-D resistivity imaging of the supercritical geothermal system in the Sengan geothermal region, NE Japan. <i>Geothermics</i> , 2022, 103, 102412.	3.4	8
3	Trans-crustal structural control of CO <sub>2</sub> -rich extensional magmatic systems revealed at Mount Erebus Antarctica. <i>Nature Communications</i> , 2022, 13, .	12.8	8
4	Special issue “Understanding phreatic eruptions -Recent observations of Kusatsu-Shirane volcano and equivalents” <i>Earth, Planets and Space</i> , 2022, 74, .	2.5	1
5	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
6	Electrical Resistivity Structure Around the Atotsugawa Fault, Central Japan, Revealed by a New 2D Inversion Method Combining Wideband MT and Network MT Data Sets. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2020JB020904.	3.4	6
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	Offshore-onshore resistivity imaging of freshwater using a controlled-source electromagnetic method: A feasibility study. <i>Geophysics</i> , 2021, 86, E391-E405.	2.6	8
9	Simultaneous Analysis of Seismic Velocity and Electrical Conductivity in the Crust and the Uppermost Mantle: A Forward Model and Inversion Test Based on Grid Search. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022307.	3.4	12
10	Ability of the magnetotelluric method to image a deep conductor: Exploration of a supercritical geothermal system. <i>Geothermics</i> , 2021, 96, 102205.	3.4	6
11	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
12	Probing the relationship between electrical conductivity and creep through upper crustal fluids along the western part of the North Anatolian Fault with three-dimensional magnetotellurics. <i>Tectonophysics</i> , 2020, 791, 228561.	2.2	4
13	Temporal Magnetotellurics Reveals Mechanics of the 2012 Mount Tongariro, NZ, Eruption. <i>Geophysical Research Letters</i> , 2020, 47, e2019GL086429.	4.0	14
14	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
15	Air-Fall Ash from the Main Crater of Asama Volcano on August 7, 2019, and its Water-Soluble Components. <i>Journal of Disaster Research</i> , 2020, 15, 53-56.	0.7	0
16	Geological and engineering features of developing ultra-high-temperature geothermal systems in the world. <i>Geothermics</i> , 2019, 82, 267-281.	3.4	27
17	Electrical resistivity imaging of the inter-plate coupling transition at the Hikurangi subduction margin, New Zealand. <i>Earth and Planetary Science Letters</i> , 2019, 524, 115710.	4.4	11
18	Identification of Sumatran Fault Zone Using Magnetotelluric and Gravity Data. , 2019, , .		1

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19	An initial experiment of EM-ACROSS with magnetotelluric sounding in the Mount Kusatsu-Shirane region, Japan. , 2019, , .		0
20	Resistivity characterisation of Hakone volcano, Central Japan, by three-dimensional magnetotelluric inversion. Earth, Planets and Space, 2018, 70, .	2.5	27
21	Marine magnetotelluric inversion with an unstructured tetrahedral mesh. Geophysical Journal International, 2018, 214, 952-974.	2.4	5
22	Three-dimensional resistivity structure of Asama Volcano revealed by data-space magnetotelluric inversion using unstructured tetrahedral elements. Geophysical Journal International, 2017, 208, 1359-1372.	2.4	50
23	Uplift of the central transantarctic mountains. Nature Communications, 2017, 8, 1588.	12.8	42
24	Acknowledgement to reviewers in 2016. Earth, Planets and Space, 2017, 69, .	2.5	0
25	Mapping subduction interface coupling using magnetotellurics: Hikurangi margin, New Zealand. Geophysical Research Letters, 2017, 44, 9261-9266.	4.0	31
26	Modeling geomagnetic induction hazards using a 3D electrical conductivity model of Australia. Space Weather, 2016, 14, 1125-1135.	3.7	15
27	Crustal structure and fluid distribution beneath the southern part of the Hida collision zone revealed by 3D electrical resistivity modeling. Geochemistry, Geophysics, Geosystems, 2016, 17, 1480-1491.	2.5	16
28	Resistivity structure and geochemistry of the Jigokudani Valley hydrothermal system, Mt. Tateyama, Japan. Journal of Volcanology and Geothermal Research, 2016, 325, 15-26.	2.1	24
29	Gas pathways and remotely triggered earthquakes beneath Mount Fuji, Japan. Geology, 2016, 44, 127-130.	4.4	19
30	Electrical image of subduction zone beneath northeastern Japan. Journal of Geophysical Research: Solid Earth, 2015, 120, 7937-7965.	3.4	21
