

# Shuanggen Jin

## List of Publications by Year in descending order

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382  
papers

6,771  
citations

50244

46  
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102432

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410  
docs citations

410  
times ranked

3791  
citing authors

#	ARTICLE	IF	CITATIONS
1	Remote sensing using GNSS signals: Current status and future directions. <i>Advances in Space Research</i> , 2011, 47, 1645-1653.	1.2	189
2	GNSS ionospheric seismology: Recent observation evidences and characteristics. <i>Earth-Science Reviews</i> , 2015, 147, 54-64.	4.0	139
3	M_DCB: Matlab code for estimating GNSS satellite and receiver differential code biases. <i>GPS Solutions</i> , 2012, 16, 541-548.	2.2	138
4	Seasonal variability of GPS-derived zenith tropospheric delay (1994–2006) and climate implications. <i>Journal of Geophysical Research</i> , 2007, 112, .	3.3	128
5	GPS observations of the ionospheric F2-layer behavior during the 20th November 2003 geomagnetic storm over South Korea. <i>Journal of Geodesy</i> , 2008, 82, 883-892.	1.6	120
6	GNSS Remote Sensing. <i>Remote Sensing and Digital Image Processing</i> , 2014, , .	0.7	116
7	GNSS reflectometry and remote sensing: New objectives and results. <i>Advances in Space Research</i> , 2010, 46, 111-117.	1.2	109
8	Large-scale variations of global groundwater from satellite gravimetry and hydrological models, 2002–2012. <i>Global and Planetary Change</i> , 2013, 106, 20-30.	1.6	103
9	Pan-tropical soil moisture mapping based on a three-layer model from CYGNSS GNSS-R data. <i>Remote Sensing of Environment</i> , 2020, 247, 111944.	4.6	95
10	Pattern and evolution of seismo-ionospheric disturbances following the 2011 Tohoku earthquakes from GPS observations. <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 7914-7927.	0.8	94
11	Analysis of the Refined CRUST1.0 Crustal Model and its Gravity Field. <i>Surveys in Geophysics</i> , 2015, 36, 139-165.	2.1	94
12	New results and questions of lunar exploration from SELENE, Chang'e-1, Chandrayaan-1 and LRO/LCROSS. <i>Advances in Space Research</i> , 2013, 52, 285-305.	1.2	92
13	Observing and understanding the Earth system variations from space geodesy. <i>Journal of Geodynamics</i> , 2013, 72, 1-10.	0.7	90
14	PPP models and performances from single- to quad-frequency BDS observations. <i>Satellite Navigation</i> , 2020, 1, .	4.6	88
15	Statistical characteristics of seismo-ionospheric GPS TEC disturbances prior to global Mw≥5.0 earthquakes (1998–2014). <i>Journal of Geodynamics</i> , 2015, 92, 42-49.	0.7	87
16	Micro-plate tectonics and kinematics in Northeast Asia inferred from a dense set of GPS observations. <i>Earth and Planetary Science Letters</i> , 2007, 257, 486-496.	1.8	85
17	Positive and negative ionospheric responses to the March 2015 geomagnetic storm from BDS observations. <i>Journal of Geodesy</i> , 2017, 91, 613-626.	1.6	84
18	Sea level change from BeiDou Navigation Satellite System-Reflectometry (BDS-R): First results and evaluation. <i>Global and Planetary Change</i> , 2017, 149, 20-25.	1.6	81

