# Yinbin Yao

List of Publications by Year
in descending order

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| 185 | 3,362 | 159358 | 233125 |
|---|---|---|---|
| papers | citations | 30 h-index | 45 g-index |

| 190 | 190 | 190 | 1498 |
|---|---|---|---|
| all docs | docs citations | times ranked | citing authors |

| # | Article | IF | Citations |
|---|---|---|---|
| 1 | Hourly Rainfall Forecast Model Using Supervised Learning Algorithm. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-9. | 2.7 | 31 |
| 2 | Near Real-Time Global Ionospheric Modeling Based on an Adaptive Kalman Filter State Error Covariance Matrix Determination Method. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12. | 2.7 | 4 |
| 3 | Adaptive AOD Forecast Model Based on GNSS-Derived PWV and Meteorological Parameters. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10. | 2.7 | 4 |
| 4 | Two-Step Precipitable Water Vapor Fusion Method. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-10. | 2.7 | 8 |
| 5 | Conventional and neural network-based water vapor density model for GNSS troposphere tomography. GPS Solutions, 2022, 26, 1. | 2.2 | 7 |
| 6 | FY-3A/MERSI precipitable water vapor reconstruction and calibration using multi-source observation data based on a generalized regression neural network. Atmospheric Research, 2022, 265, 105893. | 1.8 | 11 |
| 7 | Adaptive Aerosol Optical Depth Forecasting Model Using GNSS Observation. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-9. | 2.7 | 6 |
| 8 | Improving the accuracy and spatial resolution of precipitable water vapor dataset using a neural network-based downscaling method. Atmospheric Environment, 2022, 269, 118850. | 1.9 | 6 |
| 9 | Quantitatively Analyzing the Impacts of Seasonal Water Storage Changes in the Three Gorges Reservoir on Nearby Crust. Pure and Applied Geophysics, 2022, 179, 817. | 0.8 | 1 |
| 10 | Reconstructing the data gap between GRACE and GRACE follow-on at the basin scale using artificial neural network. Science of the Total Environment, 2022, 823, 153770. | 3.9 | 11 |
| 11 | Daytime F Region Echoes at Equatorial Ionization Anomaly Crest During Geomagnetic Quiet Period: Observations From Multiâ€Instruments. Space Weather, 2022, 20, . | 1.3 | 2 |
| 12 | Research on the ionospheric diurnal Double-Maxima patterns in Asia-Australian area based on the VTEC observations of BDS geostationary satellites. Advances in Space Research, 2022, , . | 1.2 | 1 |
| 13 | Threeâ€Dimensional Reconstruction of Tongue of Ionization During the 11 October 2010 Geomagnetic Storm and Evolution Analysis With TIEGCM. Space Weather, 2022, 20, . | 1.3 | 1 |
| 14 | Bridging the data gap between GRACE and GRACE-FO using artificial neural network in Greenland. Journal of Hydrology, 2022, 608, 127614. | 2.3 | 9 |
| 15 | Editing arcs to improve the capacity of GNSS-IR for soil moisture retrieval in undulating terrains. GPS Solutions, 2022, 26, 1. | 2.2 | 14 |
| 16 | An Improved MODIS NIR PWV Retrieval Algorithm Based on an Artificial Neural Network Considering the Land-Cover Types. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-12. | 2.7 | 9 |
| 17 | A novel ionospheric mapping function modeling at regional scale using empirical orthogonal functions and GNSS data. Journal of Geodesy, 2022, 96, 1. | 1.6 | 5 |
| 18 | Precipitable water vapor fusion method based on artificial neural network. Advances in Space Research, 2022, 70, 85-95. | 1.2 | 6 |

| # | Article | IF | Citations |
