Chieh-Hung Chen

List of Publications by Year
in descending order

43	1,052	471061 17	433756 31
papers	citations	h-index	g-index

51	51	51	673
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Ionospheric disturbances triggered by the 11 March 2011M9.0 Tohoku earthquake. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	173
2	Statistical analysis of ULF seismomagnetic phenomena at Kakioka, Japan, during 2001â€“2010. Journal of Geophysical Research: Space Physics, 2014, 119, 4998-5011.	0.8	97
3	Investigation of ULF Seismo-Magnetic Phenomena in Kanto, Japan During 2000â€“2010: Case Studies and Statistical Studies. Surveys in Geophysics, 2013, 34, 293-316.	2.1	74
4	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.	1.0	63
5	Geomagnetic fluctuations during the 1999 Chi-Chi earthquake in Taiwan. Earth, Planets and Space, 2004, 56, 39-45.	0.9	58
6	Evaluation of ULF seismo-magnetic phenomena in Kakioka, Japan by using Molchan's error diagram. Geophysical Journal International, 2017, 208, 482-490.	1.0	48
7	Ionospheric Bow Wave Induced by the Moon Shadow Ship Over the Continent of United States on 21 August 2017. Geophysical Research Letters, 2018, 45, 538-544.	1.5	43
8	Surface Deformation and Seismic Rebound: Implications and Applications. Surveys in Geophysics, 2011, 32, 291-313.	2.1	42
9	Groundwaterâ€“strain coupling before the 1999 M w 7.6 Taiwan Chi-Chi earthquake. Journal of Hydrology, 2015, 524, 378-384.	2.3	40
10	Pre-seismic geomagnetic anomaly and earthquake location. Tectonophysics, 2010, 489, 240-247.	0.9	32
11	Anomalous frequency characteristics of groundwater level before major earthquakes in Taiwan. Hydrology and Earth System Sciences, 2013, 17, 1693-1703.	1.9	30
12	Surface displacements in Japan before the 11 March 2011 M9.0 Tohoku-Oki earthquake. Journal of Asian Earth Sciences, 2014, 80, 165-171.	1.0	29
13	Evaluation of seismo-electric anomalies using magnetic data in Taiwan. Natural Hazards and Earth System Sciences, 2013, 13, 597-604.	1.5	28
14	Individual Wave Propagations in Ionosphere and Troposphere Triggered by the Hunga Tonga-Hunga Haâ€™apai Underwater Volcano Eruption on 15 January 2022. Remote Sensing, 2022, 14, 2179.	1.8	28
15	Assessing the Potential Earthquake Precursory Information in ULF Magnetic Data Recorded in Kanto, Japan during 2000â€“2010: Distance and Magnitude Dependences. Entropy, 2020, 22, 859.	1.1	23
16	Observation of surface displacements from GPS analyses before and after the Jiashian earthquake (M=) Tj ETQq0 0 0 rgBT /Overlock 10	1.0	21
17	Determining the precipitable water vapor thresholds under different rainfall strengths in Taiwan. Advances in Space Research, 2018, 61, 941-950.	1.2	20
18	A New Instrumental Array in Sichuan, China, to Monitor Vibrations and Perturbations of the Lithosphere, Atmosphere, and Ionosphere. Surveys in Geophysics, 0, , 1.	2.1	19