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19	Variability and Climatology of PWV From Global 13-Year GPS Observations. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 1918-1924.	2.7	78
20	Assessment of BeiDou differential code bias variations from multi-GNSS network observations. Annales Geophysicae, 2016, 34, 259-269.	0.6	78
21	Integrated Water Vapor Field and Multiscale Variations over China from GPS Measurements. Journal of Applied Meteorology and Climatology, 2008, 47, 3008-3015.	0.6	75
22	TEC response to the 2008 Wenchuan Earthquake in comparison with other strong earthquakes. International Journal of Remote Sensing, 2010, 31, 3601-3613.	1.3	75
23	Lake level change and total water discharge in East Africa Rift Valley from satellite-based observations. Global and Planetary Change, 2014, 117, 79-90.	1.6	69
24	Snow Depth Variations Estimated from GPS-Reflectometry: A Case Study in Alaska from L2P SNR Data. Remote Sensing, 2016, 8, 63.	1.8	67
25	GNSS-R Soil Moisture Retrieval Based on a XGboost Machine Learning Aided Method: Performance and Validation. Remote Sensing, 2019, 11, 1655.	1.8	67
26	Characterization of diurnal cycles in ZTD from a decade of global GPS observations. Journal of Geodesy, 2009, 83, 537-545.	1.6	66
27	Effects of physical correlations on long-distance GPS positioning and zenith tropospheric delay estimates. Advances in Space Research, 2010, 46, 190-195.	1.2	63
28	Evaluation of Ionospheric Delay Effects on Multi-GNSS Positioning Performance. Remote Sensing, 2019, 11, 171.	1.8	63
29	Hydrological and oceanic effects on polar motion from GRACE and models. Journal of Geophysical Research, 2010, 115, .	3.3	60
30	Assessment of the NeQuick-2 and IRI-Plas 2017 models using global and long-term GNSS measurements. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 170, 1-10.	0.6	60
31	Assessment of terrestrial water contributions to polar motion from GRACE and hydrological models. Journal of Geodynamics, 2012, 62, 40-48.	0.7	59
32	Sensing snow height and surface temperature variations in Greenland from GPS reflected signals. Advances in Space Research, 2014, 53, 1623-1633.	1.2	59
33	Terrestrial Water Storage Anomalies Associated with Drought in Southwestern USA from GPS Observations. Surveys in Geophysics, 2016, 37, 1139-1156.	2.1	58
34	Co-seismic ionospheric and deformation signals on the 2008 magnitude 8.0 Wenchuan Earthquake from GPS observations. International Journal of Remote Sensing, 2010, 31, 3535-3543.	1.3	57
35	Possible Lithosphere-Atmosphere-Ionosphere Coupling effects prior to the 2018 Mw=7.5 Indonesia earthquake from seismic, atmospheric and ionospheric data. Journal of Asian Earth Sciences, 2020, 188, 104097.	1.0	57
36	Rapid Flood Mapping and Evaluation with a Supervised Classifier and Change Detection in Shouguang Using Sentinel-1 SAR and Sentinel-2 Optical Data. Remote Sensing, 2020, 12, 2073.	1.8	55

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37	Ionospheric slab thickness and its seasonal variations observed by GPS. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2007, 69, 1864-1870.	0.6	53
38	An improvement of GPS height estimations: stochastic modeling. <i>Earth, Planets and Space</i> , 2005, 57, 253-259.	0.9	52
39	Strain accumulation in South Korea inferred from GPS measurements. <i>Earth, Planets and Space</i> , 2006, 58, 529-534.	0.9	52
40	Cycle slip detection using multi-frequency GPS carrier phase observations: A simulation study. <i>Advances in Space Research</i> , 2010, 46, 144-149.	1.2	52
41	GPS ionospheric tomography: A comparison with the IRI-2001 model over South Korea. <i>Earth, Planets and Space</i> , 2007, 59, 287-292.	0.9	51
42	Lower atmospheric anomalies following the 2008 Wenchuan Earthquake observed by GPS measurements. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2011, 73, 810-814.	0.6	51
43	Road centerline extraction from airborne LiDAR point cloud based on hierarchical fusion and optimization. <i>ISPRS Journal of Photogrammetry and Remote Sensing</i> , 2016, 118, 22-36.	4.9	51
44	3-D Water Vapor Tomography in Wuhan from GPS, BDS and GLONASS Observations. <i>Remote Sensing</i> , 2018, 10, 62.	1.8	51
45	Variability of temperature and ozone in the upper troposphere and lower stratosphere from multi-satellite observations and reanalysis data. <i>Atmospheric Chemistry and Physics</i> , 2019, 19, 6659-6679.	1.9	50
46	The understanding of length-of-day variations from satellite gravity and laser ranging measurements. <i>Geophysical Journal International</i> , 2011, 184, 651-660.	1.0	49
47	Real-time monitoring and prediction of ionospheric electron content by means of GPS. <i>Chinese Astronomy and Astrophysics</i> , 2004, 28, 331-337.	0.1	48
48	Physical Reflectivity and Polarization Characteristics for Snow and Ice-Covered Surfaces Interacting with GPS Signals. <i>Remote Sensing</i> , 2013, 5, 4006-4030.	1.8	48
49	Estimation of Snow Depth From GLONASS SNR and Phase-Based Multipath Reflectometry. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2016, 9, 4817-4823.	2.3	48
50	Soil Moisture Content from GNSS Reflectometry Using Dielectric Permittivity from Fresnel Reflection Coefficients. <i>Remote Sensing</i> , 2020, 12, 122.	1.8	48
51	Electron Density Profiles Derived From Ground-Based GPS Observations. <i>Journal of Navigation</i> , 2006, 59, 395-401.	1.0	47
52	GNSS-Reflectometry and Remote Sensing of Soil Moisture: A Review of Measurement Techniques, Methods, and Applications. <i>Remote Sensing</i> , 2020, 12, 614.	1.8	47
53	GNSS-Reflectometry: Forest canopies polarization scattering properties and modeling. <i>Advances in Space Research</i> , 2014, 54, 863-870.	1.2	45
54	Autonomous navigation of Mars probe using X-ray pulsars: Modeling and results. <i>Advances in Space Research</i> , 2013, 51, 849-857.	1.2	44

