Yasuo Ogawa

List of Publications by Citations

96 papers	2,337 citations	28 h-index	44 g-index
116 ext. papers	2,665 ext. citations	4.2 avg, IF	4.65 L-index

#	Paper	IF	Citations
96	Fluid and deformation regime of an advancing subduction system at Marlborough, New Zealand. *Nature*, **2009**, 460, 733-6	50.4	163
95	A two-dimensional magnetotelluric inversion assuming Gaussian static shift. *Geophysical Journal International*, **1996**, 126, 69-76	2.6	134
94	Magnetotelluric imaging of fluids in intraplate earthquake zones, NE Japan Back Arc. *Geophysical Research Letters*, **2001**, 28, 3741-3744	4.9	113
93	Melt distribution beneath a young continental rift: The Taupo Volcanic Zone, New Zealand. *Geophysical Research Letters*, **2007**, 34,	4.9	87
92	Groundwater flow and hydrothermal systems within volcanic edifices: Delineation by electric self-potential and magnetotellurics. *Journal of Geophysical Research*, **2009**, 114,		78
91	On Two-Dimensional Modeling Of Magnetotelluric Field Data. *Surveys in Geophysics*, **2002**, 23, 251-273	7.6	70
90	A magnetotelluric study of Mount Ruapehu volcano, New Zealand. *Geophysical Journal International* , **2009**, 179, 887-904	2.6	65
89	Magnetotelluric imaging of the fault rupture area of the 1999 İzmit (Turkey) earthquake. *Physics of the Earth and Planetary Interiors*, **2005**, 150, 213-225	2.3	62
88	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	3.6	58
87	Electromagnetic heterogeneity of the seismogenic region of 1962 M6.5 Northern Miyagi Earthquake, northeastern Japan. *Geophysical Research Letters*, **2001**, 28, 4371-4374	4.9	57
86	Hydrothermal system beneath Mt. Fuji volcano inferred from magnetotellurics and electric self-potential. *Earth and Planetary Science Letters*, **2005**, 235, 343-355	5.3	56
85	Mid-crustal electrical conductors and their correlations to seismicity and deformation at Itoigawa-Shizuoka Tectonic Line, Central Japan. *Earth, Planets and Space*, **2004**, 56, 1285-1291	2.9	55
84	Two electrical conductors beneath Kusatsu-Shirane volcano, Japan, imaged by audiomagnetotellurics, and their implications for the hydrothermal system. *Earth, Planets and Space*, **2006**, 58, 1053-1059	2.9	52
83	Structure of the Tongariro Volcanic system: Insights from magnetotelluric imaging. *Earth and Planetary Science Letters*, **2015**, 432, 115-125	5.3	48
82	Aqueous fluids derived from a subducting slab: Observed high 3He emanation and conductive anomaly in a non-volcanic region, Kii Peninsula southwest Japan. *Journal of Volcanology and Geothermal Research*, **2006**, 149, 47-61	2.8	45
81	Three-dimensional magnetotelluric imaging of crustal fluids and seismicity around Naruko volcano, NE Japan. *Earth, Planets and Space*, **2014**, 66,	2.9	44
80	Magma prospecting in Usu volcano, Hokkaido, Japan, using magnetotelluric soundings. *Journal of Volcanology and Geothermal Research*, **2001**, 109, 263-277	2.8	44