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| 19 | Jointly using the GLDAS 2.2 model and GRACE to study the severe Yangtze flooding of 2020. Journal of Hydrology, 2022, 610, 127927. | 2.3 | 8 |
| 20 | GNSS-derived PWV and meteorological data for short-term rainfall forecast based on support vector machine. Advances in Space Research, 2022, 70, 992-1003. | 1.2 | 2 |
| 21 | Retrieval of high spatial resolution precipitable water vapor maps using heterogeneous earth observation data. Remote Sensing of Environment, 2022, 278, 113100. | 4.6 | 16 |
| 22 | Analysis of the 3-D Evolution Characteristics of Ionospheric Anomalies During a Geomagnetic Storm Through Fusion of GNSS and COSMIC-2 Data. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-19. | 2.7 | 2 |
| 23 | Transformer-Based Global Zenith Tropospheric Delay Forecasting Model. Remote Sensing, 2022, 14, 3335. | 1.8 | 4 |
| 24 | An Updated Experimental Model of IGâ‚‚, Indices Over the Antarctic Region via the Assimilation of IRI2016 With GNSS TEC. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 1700-1717. | 2.7 | 7 |
| 25 | An Improved Computerized Ionospheric Tomography Model Fusing 3-D Multisource Ionospheric Data Enabled Quantifying the Evolution of Magnetic Storm. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 3725-3736. | 2.7 | 3 |
| 26 | A new three-dimensional computerized ionospheric tomography model based on a neural network. GPS Solutions, 2021, 25, 1. | 2.2 | 20 |
| 27 | GNSS-Based Statistical Analysis of Ionospheric Anomalies During Typhoon Landings in Taiwan/Japan. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 5272-5279. | 2.7 | 4 |
| 28 | Retrieval of a High-Precision Drought Monitoring Index by Using GNSS-Derived ZTD and Temperature. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 8730-8743. | 2.3 | 6 |
| 29 | Accuracy Analysis of International Reference Ionosphere 2016 and NeQuick2 in the Antarctic. Sensors, 2021, 21, 1551. | 2.1 | 6 |
| 30 | Precipitable water vapor fusion based on a generalized regression neural network. Journal of Geodesy, 2021, 95, 1. | 1.6 | 39 |
| 31 | Study of Spatial and Temporal Variations of Ionospheric Total Electron Content in Japan, during 2014â€“2019 and the 2016 Kumamoto Earthquake. Sensors, 2021, 21, 2156. | 2.1 | 3 |
| 32 | Improving the Estimation of Weighted Mean Temperature in China Using Machine Learning Methods. Remote Sensing, 2021, 13, 1016. | 1.8 | 26 |
| 33 | Interannual ice mass variations over the Antarctic ice sheet from 2003 to 2017 were linked to El NiÃ±o-Southern Oscillation. Earth and Planetary Science Letters, 2021, 560, 116796. | 1.8 | 14 |
| 34 | High temporal resolution global PWV dataset of 2005â€“2016 by using a neural network approach to determine the mean temperature of the atmosphere. Advances in Space Research, 2021, 67, 3087-3097. | 1.2 | 9 |
| 35 | Recent trends in precipitation over the Myanmar Coast during onset and withdrawal phases of monsoon season. Theoretical and Applied Climatology, 2021, 145, 363-376. | 1.3 | 4 |
| 36 | Regional GNSS-Derived SPCI: Verification and Improvement in Yunnan, China. Remote Sensing, 2021, 13, 1918. | 1.8 | 10 |

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| 37 | Three-dimensional reconstruction of seismo-traveling ionospheric disturbances after March 11, 2011, Japan Tohoku earthquake. Journal of Geodesy, 2021, 95, 1. | 1.6 | 5 |
| 38 | An Improved Single-Epoch Attitude Determination Method for Low-Cost Single-Frequency GNSS Receivers. Remote Sensing, 2021, 13, 2746. | 1.8 | 3 |