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55	Effect of Upper Mantle Density Structure on Moho Geometry. <i>Pure and Applied Geophysics</i> , 2015, 172, 1563-1583.	0.8	44
56	Water storage changes and balances in Africa observed by GRACE and hydrologic models. <i>Geodesy and Geodynamics</i> , 2016, 7, 39-49.	1.0	43
57	Anomalous seismo-LAI variations potentially associated with the 2017 Mw=7.3 Sarpol-e Zahab (Iran) earthquake from Swarm satellites, GPS-TEC and climatological data. <i>Advances in Space Research</i> , 2019, 64, 143-158.	1.2	43
58	A Neural Network-Based Ionospheric Model Over Africa From Constellation Observing System for Meteorology, Ionosphere, and Climate and Ground Global Positioning System Observations. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 10512-10532.	0.8	40
59	Separate and combined impacts of building and tree on urban thermal environment from two- and three-dimensional perspectives. <i>Building and Environment</i> , 2021, 194, 107650.	3.0	38
60	Spatio-Temporal Variations and Driving Forces of Harmful Algal Blooms in Chaohu Lake: A Multi-Source Remote Sensing Approach. <i>Remote Sensing</i> , 2021, 13, 427.	1.8	38
61	Triple-frequency carrier phase precise time and frequency transfer models for BDS-3. <i>GPS Solutions</i> , 2019, 23, 1.	2.2	37
62	Seismo ionospheric anomalies before the 2007 M7.7 Chile earthquake from GPS TEC and DEMETER. <i>Journal of Geodynamics</i> , 2019, 127, 42-51.	0.7	36
63	New modes and mechanisms of thermospheric mass density variations from GRACE accelerometers. <i>Journal of Geophysical Research: Space Physics</i> , 2016, 121, 11,191.	0.8	34
64	Pre-seismic ionospheric anomalies of the 2013 Mw=7.7 Pakistan earthquake from GPS and COSMIC observations. <i>Geodesy and Geodynamics</i> , 2018, 9, 378-387.	1.0	34
65	Coastal sea level changes in Europe from GPS, tide gauge, satellite altimetry and GRACE, 1993-2011. <i>Advances in Space Research</i> , 2013, 51, 1019-1028.	1.2	31
66	Automatic detection of impact craters on Mars using a modified adaboosting method. <i>Planetary and Space Science</i> , 2014, 99, 112-117.	0.9	31
67	Martian sub-crustal stress from gravity and topographic models. <i>Earth and Planetary Science Letters</i> , 2015, 425, 84-92.	1.8	31
68	Water storage variations in the Poyang Lake Basin estimated from GRACE and satellite altimetry. <i>Geodesy and Geodynamics</i> , 2016, 7, 108-116.	1.0	31
69	Magnetic Field and Electron Density Anomalies from Swarm Satellites Preceding the Major Earthquakes of the 2016-2017 Amatrice-Norcia (Central Italy) Seismic Sequence. <i>Pure and Applied Geophysics</i> , 2020, 177, 305-319.	0.8	31
70	Re-estimation of glacier mass loss in Greenland from GRACE with correction of land-ocean leakage effects. <i>Global and Planetary Change</i> , 2015, 135, 170-178.	1.6	30
71	GPS detection of ionospheric Rayleigh wave and its source following the 2012 Haida Gwaii earthquake. <i>Journal of Geophysical Research: Space Physics</i> , 2017, 122, 1360-1372.	0.8	30
72	Automatic DTM extraction from airborne LiDAR based on expectation-maximization. <i>Optics and Laser Technology</i> , 2019, 112, 43-55.	2.2	30

