

Ta-Kang Yeh

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

690
citations

516681

16
h-index

580810

25
g-index

48
all docs

48
docs citations

48
times ranked

525
citing authors

#	ARTICLE	IF	CITATIONS
1	Enhancing Precision of Global Positioning System using Short-Range Distance Baseline Field. Journal of Surveying Engineering, - ASCE, 2002, 128, 21-38.	1.7	100
2	Surface Deformation and Seismic Rebound: Implications and Applications. Surveys in Geophysics, 2011, 32, 291-313.	4.6	42
3	Groundwater strain coupling before the 1999 M w 7.6 Taiwan Chi-Chi earthquake. Journal of Hydrology, 2015, 524, 378-384.	5.4	40
4	Nighttime medium-scale traveling ionospheric disturbances detected by network GPS receivers in Taiwan. Journal of Geophysical Research, 2008, 113, .	3.3	35
5	Anomalous frequency characteristics of groundwater level before major earthquakes in Taiwan. Hydrology and Earth System Sciences, 2013, 17, 1693-1703.	4.9	30
6	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
7	Evaluation of seismo-electric anomalies using magnetic data in Taiwan. Natural Hazards and Earth System Sciences, 2013, 13, 597-604.	3.6	28
8	Magnetic storm free ULF analysis in relation with earthquakes in Taiwan. Natural Hazards and Earth System Sciences, 2012, 12, 1747-1754.	3.6	26
9	Determining the precipitable water vapor with ground-based GPS and comparing its yearly variation to rainfall over Taiwan. Advances in Space Research, 2016, 57, 2496-2507.	2.6	25
10	Determination of global positioning system (GPS) receiver clock errors: impact on positioning accuracy. Measurement Science and Technology, 2009, 20, 075105.	2.6	23
11	Construction and uncertainty evaluation of a calibration system for GPS receivers. Metrologia, 2006, 43, 451-460.	1.2	22
12	A Case Study on the Impact of Ensemble Data Assimilation with GNSS-Zenith Total Delay and Radar Data on Heavy Rainfall Prediction. Monthly Weather Review, 2020, 148, 1075-1098.	1.4	22
13	Observation of surface displacements from GPS analyses before and after the Jiashian earthquake (M=) Tj ETQq1 1 0,784314,rgBT /Ov 2,3 2P	2.3	22
14	Precipitable Water Vapor Estimates in the Australian Region from Ground-Based GPS Observations. Advances in Meteorology, 2015, 2015, 1-14.	1.6	20
15	Determining the precipitable water vapor thresholds under different rainfall strengths in Taiwan. Advances in Space Research, 2018, 61, 941-950.	2.6	20
16	Impact of surface meteorological measurements on GPS height determination. Geophysical Research Letters, 2008, 35, .	4.0	17
17	Analytical solution of a satellite orbit disturbed by atmospheric drag. Monthly Notices of the Royal Astronomical Society, 2011, 410, 654-662.	4.4	16
18	Metrology Assessment of the Accuracy of Precipitable Water Vapor Estimates from GPS Data Acquisition in Tropical Areas: The Tahiti Case. Remote Sensing, 2018, 10, 758.	4.0	15