31	Editorial: Acknowledgement to reviewers. Earth, Planets and Space, 2015, 67, .	2.5	0
32	Imaging the hydrothermal system beneath the Jigokudani valley, Tateyama volcano, Japan: implications for structures controlling repeated phreatic eruptions from an audio-frequency magnetotelluric survey. Earth, Planets and Space, 2015, 67, 6.	2.5	21
33	Structure of the Tongariro Volcanic system: Insights from magnetotelluric imaging. Earth and Planetary Science Letters, 2015, 432, 115-125.	4.4	70
34	Three-dimensional magnetotelluric imaging of crustal fluids and seismicity around Naruko volcano, NE Japan. Earth, Planets and Space, 2014, 66, .	2.5	69
35	Geoelectrical dimensionality analyses in Sumatran Fault (Aceh segment) using magnetotelluric phase tensor. AIP Conference Proceedings, 2014, , .	0.4	2
36	A 3-D conductivity model of the Australian continent using observatory and magnetometer array data. Geophysical Journal International, 2014, 198, 1143-1158.	2.4	26

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37	New volume of Earth, Planets and Space with an open access-style publishing model under SpringerOpen. Earth, Planets and Space, 2014, 66, .	2.5	45
38	Three-dimensional electromagnetic imaging of fluids and melts beneath the NE Japan arc revisited by using geomagnetic transfer function data. Earth, Planets and Space, 2014, 66, .	2.5	9
39	A 3-D electrical resistivity model beneath the focal zone of the 2008 Iwate-Miyagi Nairiku earthquake (M 7.2). Earth, Planets and Space, 2014, 66, .	2.5	19
40	Three-dimensional resistivity structure and magma plumbing system of the Kirishima Volcanoes as inferred from broadband magnetotelluric data. Journal of Geophysical Research: Solid Earth, 2014, 119, 198-215.	3.4	79
41	Evidence for middle Triassic to Miocene dual subduction zones beneath the Shan-Thai terrane, western Thailand from magnetotelluric data. Gondwana Research, 2013, 23, 1607-1616.	6.0	19
42	Electrical characterization of the North Anatolian Fault Zone underneath the Marmara Sea, Turkey by ocean bottom magnetotellurics. Geophysical Journal International, 2013, 193, 664-677.	2.4	33
43	Erratum to Spectral peaks in electric field at resonance frequencies for seismically excited motion of ions in the Earth's magnetic field. Earth, Planets and Space, 2013, 65, 57-57.	2.5	0
44	Magnetotelluric and temperature monitoring after the 2011 sub-Plinian eruptions of Shinmoe-dake volcano. Earth, Planets and Space, 2013, 65, 539-550.	2.5	16
45	Circularly polarized electric fields associated with seismic waves generated by blasting. Geophysical Journal International, 2013, 194, 200-211.	2.4	12
46	Changes in electrical resistivity track changes in tectonic plate coupling. Geophysical Research Letters, 2013, 40, 5029-5033.	4.0	32
47	Geoelectrical dimensionality analyses in volcanic region using magnetotelluric phase tensor. AIP Conference Proceedings, 2012, . .	0.4	1
48	Resistivity structure of Sumatran Fault (Aceh segment) derived from 1-D magnetotelluric modeling. , 2012, . .		1
49	A fault-zone conductor beneath a compressional inversion zone, northeastern Honshu, Japan. Geophysical Research Letters, 2011, 38, .	4.0	20
50	Spectral peaks in electric field at resonance frequencies for seismically excited motion of ions in the Earth's magnetic field. Earth, Planets and Space, 2011, 63, 503-507.	2.5	8
51	Temporal changes in electrical resistivity at Sakurajima volcano from continuous magnetotelluric observations. Journal of Volcanology and Geothermal Research, 2011, 199, 165-175.	2.1	34
52	Audio-frequency magnetotelluric imaging of the Hijima fault, Yamasaki fault system, southwest Japan. Earth, Planets and Space, 2010, 62, 401-411.	2.5	17
53	Electrical Resistivity Structure and Helium Isotopes around Naruko Volcano, Northeastern Japan and Its Implication for the Distribution of Crustal Magma. International Journal of Geophysics, 2010, 2010, 1-7.	1.1	7
54	Magnetotelluric pulses generated by volcanic lightning at Sakurajima volcano, Japan. Geophysical Research Letters, 2010, 37, .	4.0	19

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55	Structural controls on the 1998 volcanic unrest at Iwate volcano: Relationship between a shallow, electrically resistive body and the possible ascent route of magmatic fluid. <i>Journal of Volcanology and Geothermal Research</i> , 2009, 187, 131-139.	2.1	20