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73	Assessment of multi-frequency global navigation satellite system precise point positioning models using GPS, BeiDou, GLONASS, Galileo and QZSS. <i>Measurement Science and Technology</i> , 2020, 31, 064008.	1.4	30
74	Spatial&#x2013;Temporal Variations of Total Nitrogen and Phosphorus in Poyang, Dongting and Taihu Lakes from Landsat-8 Data. <i>Water (Switzerland)</i> , 2021, 13, 1704.	1.2	30
75	Sea level change along the Black Sea coast from satellite altimetry, tide gauge and GPS observations. <i>Geodesy and Geodynamics</i> , 2016, 7, 50-55.	1.0	29
76	Modeling and Theoretical Analysis of GNSS-R Soil Moisture Retrieval Based on the Random Forest and Support Vector Machine Learning Approach. <i>Remote Sensing</i> , 2020, 12, 3679.	1.8	29
77	GA-SVR and Pseudo-position-aided GPS/INS Integration during GPS Outage. <i>Journal of Navigation</i> , 2015, 68, 678-696.	1.0	28
78	Long&#x2013;time variations of precipitable water vapour estimated from <scp>GPS</scp>, <scp>MODIS</scp> and radiosonde observations in Turkey. <i>International Journal of Climatology</i> , 2017, 37, 5170-5180.	1.5	28
79	Temporal-Spatial Soil Moisture Estimation from CYGNSS Using Machine Learning Regression With a Preclassification Approach. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021, 14, 4879-4893.	2.3	28
80	Ionospheric VTEC and satellite DCB estimated from single-frequency BDS observations with multi-layer mapping function. <i>GPS Solutions</i> , 2021, 25, 1.	2.2	26
81	A new bound constraints method for 3-D potential field data inversion using Lagrangian multipliers. <i>Geophysical Journal International</i> , 2015, 201, 267-275.	1.0	25
82	A new GPS-based calibration of GRACE accelerometers using the arc-to-chord threshold uncovered sinusoidal disturbing signal. <i>Aerospace Science and Technology</i> , 2015, 45, 265-271.	2.5	25
83	Rapid displacement determination with a stand-alone multi-GNSS receiver: GPS, Beidou, GLONASS, and Galileo. <i>GPS Solutions</i> , 2019, 23, 1.	2.2	25
84	Significant Wave Height Estimation from Space-Borne Cyclone-GNSS Reflectometry. <i>Remote Sensing</i> , 2019, 11, 584.	1.8	24
85	First Measurement of Soil Freeze/Thaw Cycles in the Tibetan Plateau Using CYGNSS GNSS-R Data. <i>Remote Sensing</i> , 2020, 12, 2361.	1.8	24
86	Roles of horizontal and vertical tree canopy structure in mitigating daytime and nighttime urban heat island effects. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2020, 89, 102060.	1.4	24
87	Evaluation of the Land GNSS-Reflected DDM Coherence on Soil Moisture Estimation from CYGNSS Data. <i>Remote Sensing</i> , 2021, 13, 570.	1.8	24
88	Calibration and Evaluation of Precipitable Water Vapor From MODIS Infrared Observations at Night. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015, 53, 2612-2620.	2.7	23
89	Thermospheric density estimation and responses to the March 2013 geomagnetic storm from GRACE GPS-determined precise orbits. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2017, 154, 167-179.	0.6	22
90	Estimation and Analysis of BDS-3 Differential Code Biases from MGEX Observations. <i>Remote Sensing</i> , 2020, 12, 68.	1.8	22