| 39 | Characterization of Highâ€m ULF Wave Signatures in GPS TEC Data. Geophysical Research Letters, 2021, 48, e2021GL094282. | 1.5 | 6 |
| 40 | A Regional Model for Predicting Tropospheric Delay and Weighted Mean Temperature in China Based on GRAPES_MESO Forecasting Products. Remote Sensing, 2021, 13, 2644. | 1.8 | 8 |
| 41 | A novel method of retrieving potential ET in China. Journal of Hydrology, 2021, 598, 126271. | 2.3 | 11 |
| 42 | Ordered Subsets-Constrained ART Algorithm for Ionospheric Tomography by Combining VTEC Data. IEEE Transactions on Geoscience and Remote Sensing, 2021, 59, 7051-7061. | 2.7 | 9 |
| 43 | GRACE and land surface models reveal severe drought in eastern China in 2019. Journal of Hydrology, 2021, 601, 126640. | 2.3 | 20 |
| 44 | A novel ENSO monitoring index and its potential for drought application. Journal of Atmospheric and Solar-Terrestrial Physics, 2021, 225, 105762. | 0.6 | 5 |
| 45 | A global empirical orthogonal function model of plasmaspheric electron content. Advances in Space Research, 2020, 65, 138-151. | 1.2 | 2 |
| 46 | Hourly PWV Dataset Derived from GNSS Observations in China. Sensors, 2020, 20, 231. | 2.1 | 25 |
| 47 | Multi-scale ionosphere responses to the May 2017 magnetic storm over the Asian sector. GPS Solutions, 2020, 24, 1. | 2.2 | 14 |
| 48 | Improving the estimate of the secular variation of Greenland ice mass in the recent decades by incorporating a stochastic process. Earth and Planetary Science Letters, 2020, 549, 116518. | 1.8 | 12 |
| 49 | A Refined Tomographic Window for GNSS-Derived Water Vapor Tomography. Remote Sensing, 2020, 12, 2999. | 1.8 | 4 |
| 50 | Forecasting Global Ionospheric TEC Using Deep Learning Approach. Space Weather, 2020, 18, e2020SW002501. | 1.3 | 80 |
| 51 | A New GNSS-Derived Water Vapor Tomography Method Based on Optimized Voxel for Large GNSS Network. Remote Sensing, 2020, 12, 2306. | 1.8 | 10 |
| 52 | Hybrid precipitable water vapor fusion model in China. Journal of Atmospheric and Solar-Terrestrial Physics, 2020, 208, 105387. | 0.6 | 15 |
| 53 | Preliminary result of capturing the signature of heavy rainfall events using the 2-d-/4-d water vapour information derived from GNSS measurement in Hong Kong. Advances in Space Research, 2020, 66, 1537-1550. | 1.2 | 11 |
| 54 | 3â€D Tomographic Reconstruction of SED Plume During 17 March 2013 Storm. Journal of Geophysical Research: Space Physics, 2020, 125, e2020JA028257. | 0.8 | 13 |

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| 55 | Multi-Instrumental Observations of Early Morning Equatorial Plasma Depletions During the 2017 Memorial Weekend Storm. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2020, 13, 5351-5357. | 2.3 | 1 |
| 56 | A Refinement Method of Real-Time Ionospheric Model for China. Remote Sensing, 2020, 12, 3354. | 1.8 | 1 |
| 57 | An improved ridge estimation (IRE) method for troposphere water vapor tomography. Journal of Atmospheric and Solar-Terrestrial Physics, 2020, 207, 105366. | 0.6 | 3 |
| 58 | Analysis of Ionospheric Disturbances Caused by the 2018 Bering Sea Meteor Explosion Based on GPS Observations. Sensors, 2020, 20, 3201. | 2.1 | 9 |
| 59 | A Refined Regional Model for Estimating Pressure, Temperature, and Water Vapor Pressure for Geodetic Applications in China. Remote Sensing, 2020, 12, 1713. | 1.8 | 15 |
| 60 | A Novel ENSO Monitoring Method using Precipitable Water Vapor and Temperature in Southeast China. Remote Sensing, 2020, 12, 649. | 1.8 | 11 |