79	Repeated Self-Potential Profiling of Izu-Oshima Volcano, Japan. *Journal of Geomagnetism and Geoelectricity*, **1997**, 49, 1267-1278		36
78	Resistivity imaging across the source region of the 2004 Mid-Niigata Prefecture earthquake (M6.8), central Japan. *Earth, Planets and Space*, **2005**, 57, 441-446	2.9	35
77	Resistivity structure across Itoigawa-Shizuoka tectonic line and its implications for concentrated deformation. *Earth, Planets and Space*, **2002**, 54, 1115-1120	2.9	35
76	Wide-band magnetotelluric measurements across the Taupo Volcanic Zone, New Zealand-Preliminary results. *Geophysical Research Letters*, **1999**, 26, 3673-3676	4.9	34
75	Shallow resistivity structure of Asama Volcano and its implications for magma ascent process in the 2004 eruption. *Journal of Volcanology and Geothermal Research*, **2008**, 173, 165-177	2.8	32
74	Uplift of the central transantarctic mountains. *Nature Communications*, **2017**, 8, 1588	17.4	30
73	New volume of Earth, Planets and Space with an open access-style publishing model under SpringerOpen. *Earth, Planets and Space*, **2014**, 66,	2.9	29
72	Magnetotelluric imaging of the SW Japan forearc□ lost paleoland revealed?. *Physics of the Earth and Planetary Interiors*, **1997**, 102, 231-238	2.3	29
71	Electromagnetic imaging of magma across the Narmada Son lineament, central India. *Earth, Planets and Space*, **2004**, 56, 229-238	2.9	29
70	A resistivity cross-section of Usu volcano, Hokkaido, Japan, by audiomagnetotelluric soundings. *Earth, Planets and Space*, **1998**, 50, 339-346	2.9	29
69	Electrical characterization of the North Anatolian Fault Zone underneath the Marmara Sea, Turkey by ocean bottom magnetotellurics. *Geophysical Journal International*, **2013**, 193, 664-677	2.6	28
68	Resistivity structure in the western part of the fault rupture zone associated with the 1999 □mit earthquake and its seismogenic implication. *Earth, Planets and Space*, **2003**, 55, 437-442	2.9	28
67	Three-dimensional resistivity structure of Asama Volcano revealed by data-space magnetotelluric inversion using unstructured tetrahedral elements. *Geophysical Journal International*, **2017**, 208, 1359-1372	2.6	27
66	Temporal changes in electrical resistivity at Sakurajima volcano from continuous magnetotelluric observations. *Journal of Volcanology and Geothermal Research*, **2011**, 199, 165-175	2.8	27
65	Mapping subduction interface coupling using magnetotellurics: Hikurangi margin, New Zealand. *Geophysical Research Letters*, **2017**, 44, 9261-9266	4.9	25
64	A model for observed circular polarized electric fields coincident with the passage of large seismic waves. *Journal of Geophysical Research*, **2009**, 114,		25
63	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. *Earth, Planets and Space*, **2004**, 56, 115-123	2.9	25
62	Magnetotelluric transect across the Niigata-Kobe Tectonic Zone, central Japan: A clear correlation between strain accumulation and resistivity structure. *Geophysical Research Letters*, **2009**, 36,	4.9	24