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91	Water Quality Variability and Related Factors along the Yangtze River Using Landsat-8. Remote Sensing, 2021, 13, 2241.	1.8	22
92	3-D ionospheric tomography from dense GNSS observations based on an improved two-step iterative algorithm. Advances in Space Research, 2018, 62, 809-820.	1.2	21
93	Co-seismic displacement and waveforms of the 2018 Alaska earthquake from high-rate GPS PPP velocity estimation. Journal of Geodesy, 2019, 93, 1559-1569.	1.6	21
94	Hydrologic Mass Changes and Their Implications in Mediterranean-Climate Turkey from GRACE Measurements. Remote Sensing, 2019, 11, 120.	1.8	20
95	Water Storage Variations in Tibet from GRACE, ICESat, and Hydrological Data. Remote Sensing, 2019, 11, 1103.	1.8	20
96	A mean shift segmentation morphological filter for airborne LiDAR DTM extraction under forest canopy. Optics and Laser Technology, 2021, 136, 106728.	2.2	20
97	An evaluation of potential solar radio emission power threat on GPS and GLONASS performance. GPS Solutions, 2012, 16, 411-424.	2.2	19
98	Two-Mode Ionospheric Disturbances Following the 2005 Northern California Offshore Earthquake From GPS Measurements. Journal of Geophysical Research: Space Physics, 2018, 123, 8587-8598.	0.8	19
99	Sensitivity analysis of gravity anomalies and vertical gravity gradient data for bathymetry inversion. Marine Geophysical Researches, 2019, 40, 87-96.	0.5	19
100	Glacial density and GIA in Alaska estimated from ICESat, GPS and GRACE measurements. Journal of Geophysical Research F: Earth Surface, 2017, 122, 76-90.	1.0	18
101	A methodology for simple 2-D inundation analysis in urban area using SWMM and GIS. Natural Hazards, 2019, 97, 15-43.	1.6	18
102	Optimal sampling strategy of water quality monitoring at high dynamic lakes: A remote sensing and spatial simulated annealing integrated approach. Science of the Total Environment, 2021, 777, 146113.	3.9	18
103	A revision of the parameters of the NNR-NUVEL-1A plate velocity model. Journal of Geodynamics, 2004, 38, 85-92.	0.7	17
104	Diurnal and semidiurnal atmospheric tides observed by co-located GPS and VLBI measurements. Journal of Atmospheric and Solar-Terrestrial Physics, 2008, 70, 1366-1372.	0.6	17
105	An Active Learning Method for DEM Extraction From Airborne LiDAR Point Clouds. IEEE Access, 2019, 7, 89366-89378.	2.6	17
106	Distinct thermospheric mass density variations following the September 2017 geomagnetic storm from GRACE and Swarm. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 184, 30-36.	0.6	17
107	High-Precision GNSS PWV and Its Variation Characteristics in China Based on Individual Station Meteorological Data. Remote Sensing, 2021, 13, 1296.	1.8	17
108	Wood and leaf separation from terrestrial LiDAR point clouds based on mode points evolution. ISPRS Journal of Photogrammetry and Remote Sensing, 2021, 178, 219-239.	4.9	17