56	A magnetotelluric study of Mount Ruapehu volcano, New Zealand. <i>Geophysical Journal International</i> , 2009, 179, 887-904.	2.4	79
57	Fluid and deformation regime of an advancing subduction system at Marlborough, New Zealand. <i>Nature</i> , 2009, 460, 733-736.	27.8	191
58	Magnetotelluric transect across the Niigata-Kobe Tectonic Zone, central Japan: A clear correlation between strain accumulation and resistivity structure. <i>Geophysical Research Letters</i> , 2009, 36, .	4.0	25
59	A model for observed circular polarized electric fields coincident with the passage of large seismic waves. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	32
60	Groundwater flow and hydrothermal systems within volcanic edifices: Delineation by electric self-potential and magnetotellurics. <i>Journal of Geophysical Research</i> , 2009, 114, .	3.3	108
61	Integrated geophysical constraints on the subsurface structure of Usu Volcano, Hokkaido Japan. , 2009, , .		0
62	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
63	Magnetotelluric observations around the focal region of the 2007 Noto Hanto Earthquake (Mj 6.9), Central Japan. <i>Earth, Planets and Space</i> , 2008, 60, 117-122.	2.5	25
64	Resistivity structure around the focal area of the 2004 Rumoi-Nanbu earthquake (M 6.1), northern Hokkaido, Japan. <i>Earth, Planets and Space</i> , 2008, 60, 883-888.	2.5	17
65	Melt distribution beneath a young continental rift: The Taupo Volcanic Zone, New Zealand. <i>Geophysical Research Letters</i> , 2007, 34, .	4.0	116
66	Application of a modified hopfield neural network to noisy magnetotelluric data. <i>Izvestiya, Physics of the Solid Earth</i> , 2007, 43, 217-224.	0.9	3
67	Magnetotelluric imaging of crustal magma storage beneath the Mesozoic crystalline mountains in a nonvolcanic region, northeast Japan. <i>Geochemistry, Geophysics, Geosystems</i> , 2006, 7, n/a-n/a.	2.5	8
68	Two electrical conductors beneath Kusatsu-Shirane volcano, Japan, imaged by audiomagnetotellurics, and their implications for the hydrothermal system. <i>Earth, Planets and Space</i> , 2006, 58, 1053-1059.	2.5	70
69	Two-dimensional electrical section beneath the eastern margin of Japan Sea. <i>Geophysical Research Letters</i> , 2006, 33, .	4.0	28
70	Aqueous fluids derived from a subducting slab: Observed high <sup>3</sup> He emanation and conductive anomaly in a non-volcanic region, Kii Peninsula southwest Japan. <i>Journal of Volcanology and Geothermal Research</i> , 2006, 149, 47-61.	2.1	53
71	Resistivity imaging across the source region of the 2004 Mid-Niigata Prefecture earthquake (M6.8), central Japan. <i>Earth, Planets and Space</i> , 2005, 57, 441-446.	2.5	41
72	Hydrothermal system beneath Mt. Fuji volcano inferred from magnetotellurics and electric self-potential. <i>Earth and Planetary Science Letters</i> , 2005, 235, 343-355.	4.4	62

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73	Magnetotelluric imaging of the fault rupture area of the 1999 İzmit (Turkey) earthquake. <i>Physics of the Earth and Planetary Interiors</i> , 2005, 150, 213-225.	1.9	68
74	Electric and magnetic field variations arising from the seismic dynamo effect for aftershocks of the M7.1 earthquake of 26 May 2003 off Miyagi Prefecture, NE Japan. <i>Earth, Planets and Space</i> , 2004, 56, 115-123.	2.5	36
75	Electromagnetic imaging of magma across the Narmada Son lineament, central India. <i>Earth, Planets and Space</i> , 2004, 56, 229-238.	2.5	31
76	Mid-crustal electrical conductors and their correlations to seismicity and deformation at Itoigawa-Shizuoka Tectonic Line, Central Japan. <i>Earth, Planets and Space</i> , 2004, 56, 1285-1291.	2.5	63
77	Resistivity structure in the western part of the fault rupture zone associated with the 1999 İzmit earthquake and its seismogenic implication. <i>Earth, Planets and Space</i> , 2003, 55, 437-442.	2.5	29
78	Resistivity structure across Itoigawa-Shizuoka tectonic line and its implications for concentrated deformation. <i>Earth, Planets and Space</i> , 2002, 54, 1115-1120.	2.5	37
79	On Two-Dimensional Modeling Of Magnetotelluric Field Data. <i>Surveys in Geophysics</i> , 2002, 23, 251-273.	4.6	83
80	Electromagnetic heterogeneity of the seismogenic region of 1962 M6.5 Northern Miyagi Earthquake, northeastern Japan. <i>Geophysical Research Letters</i> , 2001, 28, 4371-4374.	4.0	64
