Katsumi Hattori

List of Publications by Year
in descending order

144 papers	3,484 citations	147801 31 h-index	161849 54 g-index
167 all docs	167 docs citations	167 times ranked	1133 citing authors

#	Article	IF	Citations
1	Seismoionospheric GPS total electron content anomalies observed before the 12 May 2008 M_w7.9 Wenchuan earthquake. Journal of Geophysical Research, 2009, 114, .	3.3	235
2	Electric and magnetic phenomena observed before the volcano-seismic activity in 2000 in the Izu Island Region, Japan. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 7352-7355.	7.1	173
3	ULF Geomagnetic Changes Associated with Large Earthquakes. Terrestrial, Atmospheric and Oceanic Sciences, 2004, 15, 329.	0.6	169
4	ULF electromagnetic precursors for an earthquake at Biak, Indonesia on February 17, 1996. Geophysical Research Letters, 2000, 27, 1531-1534.	4.0	162
5	Monitoring of ULF (Ultra-Low-Frequency) Geomagnetic Variations Associated with Earthquakes. Sensors, 2007, 7, 1108-1122.	3.8	126
6	Ionospheric anomalies possibly associated with M≥6.0 earthquakes in the Japan area during 1998–2010: Case studies and statistical study. Journal of Asian Earth Sciences, 2011, 41, 410-420.	2.3	115
7	Anomalous behaviors of geomagnetic diurnal variations prior to the 2011 off the Pacific coast of Tohoku earthquake (Mw9.0). Journal of Asian Earth Sciences, 2013, 77, 59-65.	2.3	115
8	Co-seismic geoelectric potential changes observed in Japan. Geophysical Research Letters, 2000, 27, 1535-1538.	4.0	109
9	Statistical analysis of ULF seismomagnetic phenomena at Kakioka, Japan, during 2001–2010. Journal of Geophysical Research: Space Physics, 2014, 119, 4998-5011.	2.4	97
10	ULF geomagnetic field measurements in Japan and some recent results associated with Iwateken Nairiku Hokubu earthquake in 1998. Physics and Chemistry of the Earth, 2004, 29, 481-494.	2.9	82
11	Investigation of ULF Seismo-Magnetic Phenomena in Kanto, Japan During 2000–2010: Case Studies and Statistical Studies. Surveys in Geophysics, 2013, 34, 293-316.	4.6	74
12	ULF geomagnetic anomaly associated with 2000 Izu Islands earthquake swarm, Japan. Physics and Chemistry of the Earth, 2004, 29, 425-435.	2.9	69
13	Singular spectral analysis and principal component analysis for signal discrimination of ULF geomagnetic data associated with 2000 Izu Island Earthquake Swarm. Physics and Chemistry of the Earth, 2006, 31, 281-291.	2.9	67
14	Fractal analysis of seismogenic ULF emissions. Physics and Chemistry of the Earth, 2004, 29, 419-424.	2.9	64
15	Further investigations of geomagnetic diurnal variations associated with the 2011 off the Pacific coast of Tohoku earthquake (Mw 9.0). Journal of Asian Earth Sciences, 2015, 114, 321-326.	2.3	63
16	Spatiotemporal characteristics of the geomagnetic diurnal variation anomalies prior to the 2011 Tohoku earthquake (Mw 9.0) and the possible coupling of multiple pre-earthquake phenomena. Journal of Asian Earth Sciences, 2016, 129, 13-21.	2.3	61
17	Temporal and spatial precursors in the ionospheric global positioning system (GPS) total electron content observed before the 26 December 2004 M9.3 Sumatra–Andaman Earthquake. Journal of Geophysical Research, 2010, 115, .	3.3	51
