Bin Yong

List of Publications by Year
in descending order

117 papers	4,763 citations	108046 37 h-index	120465 65 g-index
121 all docs	121 docs citations	121 times ranked	4637 citing authors

#	Article	IF	Citations
1	A Novel Real-Time Error Adjustment Method With Considering Four Factors for Correcting Hourly Multi-Satellite Precipitation Estimates. IEEE Transactions on Geoscience and Remote Sensing, 2022, 60, 1-11.	2.7	2
2	Assessment of point-mass solutions for recovering water mass variations from satellite gravimetry. Acta Geodaetica Et Geophysica, 2022, 57, 85-106.	0.7	2
3	From TRMM to GPM, how do improvements of post/near-real-time satellite precipitation estimates manifest?. Atmospheric Research, 2022, 268, 106029.	1.8	12
4	Spatial and temporal analysis of the increasing effects of large-scale infrastructure construction on the surface urban heat island. Ecotoxicology and Environmental Safety, 2022, 237, 113521.	2.9	5
5	Integration of Artificial Neural Network and the Optimal GNSS Satellites' Configuration for Improving GNSS Positioning Techniques (A Case Study in Egypt). Artificial Satellites, 2022, 57, 18-46.	0.7	2
6	An evaluation of CMIP5 precipitation simulations using ground observations over ten river basins in China. Hydrology Research, 2021, 52, 676-698.	1.1	6
7	Assessing the Precision of Total Contributing Area (TCA) Estimated by Flow Direction Algorithms Based on the Analytical Solution of Theoretical TCA on Synthetic Surfaces. Water Resources Research, 2021, 57, e2020WR028546.	1.7	6
8	Real-time bias adjustment for satellite-based precipitation estimates over Mainland China. Journal of Hydrology, 2021, 596, 126133.	2.3	18
9	Global component analysis of errors in three satellite-only global precipitation estimates. Hydrology and Earth System Sciences, 2021, 25, 3087-3104.	1.9	24
10	Comprehensive error analysis of satellite precipitation estimates based on Fengyun-2 and GPM over Chinese mainland. Atmospheric Research, 2021, 263, 105805.	1.8	7
11	Monitoring the super typhoon lekima by GPM-based near-real-time satellite precipitation estimates. Journal of Hydrology, 2021, 603, 126968.	2.3	16
12	Responses of water use efficiency to phenology in typical subtropical forest ecosystems—A case study in Zhejiang Province. Science China Earth Sciences, 2020, 63, 145-156.	2.3	7
13	Comparison analysis of six purely satellite-derived global precipitation estimates. Journal of Hydrology, 2020, 581, 124376.	2.3	65
14	Introducing an Improved GRACE Global Point-Mass Solution—A Case Study in Antarctica. Remote Sensing, 2020, 12, 3197.	1.8	13
15	Spectral-Similarity-Based Kernel of SVM for Hyperspectral Image Classification. Remote Sensing, 2020, 12, 2154.	1.8	27
16	Recent global performance of the Climate Hazards group Infrared Precipitation (CHIRP) with Stations (CHIRPS). Journal of Hydrology, 2020, 591, 125284.	2.3	54
17	Quasi-Global Evaluation of IMERG and GSMaP Precipitation Products over Land Using Gauge Observations. Water (Switzerland), 2020, 12, 243.	1.2	22
18	A Preliminary Assessment of the Gauge-Adjusted Near-Real-Time GSMaP Precipitation Estimate over Mainland China. Remote Sensing, 2020, 12, 141.	1.8	27