| 61 | An improved GNSS tropospheric tomography method with the GPT2w model. GPS Solutions, 2020, 24, 1. | 2.2 | 24 |
| 62 | Development of Global Tropospheric Empirical Correction Model with High Temporal Resolution. Remote Sensing, 2020, 12, 721. | 1.8 | 10 |
| 63 | An Improved Rainfall Forecasting Model Based on GNSS Observations. IEEE Transactions on Geoscience and Remote Sensing, 2020, 58, 4891-4900. | 2.7 | 68 |
| 64 | Improved GPT2w (IGPT2w) model for site specific zenith tropospheric delay estimation in China. Journal of Atmospheric and Solar-Terrestrial Physics, 2020, 198, 105202. | 0.6 | 13 |
| 65 | Anomaly Variation of Vegetation and Its Influencing Factors in Mainland China During ENSO Period. IEEE Access, 2020, 8, 721-734. | 2.6 | 14 |
| 66 | An improved constrained simultaneous iterative reconstruction technique for ionospheric tomography. GPS Solutions, 2020, 24, 1. | 2.2 | 14 |
| 67 | A Drought Monitoring Method Based on Precipitable Water Vapor and Precipitation. Journal of Climate, 2020, 33, 10727-10741. | 1.2 | 41 |
| 68 | Studies of precipitable water vapour characteristics on a global scale. International Journal of Remote Sensing, 2019, 40, 72-88. | 1.3 | 17 |
| 69 | A Global Model for Estimating Tropospheric Delay and Weighted Mean Temperature Developed with Atmospheric Reanalysis Data from 1979 to 2017. Remote Sensing, 2019, 11, 1893. | 1.8 | 50 |
| 70 | An ERA5â€Based Model for Estimating Tropospheric Delay and Weighted Mean Temperature Over China With Improved Spatiotemporal Resolutions. Earth and Space Science, 2019, 6, 1926-1941. | 1.1 | 46 |
| 71 | Comparisons between the WRF data assimilation and the GNSS tomography technique in retrieving 3-D wet refractivity fields in Hong Kong. Annales Geophysicae, 2019, 37, 25-36. | 0.6 | 4 |
| 72 | Ingestion of GIM-derived TEC data for updating IRI-2016 driven by effective IG indices over the European region. Journal of Geodesy, 2019, 93, 1911-1930. | 1.6 | 13 |

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| 73 | Establishment of a Real-Time Local Tropospheric Fusion Model. Remote Sensing, 2019, 11, 1321. | 1.8 | 19 |
| 74 | Reconstruction of 2D/3D ionospheric disturbances in high-latitude and arctic regions during a geomagnetic storm using GNSS carrier TEC: a case study of the 2015 great storm. Journal of Geodesy, 2019, 93, 1529-1541. | 1.6 | 8 |
| 75 | Evidence of Mid- and Low-Latitude Nighttime Ionospheric $E$ â€“$F$ Coupling: Coordinated Observations of Sporadic $E$ Layers, $F$ -Region Field-Aligned Irregularities, and Medium-Scale Traveling Ionospheric Disturbances. IEEE Transactions on Geoscience and Remote Sensing, 2019, 57, 7547-7557. | 2.7 | 13 |
| 76 | Geodetic and hydrological measurements reveal the recent acceleration of groundwater depletion in North China Plain. Journal of Hydrology, 2019, 575, 1065-1072. | 2.3 | 79 |
| 77 | A new datum jump detection and mitigation method of Real-Time Service (RTS) clock products. GPS Solutions, 2019, 23, 1. | 2.2 | 5 |
| 78 | A new troposphere tomography algorithm with a truncation factor model (TFM) for GNSS networks. GPS Solutions, 2019, 23, 1. | 2.2 | 21 |
| 79 | A New GPS SNR-based Combination Approach for Land Surface Snow Depth Monitoring. Scientific Reports, 2019, 9, 3814. | 1.6 | 18 |
| 80 | Multi-Time Scale Analysis of Regional Aerosol Optical Depth Changes in National-Level Urban Agglomerations in China Using Modis Collection 6.1 Datasets from 2001 to 2017. Remote Sensing, 2019, 11, 201. | 1.8 | 18 |