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19	Performance improvement of network based RTK GPS positioning in Taiwan. <i>Survey Review</i> , 2012, 44, 3-8.	1.2	14
20	Determination of Epicenters before Earthquakes Utilizing Far Seismic and GNSS Data: Insights from Ground Vibrations. <i>Remote Sensing</i> , 2020, 12, 3252.	4.0	14
21	Analytical solution of a satellite orbit disturbed by lunar and solar gravitation. <i>Monthly Notices of the Royal Astronomical Society</i> , 2011, 410, 645-653.	4.4	13
22	Vertical Displacement due to Ocean Tidal Loading Around Taiwan Based on GPS Observations. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2011, 22, 373.	0.6	12
23	Unique Pre-Earthquake Deformation Patterns in the Spatial Domains from GPS in Taiwan. <i>Remote Sensing</i> , 2020, 12, 366.	4.0	12
24	The Impact on the Positioning Accuracy of the Frequency Reference of a GPS Receiver. <i>Surveys in Geophysics</i> , 2013, 34, 73-87.	4.6	11
25	Applying the Water Vapor Radiometer to Verify the Precipitable Water Vapor Measured by GPS. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2014, 25, 189.	0.6	11
26	GPS Height and Gravity Variations Due to Ocean Tidal Loading Around Taiwan. <i>Surveys in Geophysics</i> , 2008, 29, 37-50.	4.6	10
27	Potential relationships between seismo-deformation and seismo-conductivity anomalies. <i>Journal of Asian Earth Sciences</i> , 2015, 114, 327-337.	2.3	9
28	Automatic data-quality monitoring for continuous GPS tracking stations in Taiwan. <i>Metrologia</i> , 2007, 44, 393-401.	1.2	8
29	Identifying the Relationship between GPS Data Quality and Positioning Precision: Case Study on IGS Tracking Stations. <i>Journal of Surveying Engineering, - ASCE</i> , 2012, 138, 136-142.	1.7	6
30	Variability and climatology of precipitable water vapor from 12-year GPS observations in Taiwan. <i>Advances in Space Research</i> , 2021, 67, 2333-2346.	2.6	6
31	Variations in GPS precipitable water vapor and rainfall during the 2006â€“2019 Mei-yu season in Taiwan. <i>Advances in Space Research</i> , 2022, 70, 1375-1387.	2.6	6
32	GPS Height Variations Affected by Ocean Tidal Loading Along the Coast of Taiwan. <i>IEEE Sensors Journal</i> , 2016, 16, 3697-3704.	4.7	5
33	Comparisons Between Air and Subsurface Temperatures in Taiwan for the Past Century: A Global Warming Perspective. , 2011, , 185-199.		4
34	Clarifying the Relationship between Quality of Global Positioning System Data and Precision of Positioning. <i>Journal of Surveying Engineering, - ASCE</i> , 2010, 136, 41-45.	1.7	3
35	Ground-based GPS remote sensing for precipitable water vapor: A case study of the heat-island effect in Taipei. <i>Terrestrial, Atmospheric and Oceanic Sciences</i> , 2019, 30, df.	0.6	3
36	Identifying the degraded environment and bad receivers setting by using the GPS data quality indices. <i>Metrologia</i> , 2008, 45, 562-570.	1.2	2

#	ARTICLE	IF	CITATIONS
37	Equivalence of GPS Algorithms and Its Inference. , 2010, , 229-273.		2
38	Accuracy Assessment of Sea Surface Height Measurement Obtained from Shipborne PPP Positioning. Journal of Surveying Engineering, - ASCE, 2021, 147, 04021022.	1.7	2
39	Azimuthal propagation of seismo-magnetic signals from large earthquakes in Taiwan. Annals of Geophysics, 2012, 55, .	1.0	2
40	Traceability in metrology and uncertainty evaluation of a calibration system for GPS receivers. , 2003, , .		1
41	Investigation into the atmospheric parameters retrieved from ROPP and CDAAC using GPS radio occultation measurements over the Australian area. Australian Journal of Earth Sciences, 2014, 61, 785-792.	1.0	1
42	Dominant Afterslip of the 2010 Mw 6.9 Yushu, Tibetan Plateau Earthquake as Derived from GPS Observations: Implication for Seismic Hazard Assessment. Pure and Applied Geophysics, 2020, 177, 3631-3650.	1.9	1
43	Present-day strain accumulation in the Liupan Shan area, northeastern margin of the Tibetan Plateau by GPS observations. Terrestrial, Atmospheric and Oceanic Sciences, 2019, 30, 51-62.	0.6	1
44	The impact of surface meteorological measurements on GPS height determination. , 2007, , .		0
45	Constructing a System to Monitor the Data Quality of GPS Receivers. , 2007, , 222-228.		0
46	Establishment of Taiwan's standard operating procedure for network-based RTK in cadastral surveying. Survey Review, 2023, 55, 285-296.	1.2	0