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19	Co-association of Two nir Denitrifiers Under the Influence of Emergent Macrophytes. Microbial Ecology, 2020, 80, 809-821.	1.4	13
20	Characterization of the hydro-geological regime of Yangtze River basin using remotely-sensed and modeled products. Science of the Total Environment, 2020, 718, 137354.	3.9	41
21	Evaluating the area and position accuracy of surface water paths obtained by flow direction algorithms. Journal of Hydrology, 2020, 583, 124619.	2.3	14
22	Investigating the Evaluation Uncertainty for Satellite Precipitation Estimates Based on Two Different Ground Precipitation Observation Products. Journal of Hydrometeorology, 2020, 21, 2595-2606.	0.7	13
23	On the mechanisms of two composite methods for construction of multivariate drought indices. Science of the Total Environment, 2019, 647, 981-991.	3.9	40
24	Minimum Spanning Tree Co-registration Approach for Time-Series Sentinel-1 TOPS Data. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3004-3013.	2.3	18
25	Rainfallâ€"Runoff Processes and Modelling in Regions Characterized by Deficiency in Soil Water Storage. Water (Switzerland), 2019, 11, 1858.	1.2	6
26	A New Uncertainty Measure for Assessing the Uncertainty Existing in Hydrological Simulation. Water (Switzerland), 2019, 11, 812.	1.2	3
27	Major ion chemistry of a representative river in South-central China: Runoff effects and controlling mechanisms. Journal of Hazardous Materials, 2019, 378, 120755.	6.5	14
28	Impact of the crucial geographic and climatic factors on the input source errors of GPM-based global satellite precipitation estimates. Journal of Hydrology, 2019, 575, 1-16.	2.3	45
29	Prospects for Imaging Terrestrial Water Storage in South America Using Daily GPS Observations. Remote Sensing, 2019, 11, 679.	1.8	30
30	Frequency Domain-Based Features for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1417-1421.	1.4	4
31	Understanding the Spatiotemporal Links Between Meteorological and Hydrological Droughts From a Threeâ€Dimensional Perspective. Journal of Geophysical Research D: Atmospheres, 2019, 124, 3090-3109.	1.2	68
32	Grassland production in response to changes in biological metrics over the Tibetan Plateau. Science of the Total Environment, 2019, 666, 641-651.	3.9	11
33	New Methods for the Assessment of Flow Regime Alteration under Climate Change and Human Disturbance. Water (Switzerland), 2019, 11, 2435.	1.2	3
34	Preliminary Evaluation of the HOBO Data Logging Rain Gauge at the Chuzhou Hydrological Experiment Station, China. Advances in Meteorology, 2019, 2019, 1-10.	0.6	3
35	Long-Term Relationships of Ndvi-Based Forest Growth with Climatic Variables Across the North Hemisphere. , 2019, , .		1
36	Understanding the discharge regime of a glacierized alpine catchment in the Tianshan Mountains using an improved HBV-D hydrological model. Global and Planetary Change, 2019, 172, 211-222.	1.6	31

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37	Identifying the source of atmospheric moisture over arid deserts using stable isotopes (^{2}H and ^{18}O) in precipitation. Hydrological Processes, 2018, 32, 436-449.	1.1	24
38	Error features of the hourly GSMaP multi-satellite precipitation estimates over nine major basins of China. Hydrology Research, 2018, 49, 761-779.	1.1	20
39	Identification of dominant interactions between climatic seasonality, catchment characteristics and agricultural activities on Budyko-type equation parameter estimation. Journal of Hydrology, 2018, 556, 585-599.	2.3	57
40	Evaluation and Hydrological Utility of the Latest GPM IMERG V5 and GSMaP V7 Precipitation Products over the Tibetan Plateau. Remote Sensing, 2018, 10, 2022.	1.8	101
41	Estimating monthly evapotranspiration by assimilating remotely sensed water storage data into the extended Budyko framework across different climatic regions. Journal of Hydrology, 2018, 567, 684-695.	2.3	36
42	Hydrologic Evaluation of Six High Resolution Satellite Precipitation Products in Capturing Extreme Precipitation and Streamflow over a Medium-Sized Basin in China. Water (Switzerland), 2018, 10, 25.	1.2	31
43	Tracing the Error Sources of Global Satellite Mapping of Precipitation for GPM (GPM-GSMaP) Over the Tibetan Plateau, China. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2181-2191.	2.3	27
44	Impacts of climate change on flow regime and sequential threats to riverine ecosystem in the source region of the Yellow River. Environmental Earth Sciences, 2018, 77, 1.	1.3	34
45	Global and Regional Remote Sensing Precipitation Estimation, Evaluation, and Applications. Advances in Meteorology, 2018, 2018, 1-2.	0.6	0
46	Hydrological projections of future climate change over the source region of Yellow River and Yangtze River in the Tibetan Plateau: A comprehensive assessment by coupling RegCM4 and VIC model. Hydrological Processes, 2018, 32, 2096-2117.	1.1	38
47	Statistical and hydrological evaluation of the latest Integrated Multi-satellitE Retrievals for GPM (IMERG) over a midlatitude humid basin in South China. Atmospheric Research, 2018, 214, 418-429.	1.8	75
48	Drought monitoring and reliability evaluation of the latest TMPA precipitation data in the Weihe River Basin, Northwest China. Journal of Arid Land, 2017, 9, 256-269.	0.9	21
49	Application of Multitemporal InSAR Covariance and Information Fusion to Robust Road Extraction. IEEE Transactions on Geoscience and Remote Sensing, 2017, 55, 3611-3622.	2.7	19
50	Integrated assessment of the impacts of climate variability and anthropogenic activities on river runoff: a case study in the Hutuo River Basin, China. Hydrology Research, 2017, 48, 416-430.	1.1	26
51	How do the multiple large-scale climate oscillations trigger extreme precipitation?. Global and Planetary Change, 2017, 157, 48-58.	1.6	32
52	Multi-scale validation of GLEAM evapotranspiration products over China via ChinaFLUX ET measurements. International Journal of Remote Sensing, 2017, 38, 5688-5709.	1.3	85
53	Airborne LiDAR Data Filtering Based on Geodesic Transformations of Mathematical Morphology. Remote Sensing, 2017, 9, 1104.	1.8	25
54	Application of the Frequency Spectrum to Spectral Similarity Measures. Remote Sensing, 2016, 8, 344.	1.8	14