18	ULF magnetic emissions connected with under sea bottom earthquakes. Natural Hazards and Earth System Sciences, 2001, 1, 23-31.	3.6	49

#	Article	IF	Citations
19	Evaluation of ULF seismo-magnetic phenomena in Kakioka, Japan by using Molchan's error diagram. Geophysical Journal International, 2017, 208, 482-490.	2.4	48
20	Principal component analysis and singular spectrum analysis of ULF geomagnetic data associated with earthquakes. Natural Hazards and Earth System Sciences, 2005, 5, 685-689.	3.6	47
21	Evaluation of ULF electromagnetic phenomena associated with the 2000 Izu Islands earthquake swarm by wavelet transform analysis. Natural Hazards and Earth System Sciences, 2011, 11, 965-970.	3.6	46
22	Seismo-ionospheric depression of the ULF geomagnetic fluctuations at Kamchatka and Japan. Physics and Chemistry of the Earth, 2006, 31, 313-318.	2.9	44
23	Principal component analysis of ULF geomagnetic data for Izu islands earthquakes in July 2000. Journal of Atmospheric Electricity, 2002, 22, 1-12.	0.3	43
24	Transfer function approach to signal discrimination of ULF geomagnetic data. Physics and Chemistry of the Earth, 2004, 29, 409-417.	2.9	41
25	Seismo-ionospheric anomalies of the GPS-TEC appear before the 12 May 2008 magnitude 8.0 Wenchuan Earthquake. International Journal of Remote Sensing, 2010, 31, 3579-3587.	2.9	41
26	Seismo-geomagnetic anomalies and $M \geqslant 5.0$ earthquakes observed in Taiwan during 1988–2001. Physics and Chemistry of the Earth, 2006, 31, 215-222.	2.9	36
27	Direction finding of chorus emissions in the outer magnetosphere and their generation and propagation. Planetary and Space Science, 1990, 38, 135-143.	1.7	35
28	Ionospheric GPS TEC Anomalies and M ≧ 5.9 Earthquakes in Indonesia during 1993 - 2002. Terrestrial, Atmospheric and Oceanic Sciences, 2008, 19, 481.	0.6	35
29	Investigating non-uniform scaling behavior in Ultra Low Frequency (ULF) earthquake-related geomagnetic signals. Earth and Planetary Science Letters, 2008, 268, 219-224.	4.4	34
30	Further evidence of triggering chorus emissions from wavelets in the hiss band. Planetary and Space Science, 1991, 39, 1465-1472.	1.7	32
31	Pre-seismic geomagnetic anomaly and earthquake location. Tectonophysics, 2010, 489, 240-247.	2.2	32
32	Variations of phase velocity and gradient values of ULF geomagnetic disturbances connected with the Izu strong earthquakes. Natural Hazards and Earth System Sciences, 2003, 3, 211-215.	3.6	31
33	Ultra low frequency (ULF) electromagnetic anomalies associated with large earthquakes in Java Island, Indonesia by using wavelet transform and detrended fluctuation analysis. Natural Hazards and Earth System Sciences, 2014, 14, 789-798.	3.6	31
34	Statistical Correlation Analysis Between Thermal Infrared Anomalies Observed From MTSATs and Large Earthquakes Occurred in Japan (2005–2015). Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB020108.	3.4	31
35	Non-uniform scaling behavior in ultra-low-frequency (ULF) earthquake-related geomagnetic signals. Physica A: Statistical Mechanics and Its Applications, 2007, 384, 522-528.	2.6	30
36	Near-seismic effects in ULF fields and seismo-acoustic emission: statistics and explanation. Natural Hazards and Earth System Sciences, 2005, 5, 1-10.	3.6	29