61	Changes in electrical resistivity track changes in tectonic plate coupling. *Geophysical Research Letters*, **2013**, 40, 5029-5033	4.9	23
60	Deep electrical conductivity structures of the Appalachian Orogen in the southeastern U.S.. *Geophysical Research Letters*, **1996**, 23, 1597-1600	4.9	23
59	Resistivity characterisation of Hakone volcano, Central Japan, by three-dimensional magnetotelluric inversion. *Earth, Planets and Space*, **2018**, 70,	2.9	22
58	Two-dimensional electrical section beneath the eastern margin of Japan Sea. *Geophysical Research Letters*, **2006**, 33,	4.9	22
57	A collision boundary imaged by magnetotellurics, Hidaka Mountains, central Hokkaido, Japan. *Journal of Geophysical Research*, **1994**, 99, 22373-22388		20
56	A fault-zone conductor beneath a compressional inversion zone, northeastern Honshu, Japan. *Geophysical Research Letters*, **2011**, 38,	4.9	19
55	Magnetotelluric pulses generated by volcanic lightning at Sakurajima volcano, Japan. *Geophysical Research Letters*, **2010**, 37, n/a-n/a	4.9	19
54	Magnetotelluric observations around the focal region of the 2007 Noto Hanto Earthquake (Mj 6.9), Central Japan. *Earth, Planets and Space*, **2008**, 60, 117-122	2.9	19
53	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	2.9	18
52	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		18
51	Geological and engineering features of developing ultra-high-temperature geothermal systems in the world. *Geothermics*, **2019**, 82, 267-281	4.3	17
50	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. *Journal of Volcanology and Geothermal Research*, **2009**, 187, 131-139	2.8	17
49	Gas pathways and remotely triggered earthquakes beneath Mount Fuji, Japan. *Geology*, **2016**, 44, 127-130	5	16
48	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,	2.9	16
47	A 3-D conductivity model of the Australian continent using observatory and magnetometer array data. *Geophysical Journal International*, **2014**, 198, 1143-1158	2.6	16
46	Resistivity structure around the focal area of the 2004 Rumoi-Nanbu earthquake (M 6.1), northern Hokkaido, Japan. *Earth, Planets and Space*, **2008**, 60, 883-888	2.9	16
45	Resistivity structure and geochemistry of the Jigokudani Valley hydrothermal system, Mt. Tateyama, Japan. *Journal of Volcanology and Geothermal Research*, **2016**, 325, 15-26	2.8	15
44	Evidence for middle Triassic to Miocene dual subduction zones beneath the Shan□hai terrane, western Thailand from magnetotelluric data. *Gondwana Research*, **2013**, 23, 1607-1616	5.1	14

43	Electrical image of subduction zone beneath northeastern Japan. *Journal of Geophysical Research: Solid Earth*, **2015**, 120, 7937-7965	3.6	14
42	Audio-frequency magnetotelluric imaging of the Hijima fault, Yamasaki fault system, southwest Japan. *Earth, Planets and Space*, **2010**, 62, 401-411	2.9	14
41	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. *Earth, Planets and Space*, **2001**, 53, 829-842	2.9	14
40	Crustal structure and fluid distribution beneath the southern part of the Hidaka collision zone revealed by 3-D electrical resistivity modeling. *Geochemistry, Geophysics, Geosystems*, **2016**, 17, 1480-1491	3.6	13
39	Modeling geomagnetic induction hazards using a 3-D electrical conductivity model of Australia. *Space Weather*, **2016**, 14, 1125-1135	3.7	13
38	Magnetotelluric and temperature monitoring after the 2011 sub-Plinian eruptions of Shinmoe-dake volcano. *Earth, Planets and Space*, **2013**, 65, 539-550	2.9	12
37	Circularly polarized electric fields associated with seismic waves generated by blasting. *Geophysical Journal International*, **2013**, 194, 200-211	2.6	12
36	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		10
35	Anatomy of active volcanic edifice at the Kusatsu-Shirane volcano, Japan, by magnetotellurics: hydrothermal implications for volcanic unrests. *Earth, Planets and Space*, **2020**, 72,	2.9	10
34	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,	2.9	9
33	Magmatic hydrothermal system inferred from the resistivity structure of Kusatsu-Shirane Volcano. *Journal of Volcanology and Geothermal Research*, **2020**, 390, 106742	2.8	9
32	Magnetotelluric imaging of crustal magma storage beneath the Mesozoic crystalline mountains in a nonvolcanic region, northeast Japan. *Geochemistry, Geophysics, Geosystems*, **2006**, 7, n/a-n/a	3.6	8
31	Audio frequency magneto-telluric survey of Norikura Volcano in central Japan. *Journal of Volcanology and Geothermal Research*, **1999**, 90, 209-217	2.8	8
30	Magnetotelluric Experiment probes deep physical state of southeastern United States. *Eos*, **1996**, 77, 329	1.5	8
29	CSAMT measurements across the 1986 C craters of Izu-Oshima Island, Japan.. *Journal of Geomagnetism and Geoelectricity*, **1990**, 42, 211-224		8
28	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	2.9	7
27	Constrained inversion of COPROD-2S2 dataset using model roughness and static shift norm. *Earth, Planets and Space*, **1999**, 51, 1145-1151	2.9	7
26	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	2	6