| 81 | Real-Time Global Ionospheric Map and Its Application in Single-Frequency Positioning. Sensors, 2019, 19, 1138. | 2.1 | 16 |
| 82 | The realization and evaluation of mixed GPS/BDS PPP ambiguity resolution. Journal of Geodesy, 2019, 93, 1283-1295. | 1.6 | 5 |
| 83 | Geodetic and model data reveal different spatio-temporal patterns of transient mass changes over Greenland from 2007 to 2017. Earth and Planetary Science Letters, 2019, 515, 154-163. | 1.8 | 21 |
| 84 | An improved pixel-based water vapor tomography model. Annales Geophysicae, 2019, 37, 89-100. | 0.6 | 6 |
| 85 | Short-term rainfall forecast model based on the improved BPâ€“NN algorithm. Scientific Reports, 2019, 9, 19751. | 1.6 | 50 |
| 86 | A New Typhoon-Monitoring Method Using Precipitation Water Vapor. Remote Sensing, 2019, 11, 2845. | 1.8 | 24 |
| 87 | Improved Drought Monitoring Index Using GNSS-Derived Precipitable Water Vapor over the Loess Plateau Area. Sensors, 2019, 19, 5566. | 2.1 | 16 |
| 88 | Precipitable water vapor fusion: an approach based on spherical cap harmonic analysis and Helmert variance component estimation. Journal of Geodesy, 2019, 93, 2605-2620. | 1.6 | 29 |
| 89 | A new method for vertical stratification of zenith tropospheric delay. Advances in Space Research, 2019, 63, 2857-2866. | 1.2 | 13 |
| 90 | GNSS-derived PWV and comparison with radiosonde and ECMWF ERA-Interim data over mainland China. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 182, 85-92. | 0.6 | 61 |

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|---|---|---|---|
| 91 | Study on the plasmaspheric Weddell Sea Anomaly based on COSMIC onboard GPS measurements. Journal of Atmospheric and Solar-Terrestrial Physics, 2019, 192, 104923. | 0.6 | 6 |
| 92 | On the errors-in-variables model with inequality constraints of dependent variables for geodetic transformation. Survey Review, 2019, 51, 166-171. | 0.7 | 2 |
| 93 | Accuracy and reliability of tropospheric wet refractivity tomography with GPS, BDS, and GLONASS observations. Advances in Space Research, 2019, 63, 2836-2847. | 1.2 | 14 |
| 94 | Tridimensional reconstruction of the Co-Seismic Ionospheric Disturbance around the time of 2015 Nepal earthquake. Journal of Geodesy, 2018, 92, 1255-1266. | 1.6 | 19 |
| 95 | Evaluation and analysis of real-time precise orbits and clocks products from different IGS analysis centers. Advances in Space Research, 2018, 61, 2942-2954. | 1.2 | 54 |
| 96 | A new weighted mean temperature model in China. Advances in Space Research, 2018, 61, 402-412. | 1.2 | 11 |
| 97 | GPS-based PWV for precipitation forecasting and its application to a typhoon event. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 167, 124-133. | 0.6 | 73 |
| 98 | An empirical zenith wet delay correction model using piecewise height functions. Annales Geophysicae, 2018, 36, 1507-1519. | 0.6 | 8 |
| 99 | Plasmaspheric Electron Content Inferred from Residuals between GNSS-Derived and TOPEX/JASON Vertical TEC Data. Remote Sensing, 2018, 10, 621. | 1.8 | 20 |
| 100 | Geodetic measurements reveal short-term changes of glacial mass near Jakobshavn IsbrÃ¦ (Greenland) from 2007 to 2017. Earth and Planetary Science Letters, 2018, 503, 216-226. | 1.8 | 10 |
| 101 | Development and Assessment of the Atmospheric Pressure Vertical Correction Model With ERAâ€Interim and Radiosonde Data. Earth and Space Science, 2018, 5, 777-789. | 1.1 | 5 |