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37	Surface displacements in Japan before the 11 March 2011 M9.0 Tohoku-Oki earthquake. Journal of Asian Earth Sciences, 2014, 80, 165-171.	2.3	29
38	Evaluation of seismo-electric anomalies using magnetic data in Taiwan. Natural Hazards and Earth System Sciences, 2013, 13, 597-604.	3.6	28
39	A precursory ULF signature for the Chi-Chi earthquake in Taiwan. Natural Hazards and Earth System Sciences, 2001, 1, 33-36.	3.6	26
40	A new ULF wave analysis for Seismo-Electromagnetics using CPMN/MAGDAS data. Physics and Chemistry of the Earth, 2009, 34, 360-366.	2.9	26
41	Numerical validations of neural-network-based ionospheric tomography for disturbed ionospheric conditions and sparse data. Radio Science, 2011, 46, .	1.6	26
42	Magnetic storm free ULF analysis in relation with earthquakes in Taiwan. Natural Hazards and Earth System Sciences, 2012, 12, 1747-1754.	3.6	26
43	Atmospheric and ionospheric coupling phenomena associated with large earthquakes. European Physical Journal: Special Topics, 2021, 230, 197-225.	2.6	24
44	Inferring phases of thermal unrest at Mt. Asama (Japan) from infrared satellite observations. Journal of Volcanology and Geothermal Research, 2012, 237-238, 10-18.	2.1	23
45	Assessing the Potential Earthquake Precursory Information in ULF Magnetic Data Recorded in Kanto, Japan during 2000–2010: Distance and Magnitude Dependences. Entropy, 2020, 22, 859.	2.2	23
46	Ultra-Low-Frequency Electromagnetic Emissions Associated with Earthquakes. IEEJ Transactions on Fundamentals and Materials, 2004, 124, 1101-1108.	0.2	22
47	Neural network based tomographic approach to detect earthquake-related ionospheric anomalies. Natural Hazards and Earth System Sciences, 2011, 11, 2341-2353.	3.6	21
48	The ultra-low-frequency magnetic disturbances associated with earthquakes. Earthquake Science, 2011, 24, 523-534.	0.9	21
49	Temporal Variation and Statistical Assessment of the b Value off the Pacific Coast of Tokachi, Hokkaido, Japan. Entropy, 2019, 21, 249.	2.2	21
50	Atmospheric Field Variations before the March 31, 2002 M6.8 Earthquake in Taiwan. Terrestrial, Atmospheric and Oceanic Sciences, 2004, 15, 397.	0.6	21
51	ULF geomagnetic anomalous changes possibly associated with 2004–2005 Sumatra earthquakes. Physics and Chemistry of the Earth, 2009, 34, 343-349.	2.9	20
52	ULF geomagnetic changes possibly associated with the 2008 Iwate–Miyagi Nairiku earthquake. Journal of Asian Earth Sciences, 2011, 41, 442-449.	2.3	20
53	How hydrological factors initiate instability in a model sandy slope. Hydrological Processes, 2014, 28, 5711-5724.	2.6	18
54	Seismic-ionospheric effects prior to four earthquakes in Indonesia detected by the China seismo-electromagnetic satellite. Journal of Atmospheric and Solar-Terrestrial Physics, 2020, 205, 105291.	1.6	18

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55	Global variation of ULF geomagnetic fields and detection of anomalous changes at a certain observatory using reference data. Electrical Engineering in Japan (English Translation of Denki Gakkai) Tj ETQq1 1 0.784314 rgBT /Ove...		