25	An Audiomagnetotelluric View of the Atera Fault.. *Journal of Geomagnetism and Geoelectricity*, **1997**, 49, 1065-1071		6
24	Preliminary results of a high-resolution aeromagnetic survey over Usu Volcano, Hokkaido, Japan.. *Bulletin of the Geological Survey of Japan*, **2001**, 52, 149-154	1	6
23	Electrical resistivity imaging of the inter-plate coupling transition at the Hikurangi subduction margin, New Zealand. *Earth and Planetary Science Letters*, **2019**, 524, 115710	5.3	5
22	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		4
21	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. *Tectonophysics*, **2020**, 791, 228561	3.1	4
20	Audio-Frequency Magnetotelluric Imaging of an Active Strike-Slip Fault.. *Journal of Geomagnetism and Geoelectricity*, **1994**, 46, 403-408		3
19	Preliminary interpretation on detailed magnetovariational profilings in the northern Tohoku district.. *Journal of Geomagnetism and Geoelectricity*, **1987**, 39, 559-569		3
18	An Interpretation of Magnetovariational Data in the Northern Tohoku District, Japan, Using Multi Sheet Modelling.. *Journal of Geomagnetism and Geoelectricity*, **1995**, 47, 405-410		3
17	Electrical Resistivity Structure Around the Atotsugawa Fault, Central Japan, Revealed by a New 2-D Inversion Method Combining Wideband-MT and Network-MT Data Sets. *Journal of Geophysical Research: Solid Earth*, **2021**, 126, e2020JB020904	3.6	3
16	Temporal Magnetotellurics Reveals Mechanics of the 2012 Mount Tongariro, NZ, Eruption. *Geophysical Research Letters*, **2020**, 47, e2019GL086429	4.9	3
15	Ability of the magnetotelluric method to image a deep conductor: Exploration of a supercritical geothermal system. *Geothermics*, **2021**, 96, 102205	4.3	3
14	Marine magnetotelluric inversion with an unstructured tetrahedral mesh. *Geophysical Journal International*, **2018**, 214, 952-974	2.6	2
13	Application of a modified hopfield neural network to noisy magnetotelluric data. *Izvestiya, Physics of the Solid Earth*, **2007**, 43, 217-224	1	2
12	3-D resistivity imaging of the supercritical geothermal system in Sengan geothermal region, NE Japan		2
11	Wideband Magnetotelluric Measurements across Izu-Oshima Volcano.. *Journal of Geomagnetism and Geoelectricity*, **1992**, 44, 561-566		2
10	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		2
9	Locating hydrothermal fluid injection of the 2018 phreatic eruption at Kusatsu-Shirane volcano with volcanic tremor amplitude. *Earth, Planets and Space*, **2021**, 73,	2.9	2
8	Geoelectrical dimensionality analyses in Sumatran Fault (Aceh segment) using magnetotelluric phase tensor **2014**,		1

List of Publications

7	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. *Journal of Geophysical Research: Solid Earth*,	3.6	1
6	Data-Adaptive Inversion of the Oklahoma EMAP Dataset.. *Journal of Geomagnetism and Geoelectricity*, **1997**, 49, 801-806		1
5	Identification of Sumatran Fault Zone Using Magnetotelluric and Garvity Data **2019**,		1
4	Offshore-onshore resistivity imaging of freshwater using a controlled-source electromagnetic method: A feasibility study. *Geophysics*, **2021**, 86, E391-E405	3.1	1
3	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. *Journal of Geophysical Research: Solid Earth*, **2021**, 126, e2021JB022307	3.6	1
2	3-D resistivity imaging of the supercritical geothermal system in the Sengan geothermal region, NE Japan. *Geothermics*, **2022**, 103, 102412	4.3	0
1	Air-Fall Ash from the Main Crater of Asama Volcano on August 7, 2019, and its Water-Soluble Components. *Journal of Disaster Research*, **2020**, 15, 53-56	0.8	