81	Magnetotelluric imaging of fluids in intraplate earthquake zones, NE Japan Back Arc. <i>Geophysical Research Letters</i> , 2001, 28, 3741-3744.	4.0	131
82	Crust and upper mantle resistivity structure in the southwestern end of the Kuril Arc as revealed by the joint analysis of conventional MT and network MT data. <i>Earth, Planets and Space</i> , 2001, 53, 829-842.	2.5	17
83	Magma prospecting in Usu volcano, Hokkaido, Japan, using magnetotelluric soundings. <i>Journal of Volcanology and Geothermal Research</i> , 2001, 109, 263-277.	2.1	52
84	Preliminary results of a high-resolution aeromagnetic survey over Usu Volcano, Hokkaido, Japan.. <i>Bulletin of the Geological Survey of Japan</i> , 2001, 52, 149-154.	0.7	9
85	Audio frequency magneto-telluric survey of Norikura Volcano in central Japan. <i>Journal of Volcanology and Geothermal Research</i> , 1999, 90, 209-217.	2.1	9
86	Wide-band magnetotelluric measurements across the Taupo Volcanic Zone, New Zealand-Preliminary results. <i>Geophysical Research Letters</i> , 1999, 26, 3673-3676.	4.0	37
87	Constrained inversion of COPROD-2S2 dataset using model roughness and static shift norm. <i>Earth, Planets and Space</i> , 1999, 51, 1145-1151.	2.5	10
88	A resistivity cross-section of Usu volcano, Hokkaido, Japan, by audiomagnetotelluric soundings. <i>Earth, Planets and Space</i> , 1998, 50, 339-346.	2.5	37
89	Magnetotelluric imaging of the SW Japan forearc—a lost paleoland revealed?. <i>Physics of the Earth and Planetary Interiors</i> , 1997, 102, 231-238.	1.9	35
90	An Audiomagnetotelluric View of the Atera Fault.. <i>Journal of Geomagnetism and Geoelectricity</i> , 1997, 49, 1065-1071.	0.9	8

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91	Preliminary Magnetotelluric Modeling in the Nikko Volcanic Area. Potential Break of Fluid Trap by Volcanic Intrusion.. Journal of Geomagnetism and Geoelectricity, 1997, 49, 1073-1078.	0.9	3
92	Repeated Self-Potential Profiling of Izu-Oshima Volcano, Japan. Journal of Geomagnetism and Geoelectricity, 1997, 49, 1267-1278.	0.9	41
93	Data-Adaptive Inversion of the Oklahoma EMAP Dataset.. Journal of Geomagnetism and Geoelectricity, 1997, 49, 801-806.	0.9	2
94	Two-Dimensional Inversion of Papua New Guinea Magnetotelluric Dataset Assuming Static Shift as a Gaussian Distribution.. Journal of Geomagnetism and Geoelectricity, 1997, 49, 857-867.	0.9	7
95	13th Workshop on Electromagnetic Induction in the Earth. Journal of Geomagnetism and Geoelectricity, 1997, 49, 1255-1256.	0.9	0
96	Deep electrical conductivity structures of the Appalachian Orogen in the southeastern U.S.. Geophysical Research Letters, 1996, 23, 1597-1600.	4.0	25
97	Magnetotelluric Experiment probes deep physical state of southeastern United States. Eos, 1996, 77, 329.	0.1	11
98	A two-dimensional magnetotelluric inversion assuming Gaussian static shift. Geophysical Journal International, 1996, 126, 69-76.	2.4	161
99	An Interpretation of Magnetovariational Data in the Northern Tohoku District, Japan, Using Multi Sheet Modelling.. Journal of Geomagnetism and Geoelectricity, 1995, 47, 405-410.	0.9	4
100	Audio-Frequency Magnetotelluric Imaging of an Active Strike-Slip Fault.. Journal of Geomagnetism and Geoelectricity, 1994, 46, 403-408.	0.9	5
101	A collision boundary imaged by magnetotellurics, Hidaka Mountains, central Hokkaido, Japan. Journal of Geophysical Research, 1994, 99, 22373-22388.	3.3	27
102	Wideband Magnetotelluric Measurements across Izu-Oshima Volcano.. Journal of Geomagnetism and Geoelectricity, 1992, 44, 561-566.	0.9	2
103	CSAMT measurements across the 1986 C craters of Izu-Oshima Island, Japan.. Journal of Geomagnetism and Geoelectricity, 1990, 42, 211-224.	0.9	14
104	Two-dimensional resistivity modeling based on regional magnetotelluric survey in the northern Tohoku district, northeastern Japan.. Journal of Geomagnetism and Geoelectricity, 1987, 39, 349-366.	0.9	13
105	Preliminary interpretation on detailed magnetovariational profilings in the northern Tohoku district.. Journal of Geomagnetism and Geoelectricity, 1987, 39, 559-569.	0.9	6
106	Two-dimensional modelling of resistivity structure beneath the Tohoku district, northern Honshu of Japan, by a finite element method.. Journal of Geomagnetism and Geoelectricity, 1986, 38, 45-79.	0.9	29