56	Observation of ULF geomagnetic variations and detection of ULF emissions associated with earthquakes: Review. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2008, 162, 1-8.	0.4	16
57	Principal component analysis of geoelectrical signals measured in the seismically active area of Basilicata Region (southern Italy). Natural Hazards and Earth System Sciences, 2004, 4, 663-667.	3.6	14
58	Relation between the energy of earthquake swarm and the Hurst exponent of random variations of the geomagnetic field. Physics and Chemistry of the Earth, 2004, 29, 379-387.	2.9	13
59	Determination of hearth position of a forthcoming strong EQ using gradients and phase velocities of ULF geomagnetic disturbances. Physics and Chemistry of the Earth, 2006, 31, 292-298.	2.9	13
60	Tropospheric and Ionospheric Anomalies Induced by Volcanic and Saharan Dust Events as Part of Geosphere Interaction Phenomena. Geosciences (Switzerland), 2019, 9, 177.	2.2	13
61	The source detection of 28 September 2018 Sulawesi tsunami by using ionospheric GNSS total electron content disturbance. Geoscience Letters, 2020, 7, .	3.3	13
62	ULF Geomagnetic and Geopotential Measurement at Chia-Yi, Taiwan. Journal of Atmospheric Electricity, 2002, 22, 217-222.	0.3	13
63	Possible Spatial Extent of Ionospheric GPS-TEC and NmF2 Anomalies Related to the 1999 Chi-Chi and Chia-Yi Earthquakes in Taiwan. Terrestrial, Atmospheric and Oceanic Sciences, 2009, 20, 779.	0.6	12
64	Histopathologic effects of neoadjuvant therapies for advanced squamous cell carcinoma of the esophagus: multivariate analysis of predictive factors and p53 overexpression. Ecological Management and Restoration, 2002, 15, 61-66.	0.4	10
65	SMART analysis of geomagnetic data observed in Taiwan. Physics and Chemistry of the Earth, 2009, 34, 350-359.	2.9	10
66	Development of ionospheric tomography using neural network and its application to the 2007 Southern Sumatra earthquake. Electrical Engineering in Japan (English Translation of Denki Gakkai) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50...		
67	Ionospheric GNSS Total Electron Content for Tsunami Warning. Journal of Earthquake and Tsunami, 2019, 13, .	1.3	10
68	A Statistical Study of the Correlation between Geomagnetic Storms and M ≥ 7.0 Global Earthquakes during 1957–2020. Entropy, 2020, 22, 1270.	2.2	10
69	Analysis of Ionospheric Precursor of Earthquake using GIM-TEC, Kriging and Neural Network. Asian Journal of Earth Sciences, 2015, 8, 32-44.	0.3	10
70	Study of electromagnetic emissions associated with seismic activity in Kamchatka region. Natural Hazards and Earth System Sciences, 2001, 1, 127-136.	3.6	9
71	Natural Electromagnetic Phenomena and Electromagnetic Theory: A Review. IEEJ Transactions on Fundamentals and Materials, 2004, 124, 72-79.	0.2	9
72	Detecting the Ionospheric Disturbances in Japan Using the Three‐Dimensional Computerized Tomography. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028561.	2.4	9

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73	A new metabolite for Pseudomonas pyrrolnitirca. Chemical and Pharmaceutical Bulletin, 1968, 16, 1144.	1.3	9
74	Geophysical Observatory in Kamchatka region for monitoring of phenomena connected with seismic activity. Natural Hazards and Earth System Sciences, 2001, 1, 3-7.	3.6	8
75	Co-seismic geoelectrical potential changes associated with the June 4, 2000â€™s earthquake (Mw7.9) in Bengkulu, Indonesia. Physics and Chemistry of the Earth, 2009, 34, 373-379.	2.9	8
76	Possible Anomalous Changes in Solar Quiet Daily Geomagnetic Variation (Sq) Related to the 2011 off the Pacific coast of Tohoku Earthquake (Mw 9.0). Pure and Applied Geophysics, 2020, 177, 333-346.	1.9	8
77	Identification of ULF emissions for Izu islands earthquakes in July 2000. , 2003, , .		7
78	A CIRCULARLY POLARIZED CIRCULARLY-SLOTTED-PATCH ANTENNA WITH TWO ASYMMETRICAL RECTANGULAR TRUNCATIONS FOR NANOSATELLITE ANTENNA. Progress in Electromagnetics Research C, 2019, 90, 225-236.	0.9	7