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55	Error-Component Analysis of TRMM-Based Multi-Satellite Precipitation Estimates over Mainland China. Remote Sensing, 2016, 8, 440.	1.8	55
56	Similarity and Error Intercomparison of the GPM and Its Predecessor-TRMM Multisatellite Precipitation Analysis Using the Best Available Hourly Gauge Network over the Tibetan Plateau. Remote Sensing, 2016, 8, 569.	1.8	129
57	Using a Kalman Filter to Assimilate TRMM-Based Real-Time Satellite Precipitation Estimates over Jinghe Basin, China. Remote Sensing, 2016, 8, 899.	1.8	6
58	Evaluating Four Multisatellite Precipitation Estimates over the Diaoyu Islands during Typhoon Seasons. Journal of Hydrometeorology, 2016, 17, 1623-1641.	0.7	24
59	Evaluation of latest TMPA and CMORPH precipitation products with independent rain gauge observation networks over high-latitude and low-latitude basins in China. Chinese Geographical Science, 2016, 26, 439-455.	1.2	29
60	The analytical derivation of multiple elasticities of runoff to climate change and catchment characteristics alteration. Journal of Hydrology, 2016, 541, 1042-1056.	2.3	79
61	Comparison of satellite precipitation products for heavy rainfall events in Mishui basin. , 2016, , .		0
62	Statistical and Hydrological Comparisons between TRMM and GPM Level-3 Products over a Midlatitude Basin: Is Day-1 IMERG a Good Successor for TMPA 3B42V7?. Journal of Hydrometeorology, 2016, 17, 121-137.	0.7	206
63	Variational merged of hourly gauge–satellite precipitation in China: Preliminary results. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9897-9915.	1.2	26
64	Road detection from dense lidar data based on local and global information. , 2015, , .		0
65	Impact of Missing Passive Microwave Sensors on Multi-Satellite Precipitation Retrieval Algorithm. Remote Sensing, 2015, 7, 668-683.	1.8	4
66	Comments on "Error Analysis of Satellite Precipitation Products in Mountainous Basins" Journal of Hydrometeorology, 2015, 16, 1443-1444.	0.7	3
67	Deriving scaling factors using a global hydrological model to restore GRACE total water storage changes for China's Yangtze River Basin. Remote Sensing of Environment, 2015, 168, 177-193.	4.6	201
68	Global View Of Real-Time Trmm Multisatellite Precipitation Analysis: Implications For Its Successor Global Precipitation Measurement Mission. Bulletin of the American Meteorological Society, 2015, 96, 283-296.	1.7	205
69	Spatial and temporal variations in hydro-climatic variables and runoff in response to climate change in the Luanhe River basin, China. Stochastic Environmental Research and Risk Assessment, 2015, 29, 1117-1133.	1.9	31
70	Spectral Similarity Measure Using Frequency Spectrum for Hyperspectral Image Classification. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 130-134.	1.4	24
71	Modifying SEBAL Model Based on the Trapezoidal Relationship between Land Surface Temperature and Vegetation Index for Actual Evapotranspiration Estimation. Remote Sensing, 2014, 6, 5909-5937.	1.8	23
72	An Improved Top-Hat Filter with Sloped Brim for Extracting Ground Points from Airborne Lidar Point Clouds. Remote Sensing, 2014, 6, 12885-12908.	1.8	47