| 102 | Establishment and Evaluation of a New Meteorological Observation-Based Grid Model for Estimating Zenith Wet Delay in Ground-Based Global Navigation Satellite System (GNSS). Remote Sensing, 2018, 10, 1718. | 1.8 | 13 |
| 103 | Extending a model for water vapor sounding by ground-based GNSS in the vertical direction. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 179, 358-366. | 0.6 | 8 |
| 104 | Mapping seasonal impervious surface dynamics in Wuhan urban agglomeration, China from 2000 to 2016. International Journal of Applied Earth Observation and Geoinformation, 2018, 70, 51-61. | 1.4 | 26 |
| 105 | Real-time precise point positioning-based zenith tropospheric delay for precipitation forecasting. Scientific Reports, 2018, 8, 7939. | 1.6 | 39 |
| 106 | GPS Interferometric Reflectometry Reveals Cyclic Elevation Changes in Thaw and Freezing Seasons in a Permafrost Area (Barrow, Alaska). Geophysical Research Letters, 2018, 45, 5581-5589. | 1.5 | 27 |
| 107 | Near-global GPS-derived PWV and its analysis in the El NiÃ±o event of 2014â€“2016. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 179, 69-80. | 0.6 | 25 |
| 108 | An analytical approach to evaluate point cloud registration error utilizing targets. ISPRS Journal of Photogrammetry and Remote Sensing, 2018, 143, 48-56. | 4.9 | 7 |

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| 109 | An Optimal Tropospheric Tomography Method Based on the Multi-GNSS Observations. Remote Sensing, 2018, 10, 234. | 1.8 | 23 |
| 110 | Influence of Three Ionospheric Models on Navigation Positioning Accuracy in China. Lecture Notes in Electrical Engineering, 2018, , 493-500. | 0.3 | 0 |
| 111 | GGOS tropospheric delay forecast product performance evaluation and its application in real-time PPP. Journal of Atmospheric and Solar-Terrestrial Physics, 2018, 175, 1-17. | 0.6 | 19 |
| 112 | A modified three-dimensional ionospheric tomography algorithm with side rays. GPS Solutions, 2018, 22, 1. | 2.2 | 15 |
| 113 | Troposphere Water Vapour Tomography: A Horizontal Parameterised Approach. Remote Sensing, 2018, 10, 1241. | 1.8 | 11 |
| 114 | An optimal tropospheric tomography approach with the support of an auxiliary area. Annales Geophysicae, 2018, 36, 1037-1046. | 0.6 | 14 |
| 115 | An Improved Iterative Algorithm for Ionospheric Tomography Reconstruction by Using the Automatic Search Technology of Relaxation Factor. Radio Science, 2018, 53, 1051-1066. | 0.8 | 15 |
| 116 | Global ionospheric modeling based on multi-GNSS, satellite altimetry, and Formosat-3/COSMIC data. GPS Solutions, 2018, 22, 1. | 2.2 | 35 |
| 117 | Analysis of Ionospheric Anomalous Disturbance During a Heavy Rainfall. Lecture Notes in Electrical Engineering, 2018, , 233-242. | 0.3 | 0 |
| 118 | A Troposphere Tomography Method by Combining the Truncation Coefficient and Variance Component Analysis. Lecture Notes in Electrical Engineering, 2018, , 3-16. | 0.3 | 0 |
| 119 | A novel, optimized approach of voxel division for water vapor tomography. Meteorology and Atmospheric Physics, 2017, 129, 57-70. | 0.9 | 26 |
| 120 | Modeling the plasmasphere based on LEO satellites onboard GPS measurements. Journal of Geophysical Research: Space Physics, 2017, 122, 1221-1233. | 0.8 | 19 |
| 121 | A clear link connecting the troposphere and ionosphere: ionospheric reponses to the 2015 Typhoon Dujuan. Journal of Geodesy, 2017, 91, 1087-1097. | 1.6 | 28 |