79	Evaluation of Pre-Earthquake Anomalies of Borehole Strain Network by Using Receiver Operating Characteristic Curve. Remote Sensing, 2021, 13, 515.	4.0	7
80	The three-dimensional ionospheric electron density imaging in Japan using the approximate Kalman filter algorithm. Journal of Atmospheric and Solar-Terrestrial Physics, 2021, 219, 105628.	1.6	7
81	Investigation of ULF magnetic disturbances in Japan during seismic active period. Journal of Atmospheric Electricity, 2002, 22, 207-215.	0.3	7
82	Anomaly disturbances of the magnetic fields before the strong earthquake in Japan on March 11, 2011. Annals of Geophysics, 2012, 55, .	1.0	7
83	Ray-tracing study of the plasmapause effect on non-ducted whistler-mode wave propagation. Planetary and Space Science, 1991, 39, 425-434.	1.7	6
84	Signal discrimination of ULF electromagnetic data with using singular spectrum analysis â€" an attempt to detect train noise. Natural Hazards and Earth System Sciences, 2011, 11, 1863-1874.	3.6	6
85	Singular Spectrum Analysis of the Total Electron Content Changes Prior to M â‰¥ 6.0 Earthquakes in the Chinese Mainland During 1998â€"2013. Frontiers in Earth Science, 2021, 9, .	1.8	6
86	Reduction of Geomagnetic Effects (Periods T < 940 s) from Geoelectric Potential Difference Data. IEEJ Transactions on Fundamentals and Materials, 2004, 124, 1245-1250.	0.2	6
87	Recent Progress and State of the Art of Seismo-Electromagnetics. IEEJ Transactions on Fundamentals and Materials, 2007, 127, 4-6.	0.2	6
88	Mutation of the p53 gene predicts lymph node metastases in Japanese patients with esophageal carcinoma: DNA and immunohistochemical analyses. Ecological Management and Restoration, 2003, 16, 301-306.	0.4	5
89	Global Signal Classification of ULF Geomagnetic Field Variations Using Interstation Transfer Function. IEEJ Transactions on Fundamentals and Materials, 2003, 123, 1159-1165.	0.2	5
90	Global signal classification of ULF geomagnetic field variations using interstation transfer function. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2005, 151, 12-19.	0.4	5

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91	Detection of thermal changes possibly associated with volcanic activity and discrimination of faint changes from MODIS. Journal of Asian Earth Sciences, 2011, 41, 467-475.	2.3	5
92	Validation of Earthquake Precursorsâ€"VESTO. Journal of Asian Earth Sciences, 2011, 41, 369-370.	2.3	5
93	Detection of microwave emission due to rock fracture as a new tool for geophysics: A field test at a volcano in Miyake Island, Japan. Journal of Applied Geophysics, 2013, 94, 1-14.	2.1	5
94	L band circularly polarized SAR onboard microsatellite. , 2017, , .		5
95	Co-seismic signatures in magnetometer, geophone, and infrasound data during the Meinong Earthquake. Terrestrial, Atmospheric and Oceanic Sciences, 2017, 28, 683-692.	0.6	5
96	GCV-aided linear reconstruction of the wave distribution function for the ground-based direction finding of magnetospheric VLF/ELF waves. Journal of Electromagnetic Waves and Applications, 1995, 9, 757-782.	1.6	4
97	Detecting Earthquake-Related Anomalies of a Borehole Strain Network Based on Multi-Channel Singular Spectrum Analysis. Entropy, 2020, 22, 1086.	2.2	4
98	Gradients and phase velocities of ULF geomagnetic disturbances used to determine the source of an impending strong earthquake. Geomagnetism and Aeronomy, 2006, 46, 403-410.	0.8	3
99	Ionospheric anomalies possibly associated with M â‰¥ 6 earthquakes in Japan during 1998â€"2011: Case studies and statistical study. , 2011, , .		3
100	Seasonal Variation Characteristics of Geomagnetic Sq External and Internal Equivalent Current Systems in Eastâ€Asia and Oceania Regions. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029113.	2.4	3