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109	Seismicity and GPS constraints on crustal deformation in the southern part of the Korean Peninsula. <i>Geosciences Journal</i> , 2006, 10, 491-497.	0.6	16
110	Estimate of glacial isostatic adjustment uplift rate in the Tibetan Plateau from GRACE and GIA models. <i>Journal of Geodynamics</i> , 2013, 72, 59-66.	0.7	16
111	Ionospheric Rayleigh Wave Disturbances Following the 2018 Alaska Earthquake from GPS Observations. <i>Remote Sensing</i> , 2019, 11, 901.	1.8	16
112	Characterization of Irreversible Land Subsidence in the Yazd-Ardakan Plain, Iran From 2003 to 2020 InSAR Time Series. <i>Journal of Geophysical Research: Solid Earth</i> , 2021, 126, e2021JB022258.	1.4	16
113	Spatio-Temporal Trends of Surface Energy Budget in Tibet from Satellite Remote Sensing Observations and Reanalysis Data. <i>Remote Sensing</i> , 2021, 13, 256.	1.8	16
114	Spaceborne GNSS-R Soil Moisture Retrieval: Status, Development Opportunities, and Challenges. <i>Remote Sensing</i> , 2021, 13, 45.	1.8	16
115	Ionospheric TEC Variations at low Latitude Indian Region. , 2015, , .		15
116	Recent glacier changes in the Tien Shan observed by satellite gravity measurements. <i>Global and Planetary Change</i> , 2016, 143, 81-87.	1.6	15
117	Assessment of conservative force models from GRACE accelerometers and precise orbit determination. <i>Aerospace Science and Technology</i> , 2016, 49, 80-87.	2.5	15
118	Improvement of Multi-GNSS Precise Point Positioning Performances with Real Meteorological Data. <i>Journal of Navigation</i> , 2018, 71, 1363-1380.	1.0	15
119	Vertical Deflections and Gravity Disturbances Derived from HY-2A Data. <i>Remote Sensing</i> , 2020, 12, 2287.	1.8	15
120	Estimation of LEO-GPS receiver differential code bias based on inequality constrained least square and multi-layer mapping function. <i>GPS Solutions</i> , 2020, 24, 1.	2.2	15
121	Multi-Category Segmentation of Sentinel-2 Images Based on the Swin UNet Method. <i>Remote Sensing</i> , 2022, 14, 3382.	1.8	15
122	First evidence of anisotropy of GPS phase slips caused by the mid-latitude field-aligned ionospheric irregularities. <i>Advances in Space Research</i> , 2011, 47, 1674-1680.	1.2	14
123	Assessment of InSAR Atmospheric Correction Using Both MODIS Near-Infrared and Infrared Water Vapor Products. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2014, 52, 5726-5735.	2.7	14
124	Effect of gravity waves on the tropopause temperature, height and water vapor in Tibet from COSMIC GPS Radio Occultation observations. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2016, 138-139, 23-31.	0.6	14
125	Present-day kinematics in the Eastern Mediterranean and Caucasus from dense GPS observations. <i>Physics of the Earth and Planetary Interiors</i> , 2017, 268, 54-64.	0.7	14
126	Global Surface Mass Variations from Continuous GPS Observations and Satellite Altimetry Data. <i>Remote Sensing</i> , 2017, 9, 1000.	1.8	14