| 122 | Contribution of solar radiation and geomagnetic activity to global structure of 27-day variation of ionosphere. Journal of Geodesy, 2017, 91, 1299-1311. | 1.6 | 8 |
| 123 | Method for evaluating real-time GNSS satellite clock offset products. GPS Solutions, 2017, 21, 1417-1425. | 2.2 | 36 |
| 124 | A two-step ionospheric modeling algorithm considering the impact of GLONASS pseudo-range inter-channel biases. Journal of Geodesy, 2017, 91, 1435-1446. | 1.6 | 5 |
| 125 | An Accurate Height Reduction Model for Zenith Tropospheric Delay Correction Using ECMWF Data. Lecture Notes in Electrical Engineering, 2017, , 337-348. | 0.3 | 2 |
| 126 | Enhancing real-time precise point positioning with zenith troposphere delay products and the determination of corresponding tropospheric stochastic models. Geophysical Journal International, 2017, 208, 1217-1230. | 1.0 | 17 |

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| 127 | Global ionosphere maps based on GNSS, satellite altimetry, radio occultation and DORIS. GPS Solutions, 2017, 21, 639-650. | 2.2 | 38 |
| 128 | Establishing a method of short-term rainfall forecasting based on GNSS-derived PWV and its application. Scientific Reports, 2017, 7, 12465. | 1.6 | 100 |
| 129 | GLONASS inter-frequency phase bias rate estimation by single-epoch or Kalman filter algorithm. GPS Solutions, 2017, 21, 1871-1882. | 2.2 | 9 |
| 130 | Transient Variations in Glacial Mass Near Upernavik IsstrÃ¸m (West Greenland) Detected by the Combined Use of GPS and GRACE Data. Journal of Geophysical Research: Solid Earth, 2017, 122, 10,626. | 1.4 | 17 |
| 131 | Improved method to estimate undifferenced satellite fractional cycle biases using network observations to support PPP ambiguity resolution. GPS Solutions, 2017, 21, 1369-1378. | 2.2 | 11 |
| 132 | On the coseismic ionospheric disturbances after the Nepal Mw7.8 earthquake on April 25, 2015 using GNSS observations. Advances in Space Research, 2017, 59, 103-113. | 1.2 | 16 |
| 133 | Bayesian inference for the Errors-In-Variables model. Studia Geophysica Et Geodaetica, 2017, 61, 35-52. | 0.3 | 20 |
| 134 | An improved troposphere tomographic approach considering the signals coming from the side face of the tomographic area. Annales Geophysicae, 2017, 35, 87-95. | 0.6 | 20 |
| 135 | An Improved Tomography Approach Based on Adaptive Smoothing and Ground Meteorological Observations. Remote Sensing, 2017, 9, 886. | 1.8 | 20 |
| 136 | AÂtroposphere tomography method considering the weighting of input information. Annales Geophysicae, 2017, 35, 1327-1340. | 0.6 | 7 |
| 137 | A method to improve the utilization of GNSS observation for water vapor tomography. Annales Geophysicae, 2016, 34, 143-152. | 0.6 | 31 |
| 138 | Potential Seasonal Terrestrial Water Storage Monitoring from GPS Vertical Displacements: A Case Study in the Lower Three-Rivers Headwater Region, China. Sensors, 2016, 16, 1526. | 2.1 | 19 |
| 139 | An improved global zenith tropospheric delay model GZTD2 considering diurnal variations. Nonlinear Processes in Geophysics, 2016, 23, 127-136. | 0.6 | 45 |
| 140 | Large-scale traveling ionospheric disturbances using ionospheric imaging at storm time: A case study on 17 march 2013. Journal of Atmospheric and Solar-Terrestrial Physics, 2016, 145, 12-20. | 0.6 | 9 |
| 141 | The Research on Four-Dimensional Water Vapor Tomography Based on Real-Time PPP Technique. Lecture Notes in Electrical Engineering, 2016, , 3-14. | 0.3 | 1 |