101	Effect of Noise from DC-Driven Trains to Geoelectrical Potential Difference and its Reduction in Hakuba Area, Japan. IEEJ Transactions on Fundamentals and Materials, 2007, 127, 41-47.	0.2	3
102	Current Status of Observational Studies on Short-Term Earthquake Prediction Research by Using Electromagnetic Phenomena. Zisin (Journal of the Seismological Society of Japan 2nd Ser), 2006, 59, 69-85.	0.2	3
103	Anomalous geoelectrical and geomagnetic signals observed at Southern Boso Peninsula, Japan. Annals of Geophysics, 2009, 50, .	1.0	3
104	Temporal Variation of b Value with Statistical Test in Wenchuan Area, China Prior to the 2008 Wenchuan Earthquake. Entropy, 2022, 24, 494.	2.2	3
105	Observation of ULF Geomagnetic Variations and Detection of ULF Emissions Associated with Earthquakes: Review. IEEJ Transactions on Fundamentals and Materials, 2006, 126, 1238-1244.	0.2	2
106	Analysis of Non-Uniform Scaling Features in Ultra Low Frequency Geomagnetic Signals and Correlation with Seismicity. , 2007, , .		2
107	Validation of Ionospheric Tomography Using Residual Minimization Training Neural Network. Electronics and Communications in Japan, 2016, 99, 50-57.	0.5	2
108	Preface to the special issue on electromagnetic phenomena related to seismic and volcanic activities from EMSEV in 2016. Earthquake Science, 2017, 30, 165-166.	0.9	2

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109	Borehole Strain Observations Based on a State-Space Model and ApNe Analysis Associated With the 2013 Lushan Earthquake. IEEE Access, 2021, 9, 12167-12179.	4.2	2
110	ULF Electromagnetic Environment at Southern Boso Peninsula: Signal Discrimination of the Geoelectromagnetic Data. IEEJ Transactions on Fundamentals and Materials, 2005, 125, 583-590.	0.2	2
111	Spatial and Temporal Distribution of the Pre-Seismic Ionospheric Anomaly Prior to the 2011 Off the Pacific Coast of Tohoku Earthquake (Mw9.0). IEEJ Transactions on Fundamentals and Materials, 2016, 136, 265-271.	0.2	2
112	Azimuthal propagation of seismo-magnetic signals from large earthquakes in Taiwan. Annals of Geophysics, 2012, 55, .	1.0	2
113	Electromagnetic Phenomena Possibly Associated with the 2004 Sumatra-Andaman Earthquake. IEEJ Transactions on Fundamentals and Materials, 2009, 129, 345-351.	0.2	2
114	Coherence of the ULF fields in the seismoactive zone of Japan. Physics and Chemistry of the Earth, 2006, 31, 248-257.	2.9	1
115	Detection and reduction of precipitation effects in geoelectrical potential difference data. Electrical Engineering in Japan (English Translation of Denki Gakkai Ronbunshi), 2013, 182, 1-8.	0.4	1
116	Validation of Lithosphere-Atmosphere-Ionosphere coupling concept by geo space observation of natural and anthropogenic processes. , 2014, , .		1
117	Development of Monitoring System to Understand Preparation Processes of Rainfallâ€Induced Landslides Estimation of Slip Surface and In Situ Observation Using Electromagnetic Methods. Electronics and Communications in Japan, 2017, 100, 3-11.	0.5	1
118	Induced Change of Electric Selfâ€Potential and Magnetic Field at the Artificial Explosion. Electronics and Communications in Japan, 2017, 100, 68-75.	0.5	1
119	Computation calibration on distance measurement in an ultrasonic remote sensing device. Journal of Physics: Conference Series, 2019, 1185, 012023.	0.4	1
120	Detection of Thermal Changes Related to the 2011 Shinmoedake Volcano Activity, Japan: Spatiotemporal Variation of Singularity of MODIS Data after Discriminating False Changes Due to Cloud. Remote Sensing, 2020, 12, 2637.	4.0	1
121	Field Test of the Signal Detection at Microwave Frequency Bands due to Volcanic Activity in Miyake-jima. IEEJ Transactions on Fundamentals and Materials, 2009, 129, 853-858.	0.2	1
122	Detection and Reduction of Precipitation Effects in Geoelectrical Potential Difference Data. IEEJ Transactions on Fundamentals and Materials, 2011, 131, 738-743.	0.2	1