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127	Monitoring Bare Soil Freeze-Thaw Process Using GPS-Interferometric Reflectometry: Simulation and Validation. <i>Remote Sensing</i> , 2018, 10, 14.	1.8	14
128	Analytical performance and validations of the Galileo five-frequency precise point positioning models. <i>Measurement: Journal of the International Measurement Confederation</i> , 2021, 172, 108890.	2.5	14
129	Long-Term Variations of Plasmaspheric Total Electron Content from Topside GPS Observations on LEO Satellites. <i>Remote Sensing</i> , 2021, 13, 545.	1.8	14
130	Systematic errors between VLBI and GPS precipitable water vapor estimations from 5-year co-located measurements. <i>Journal of Atmospheric and Solar-Terrestrial Physics</i> , 2009, 71, 264-272.	0.6	13
131	Global Surface Geostrophic Ocean Currents Derived from Satellite Altimetry and GOCE Geoid. <i>Marine Geodesy</i> , 2012, 35, 175-189.	0.9	13
132	Evaluation of regional ionospheric grid model over China from dense GPS observations. <i>Geodesy and Geodynamics</i> , 2016, 7, 361-368.	1.0	13
133	The December 2015 Mount Etna eruption: An analysis of inflation/deflation phases and faulting processes. <i>Journal of Geodynamics</i> , 2017, 107, 34-45.	0.7	13
134	Mars Cruise Orbit Determination from Combined Optical Celestial Techniques and X-ray Pulsars. <i>Journal of Navigation</i> , 2017, 70, 719-734.	1.0	13
135	Thermospheric Variations From GNSS and Accelerometer Measurements on Small Satellites. <i>Proceedings of the IEEE</i> , 2018, 106, 484-495.	16.4	13
136	Hydrological mass variations in the Nile River Basin from GRACE and hydrological models. <i>Geodesy and Geodynamics</i> , 2019, 10, 430-438.	1.0	13
137	Atmospheric Sounding from Fengyun-3C GPS Radio Occultation Observations: First Results and Validation. <i>Advances in Meteorology</i> , 2019, 2019, 1-13.	0.6	13
138	Cycle Slip Detection during High Ionospheric Activities Based on Combined Triple-Frequency GNSS Signals. <i>Remote Sensing</i> , 2019, 11, 250.	1.8	13
139	Evaluation of Spaceborne GNSS-R Retrieved Ocean Surface Wind Speed with Multiple Datasets. <i>Remote Sensing</i> , 2019, 11, 2747.	1.8	13
140	Determination of the isostatic and gravity Moho in the East China Sea and its implications. <i>Journal of Asian Earth Sciences</i> , 2020, 187, 104098.	1.0	13
141	Near Real-Time Soil Moisture in China Retrieved From CyGNSS Reflectivity. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2022, 19, 1-5.	1.4	13
142	Elastic Least-Squares Reverse-Time Migration Based on a Modified Acoustic-Elastic Coupled Equation for OBS Four-Component Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021, 59, 9772-9782.	2.7	13
143	Peculiar features of ionospheric $F_3$ layer during prolonged solar minimum (2007-2009). <i>Journal of Geophysical Research: Space Physics</i> , 2014, 119, 8685-8697.	0.8	12
144	Evaluation of ocean tide loading effects on GPS-estimated precipitable water vapour in Turkey. <i>Geodesy and Geodynamics</i> , 2016, 7, 32-38.	1.0	12

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145	Seasonal Variations and Global Wave Distributions in the Mars Thermosphere From MAVEN and Multisatellites Accelerometerâ€Derived Mass Densities. <i>Journal of Geophysical Research: Space Physics</i> , 2019, 124, 9315-9334.	0.8	12
146	Effects of Interferometric Radar Altimeter Errors on Marine Gravity Field Inversion. <i>Sensors</i> , 2020, 20, 2465.	2.1	12
147	Co-Seismic Magnetic Field Perturbations Detected by Swarm Three-Satellite Constellation. <i>Remote Sensing</i> , 2020, 12, 1166.	1.8	12
148	Short-Term Landslide Displacement Detection Based on GNSS Real-Time Kinematic Positioning. <i>IEEE Transactions on Instrumentation and Measurement</i> , 2021, 70, 1-14.	2.4	12
149	New Modes and Mechanisms of Longâ€Term Ionospheric TEC Variations From Global Ionosphere Maps. <i>Journal of Geophysical Research: Space Physics</i> , 2020, 125, e2019JA027703.	0.8	12
150	Validating the Variability of Snow Accumulation and Melting From GPS-Reflected Signals: Forward Modeling. <i>IEEE Transactions on Antennas and Propagation</i> , 2015, 63, 2646-2654.	3.1	11
151	Ionospheric disturbances following the March 2015 geomagnetic storm from GPS observations in China. <i>Geodesy and Geodynamics</i> , 2018, 9, 288-295.	1.0	11
152	The Second-Order Derivative of GPS Carrier Phase as a Promising Means for Ionospheric Scintillation Research. <i>Pure and Applied Geophysics</i> , 2019, 176, 4555-4573.	0.8	11
153	Individual Tree Extraction from Terrestrial LiDAR Point Clouds Based on Transfer Learning and Gaussian Mixture Model Separation. <i>Remote Sensing</i> , 2021, 13, 223.	1.8	11
154	Present-day spreading motion of the mid-Atlantic ridge. <i>Science Bulletin</i> , 2002, 47, 1551.	1.7	10
155	Active Motion of Tectonic Blocks in East Asia: Evidence from GPS Measurement. <i>Acta Geologica Sinica</i> , 2003, 77, 59-63.	0.8	10
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