Ta-Kang Yeh

List of Publications by Year
in descending order

46 papers	690 citations	586496 16 h-index	651938 25 g-index
48 all docs	48 docs citations	48 times ranked	575 citing authors

#	Article	IF	Citations
1	Establishment of Taiwanâ€™s standard operating procedure for network-based RTK in cadastral surveying. Survey Review, 2023, 55, 285-296.	0.7	0
2	Variations in GPS precipitable water vapor and rainfall during the 2006â€“2019 Mei-yu season in Taiwan. Advances in Space Research, 2022, 70, 1375-1387.	1.2	6
3	Variability and climatology of precipitable water vapor from 12-year GPS observations in Taiwan. Advances in Space Research, 2021, 67, 2333-2346.	1.2	6
4	Accuracy Assessment of Sea Surface Height Measurement Obtained from Shipborne PPP Positioning. Journal of Surveying Engineering, - ASCE, 2021, 147, 04021022.	1.0	2
5	Determination of Epicenters before Earthquakes Utilizing Far Seismic and GNSS Data: Insights from Ground Vibrations. Remote Sensing, 2020, 12, 3252.	1.8	14
6	Unique Pre-Earthquake Deformation Patterns in the Spatial Domains from GPS in Taiwan. Remote Sensing, 2020, 12, 366.	1.8	12
7	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.	0.8	1
8	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.	0.5	22
9	Ground-based GPS remote sensing for precipitable water vapor: A case study of the heat-island effect in Taipei. Terrestrial, Atmospheric and Oceanic Sciences, 2019, 30, df.	0.3	3
10	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.	0.3	1
11	Determining the precipitable water vapor thresholds under different rainfall strengths in Taiwan. Advances in Space Research, 2018, 61, 941-950.	1.2	20
12	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.	1.8	15
13	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.	1.2	25
14	GPS Height Variations Affected by Ocean Tidal Loading Along the Coast of Taiwan. IEEE Sensors Journal, 2016, 16, 3697-3704.	2.4	5
15	Potential relationships between seismo-deformation and seismo-conductivity anomalies. Journal of Asian Earth Sciences, 2015, 114, 327-337.	1.0	9
16	Precipitable Water Vapor Estimates in the Australian Region from Ground-Based GPS Observations. Advances in Meteorology, 2015, 2015, 1-14.	0.6	20
17	Groundwaterâ€“strain coupling before the 1999 M w 7.6 Taiwan Chi-Chi earthquake. Journal of Hydrology, 2015, 524, 378-384.	2.3	40
18	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.	0.4	1

#	ARTICLE	IF	CITATIONS
19	Applying the Water Vapor Radiometer to Verify the Precipitable Water Vapor Measured by GPS. Terrestrial, Atmospheric and Oceanic Sciences, 2014, 25, 189.	0.3	11
20	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
21	The Impact on the Positioning Accuracy of the Frequency Reference of a GPS Receiver. Surveys in Geophysics, 2013, 34, 73-87.	2.1	11
22	Observation of surface displacements from GPS analyses before and after the Jiashian earthquake (M=) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.0	21
23	Anomalous frequency characteristics of groundwater level before major earthquakes in Taiwan. Hydrology and Earth System Sciences, 2013, 17, 1693-1703.	1.9	30
24	Evaluation of seismo-electric anomalies using magnetic data in Taiwan. Natural Hazards and Earth System Sciences, 2013, 13, 597-604.	1.5	28
25	Identifying the Relationship between GPS Data Quality and Positioning Precision: Case Study on IGS Tracking Stations. Journal of Surveying Engineering, - ASCE, 2012, 138, 136-142.	1.0	6
26	Performance improvement of network based RTK GPS positioning in Taiwan. Survey Review, 2012, 44, 3-8.	0.7	14
27	Magnetic storm free ULF analysis in relation with earthquakes in Taiwan. Natural Hazards and Earth System Sciences, 2012, 12, 1747-1754.	1.5	26
28	Azimuthal propagation of seismo-magnetic signals from large earthquakes in Taiwan. Annals of Geophysics, 2012, 55, .	0.5	2
29	Analytical solution of a satellite orbit disturbed by lunar and solar gravitation. Monthly Notices of the Royal Astronomical Society, 2011, 410, 645-653.	1.6	13
30	Analytical solution of a satellite orbit disturbed by atmospheric drag. Monthly Notices of the Royal Astronomical Society, 2011, 410, 654-662.	1.6	16
31	Surface Deformation and Seismic Rebound: Implications and Applications. Surveys in Geophysics, 2011, 32, 291-313.	2.1	42
32	Vertical Displacement due to Ocean Tidal Loading Around Taiwan Based on GPS Observations. Terrestrial, Atmospheric and Oceanic Sciences, 2011, 22, 373.	0.3	12
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. Journal of Surveying Engineering, - ASCE, 2010, 136, 41-45.	1.0	3
35	Equivalence of GPS Algorithms and Its Inference. , 2010, , 229-273.		2
36	Determination of global positioning system (GPS) receiver clock errors: impact on positioning accuracy. Measurement Science and Technology, 2009, 20, 075105.	1.4	23

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37	GPS Height and Gravity Variations Due to Ocean Tidal Loading Around Taiwan. Surveys in Geophysics, 2008, 29, 37-50.	2.1	10
38	Impact of surface meteorological measurements on GPS height determination. Geophysical Research Letters, 2008, 35, .	1.5	17
39	Nighttime mediumâ€scale traveling ionospheric disturbances detected by network GPS receivers in Taiwan. Journal of Geophysical Research, 2008, 113, .	3.3	35
40	Identifying the degraded environment and bad receivers setting by using the GPS data quality indices. Metrologia, 2008, 45, 562-570.	0.6	2
41	Automatic data-quality monitoring for continuous GPS tracking stations in Taiwan. Metrologia, 2007, 44, 393-401.	0.6	8
42	The impact of surface meteorological measurements on GPS height determination. , 2007, , .		0
43	Constructing a System to Monitor the Data Quality of GPS Receivers. , 2007, , 222-228.		0
44	Construction and uncertainty evaluation of a calibration system for GPS receivers. Metrologia, 2006, 43, 451-460.	0.6	22
45	Traceability in metrology and uncertainty evaluation of a calibration system for GPS receivers. , 2003, , .		1
46	Enhancing Precision of Global Positioning System using Short-Range Distance Baseline Field. Journal of Surveying Engineering, - ASCE, 2002, 128, 21-38.	1.0	100