| 142 | A new computerized ionosphere tomography model using the mapping function and an application to the study of seismic-ionosphere disturbance. Journal of Geodesy, 2016, 90, 741-755. | 1.6 | 11 |
| 143 | Maximally Using GPS Observation for Water Vapor Tomography. IEEE Transactions on Geoscience and Remote Sensing, 2016, 54, 7185-7196. | 2.7 | 38 |
| 144 | Analysis of the global ionospheric disturbances of the March 2015 great storm. Journal of Geophysical Research: Space Physics, 2016, 121, 12,157. | 0.8 | 36 |

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| 145 | A method of undifferenced ambiguity resolution for GPS+GLONASS precise point positioning. Scientific Reports, 2016, 6, 26334. | 1.6 | 8 |
| 146 | PPP Sliding Window Algorithm and Its Application in Deformation Monitoring. Scientific Reports, 2016, 6, 26497. | 1.6 | 7 |
| 147 | A global empirical model for estimating zenith tropospheric delay. Science China Earth Sciences, 2016, 59, 118-128. | 2.3 | 9 |
| 148 | Analysis of precipitable water vapor and surface temperature variation over Qinghai-Tibetan Plateau from 1979 to 2014. Chinese Science Bulletin, 2016, 61, 1462-1477. | 0.4 | 8 |
| 149 | Tomographic reconstruction of ionospheric electron density during the storm of 5-6 August 2011 using multi-source data. Scientific Reports, 2015, 5, 13042. | 1.6 | 11 |
| 150 | On total least squares for quadratic form estimation. Studia Geophysica Et Geodaetica, 2015, 59, 366-379. | 0.3 | 16 |
| 151 | Research on global plasmaspheric electron content by using LEO occultation and GPS data. Advances in Space Research, 2015, 55, 2248-2255. | 1.2 | 15 |
| 152 | A New Ionosphere Tomography Algorithm With Two-Grid Virtual Observations Constraints and Three-Dimensional Velocity Profile. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 2373-2383. | 2.7 | 17 |
| 153 | Modeling regional ionospheric delay with ground-based BeiDou and GPS observations in China. GPS Solutions, 2015, 19, 649-658. | 2.2 | 32 |
| 154 | ITG: A New Global GNSS Tropospheric Correction Model. Scientific Reports, 2015, 5, 10273. | 1.6 | 52 |
| 155 | On partial errors-in-variables models with inequality constraints of parameters and variables. Journal of Geodesy, 2015, 89, 111-119. | 1.6 | 27 |
| 156 | A global empirical model for mapping zenith wet delays onto precipitable water vapor using GGOS Atmosphere data. Science China Earth Sciences, 2015, 58, 1361-1369. | 2.3 | 9 |
| 157 | Temporal and Spatial Ionospheric Variations of 20 April 2013 Earthquake in Yaan, China. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 2242-2246. | 1.4 | 15 |
| 158 | GTm-III: a new global empirical model for mapping zenith wet delays onto precipitable water vapour. Geophysical Journal International, 2014, 197, 202-212. | 1.0 | 57 |
| 159 | A New Method to Accelerate PPP Convergence Time by using a Global Zenith Troposphere Delay Estimate Model. Journal of Navigation, 2014, 67, 899-910. | 1.0 | 22 |
| 160 | Improved one/multi-parameter models that consider seasonal and geographic variations for estimating weighted mean temperature in ground-based GPS meteorology. Journal of Geodesy, 2014, 88, 273-282. | 1.6 | 60 |
| 161 | An Improved Iterative Algorithm for 3-D Ionospheric Tomography Reconstruction. IEEE Transactions on Geoscience and Remote Sensing, 2014, 52, 4696-4706. | 2.7 | 40 |
| 162 | Study of the 2013 Lushan M7.0 earthquake coseismic ionospheric disturbances. Advances in Space Research, 2014, 54, 2194-2199. | 1.2 | 4 |

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