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19	Nighttime Ionosphere Perturbed by the Annular Solar Eclipse on June 21, 2020. Journal of Geophysical Research: Space Physics, 2021, 126, e2021JA029419.	0.8	15
20	Determination of Epicenters before Earthquakes Utilizing Far Seismic and GNSS Data: Insights from Ground Vibrations. Remote Sensing, 2020, 12, 3252.	1.8	14
21	Resident Waves in the Ionosphere Before the M6.1 Dali and M7.3 Qinghai Earthquakes of 21â€“22 May 2021. Earth and Space Science, 2022, 9, e2021EA002159.	1.1	14
22	Locating Seismo-Conductivity Anomaly before the 2017 MW 6.5 Jiuzhaigou Earthquake in China Using Far Magnetic Stations. Remote Sensing, 2020, 12, 1777.	1.8	12
23	Unique Pre-Earthquake Deformation Patterns in the Spatial Domains from GPS in Taiwan. Remote Sensing, 2020, 12, 366.	1.8	12
24	Potential relationships between seismo-deformation and seismo-conductivity anomalies. Journal of Asian Earth Sciences, 2015, 114, 327-337.	1.0	9
25	Wave Steepening in Ionospheric Total Electron Density due to the 21 August 2017 Total Solar Eclipse. Journal of Geophysical Research: Space Physics, 2021, 126, e2020JA028931.	0.8	9
26	Integrated Search for Taiwan Earthquake Precursors (iSTEP). IEEJ Transactions on Fundamentals and Materials, 2016, 136, 214-220.	0.2	9
27	Multiple seismo-anomalies associated with the M6.1 Ludian earthquake on August 3, 2014. Journal of Asian Earth Sciences, 2015, 114, 352-361.	1.0	8
28	Evaluation of the Applicability of the Chapman-Miller Method on Variation of the Geomagnetic Total Intensity Field in Taiwan from 1988 to 2007. Terrestrial, Atmospheric and Oceanic Sciences, 2009, 20, 799.	0.3	7
29	Instantaneous phase shift of annual subsurface temperature cycles derived by the Hilbertâ€Huang transform. Journal of Geophysical Research D: Atmospheres, 2015, 120, 1670-1677.	1.2	7
30	Magnetic Pulsations Triggered by Microseismic Ground Motion. Journal of Geophysical Research: Solid Earth, 2021, 126, e2020JB021416.	1.4	7
31	Spatiotemporal changes of seismicity rate during earthquakes. Natural Hazards and Earth System Sciences, 2020, 20, 3333-3341.	1.5	7
32	The LAI Coupling Associated with the M6 Luxian Earthquake in China on 16 September 2021. Atmosphere, 2021, 12, 1621.	1.0	7
33	Evaluating the March 27, 2013 M 6.2 Earthquake Hypocenter Using Momentary High-Conductivity Materials. Terrestrial, Atmospheric and Oceanic Sciences, 2015, 26, 1.	0.3	6
34	Artificial magnetic disturbance from the mass rapid transit system in Taiwan. Terra Nova, 2017, 29, 306-311.	0.9	5
35	Seismo-Deformation Anomalies Associated with the M6.1 Ludian Earthquake on August 3, 2014. Remote Sensing, 2020, 12, 1067.	1.8	5
36	Co-seismic signatures in magnetometer, geophone, and infrasound data during the Meinong Earthquake. Terrestrial, Atmospheric and Oceanic Sciences, 2017, 28, 683-692.	0.3	5

#	Article	IF	Citations
37	Co-seismic geomagnetic fluctuations and atmospheric disturbances during the 2018 M 6.2 Hualien Earthquake. Terrestrial, Atmospheric and Oceanic Sciences, 2019, 30, 449-465.	0.3	5
38	Typhoon-Induced Magnetic Disturbances: Cases in the Western Pacific. Terrestrial, Atmospheric and Oceanic Sciences, 2014, 25, 647.	0.3	4
39	Large air pressure changes triggered by P-SV ground motion in a cave in northern Taiwan. Scientific Reports, 2021, 11, 12850.	1.6	3
40	Frequency anomaly of groundwater level before major earthquakes in Taiwan. Proceedings of the International Association of Hydrological Sciences, 0, 372, 101-104.	1.0	3
41	Azimuthal propagation of seismo-magnetic signals from large earthquakes in Taiwan. Annals of Geophysics, 2012, 55, .	0.5	2
42	Electromagnetic Field Generated by an Earthquake Source Due to Motional Induction in 3D Stratified Media, and Application to 2008 M w 6.1 Qingchuan Earthquake. Journal of Geophysical Research: Solid Earth, 2021, 126, e2021JB022102.	1.4	2
43	Temperature response to the June 2020 solar eclipse observed by FORMOSAT-7/COSMIC2 in the Tibet sector. Terrestrial, Atmospheric and Oceanic Sciences, 2022, 33, 1.	0.3	2