123	Validation of Ionospheric Tomography using Residual Minimization Training Neural Network. IEEJ Transactions on Fundamentals and Materials, 2015, 135, 117-123.	0.2	1
124	Direction finding of magnetospheric VLF/ELF waves based on the simultaneous measurement of multiple field components. , 1992, , .		0
125	Directionâ€finding measurements of magnetospheric vlf chorus emissions and analysis of their generation and propagation mechanism. Electronics and Communications in Japan, 1993, 76, 73-86.	0.1	0
126	Recent Developments in Portable Weather Radars and New Experiments. IEEJ Transactions on Fundamentals and Materials, 2008, 128, 2-4.	0.2	0

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127	Signal Discrimination of External Geomagnetic Effects Using the Transfer Function Approach with Continuous Wavelet Transform. Handbook of Geophysical Exploration: Seismic Exploration, 2010, 40, 243-258.	0.3	0
128	ULF electromagnetic phenomena induced by underground activities in Izu and Boso Peninsula, Japan during 2000â€"2010. , 2011, , .		0
129	Development and validation of neural network based ionospheric tomography. , 2011, , .		0
130	ULF geomagnetic changes possibly associated with the 2008 Iwate-Miyagi Nairiku earthquake. , 2011, , .		0
131	Neural network based tomographic approach to detecting the ionospheric anomalies prior to the 2007 Southern Sumatra earthquake. , 2011, , .		0
132	A VHF interferometry system for detecting anomalous propagation of FM radio broadcasting waves related to earthquakes and some preliminary results. Electrical Engineering in Japan (English) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 537 T	0.4	0
133	Development of new multi-band equatorially orbiting POLinSAR satellite sensors system configurations for varying latitudinal coverage within total tropical belt: Invited group presentation for establishing an associated Consortium. , 2015, , .		0
134	Connection between Energy of EQ Swarm and the Hurst Exponent of Random Variations of the Geomagnetic Field. Telecommunications and Radio Engineering (English Translation of Elektrosvyaz) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	0.2	0
135	Nonuniform scaling behavior in ultralowâ€frequency geomagnetic data in relationship with seismicity. , 2007, , .		0
136	Recent Progress and State of the Art in Seismo-Electromagnetic Study. IEEJ Transactions on Fundamentals and Materials, 2010, 130, 2-5.	0.2	0
137	Development of Ionospheric Tomography using Neural Network and its Application to the 2007 Southern Sumatra Earthquake. IEEJ Transactions on Fundamentals and Materials, 2011, 131, 691-697.	0.2	0
138	Global Variation of ULF Geomagnetic Fields and Detection of Anomalous Changes at a Certain Observatory using Reference Data. IEEJ Transactions on Fundamentals and Materials, 2011, 131, 698-704.	0.2	0
139	VHF Interferometry System for Detecting Anomalous Propagation of FM Radio Broadcasting Wave Related to Earthquake and its Preliminary Result. IEEJ Transactions on Fundamentals and Materials, 2011, 131, 750-756.	0.2	0
140	The Experimental Results of triggering Chorus Emissions from Monochromatic Wave Components in the Hiss Band in the Outer Magnetosphere. , 1994, , 395-404.		0
141	Induced Change of Electric Self-potential and Magnetic Field at the Artificial Explosion. IEEJ Transactions on Fundamentals and Materials, 2016, 136, 291-296.	0.2	0
142	Development of Monitoring System to Understand Preparation Processes of Rainfall-Induced Landslides. IEEJ Transactions on Fundamentals and Materials, 2016, 136, 297-303.	0.2	0
143	Time-Spatial Analysis of Geomagnetic Diurnal Variations Associated with the 2011 off the Pacific Coast of Tohoku Earthquake (Mw9.0). IEEJ Transactions on Fundamentals and Materials, 2017, 137, 119-127.	0.2	0
144	Development of noise reduction method for MT data processing using Multi-channel singular spectrum analysis at Boso Peninsula in Japan. Journal of Atmospheric Electricity, 2020, 39, 37-41.	0.3	0