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73	Dynamic classifier selection using spectral-spatial information for hyperspectral image classification. Journal of Applied Remote Sensing, 2014, 8, 085095.	0.6	22
74	Intercomparison of the Version-6 and Version-7 TMPA precipitation products over high and low latitudes basins with independent gauge networks: Is the newer version better in both real-time and post-real-time analysis for water resources and hydrologic extremes?. Journal of Hydrology, 2014, 508, 77-87.	2.3	123
75	Changes of reference evapotranspiration in the Haihe River Basin: Present observations and future projection from climatic variables through multi-model ensemble. Global and Planetary Change, 2014, 115, 1-15.	1.6	53
76	The origin of groundwater in Zhangye Basin, northwestern China, using isotopic signature. Hydrogeology Journal, 2014, 22, 411-424.	0.9	13
77	Performance assessment of the successive Version 6 and Version 7 TMPA products over the climate-transitional zone in the southern Great Plains, USA. Journal of Hydrology, 2014, 513, 446-456.	2.3	51
78	Evaluation of three high-resolution satellite precipitation estimates: Potential for monsoon monitoring over Pakistan. Advances in Space Research, 2014, 54, 670-684.	1.2	66
79	Filtering Airborne Lidar Data by Modified White Top-Hat Transform with Directional Edge Constraints. Photogrammetric Engineering and Remote Sensing, 2014, 80, 133-141.	0.3	22
80	Characterizing the changing behaviours of precipitation concentration in the Yangtze River Basin, China. Hydrological Processes, 2013, 27, 3375-3393.	1.1	79
81	Estimation of Daily Actual Evapotranspiration from ETM+ and MODIS Data of the Headwaters of the West Liaohe Basin in the Semiarid Regions of China. Journal of Hydrologic Engineering - ASCE, 2013, 18, 1530-1538.	0.8	5
82	Changes in reference evapotranspiration across the Tibetan Plateau: Observations and future projections based on statistical downscaling. Journal of Geophysical Research D: Atmospheres, 2013, 118, 4049-4068.	1.2	88
83	Evaluation of the successive V6 and V7 TRMM multisatellite precipitation analysis over the Continental United States. Water Resources Research, 2013, 49, 8174-8186.	1.7	122
84	Assimilation of Passive Microwave Streamflow Signals for Improving Flood Forecasting: A First Study in Cubango River Basin, Africa. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2013, 6, 2375-2390.	2.3	24
85	Shifted SSOR preconditioning technique for improved electric field integral equations. Microwave and Optical Technology Letters, 2013, 55, 304-308.	0.9	2
86	Climatological Drought Analyses and Projection Using SPI and PDSI: Case Study of the Arkansas Red River Basin. Journal of Hydrologic Engineering - ASCE, 2013, 18, 809-816.	0.8	20
87	Spatialâ€"Temporal Changes of Water Resources in a Typical Semiarid Basin of North China over the Past 50 Years and Assessment of Possible Natural and Socioeconomic Causes. Journal of Hydrometeorology, 2013, 14, 1009-1034.	0.7	28
88	Incorporating NASA Spaceborne Radar Data into NOAA National Mosaic QPE System for Improved Precipitation Measurement: A Physically Based VPR Identification and Enhancement Method. Journal of Hydrometeorology, 2013, 14, 1293-1307.	0.7	22
89	First evaluation of the climatological calibration algorithm in the realâ€time TMPA precipitation estimates over two basins at high and low latitudes. Water Resources Research, 2013, 49, 2461-2472.	1.7	47
90	Similarity and difference of the two successive V6 and V7 TRMM multisatellite precipitation analysis performance over China. Journal of Geophysical Research D: Atmospheres, 2013, 118, 13,060.	1.2	177

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91	Understanding the Changing Characteristics of Droughts in Sudan and the Corresponding Components of the Hydrologic Cycle. Journal of Hydrometeorology, 2012, 13, 1520-1535.	0.7	18
92	A novel multiple flow direction algorithm for computing the topographic wetness index. Hydrology Research, 2012, 43, 135-145.	1.1	18
93	Impacts of land use and land cover changes on evapotranspiration and runoff at Shalamulun River watershed, China. Hydrology Research, 2012, 43, 23-37.	1.1	46
94	Microwave Satellite Data for Hydrologic Modeling in Ungauged Basins. IEEE Geoscience and Remote Sensing Letters, 2012, 9, 663-667.	1.4	44
95	Assessment of evolving TRMMâ€based multisatellite realâ€time precipitation estimation methods and their impacts on hydrologic prediction in a high latitude basin. Journal of Geophysical Research, 2012, 117, .	3.3	135
96	Reference evapotranspiration change and the causes across the Yellow River Basin during 1957â€"2008 and their spatial and seasonal differences. Water Resources Research, 2012, 48, .	1.7	110
97	Analyzing the effects of climate variability and human activities on runoff from the Laohahe basin in northern China. Hydrology Research, 2012, 43, 3-13.	1.1	39
98	Analyzing projected changes and trends of temperature and precipitation in the southern USA from 16 downscaled global climate models. Theoretical and Applied Climatology, 2012, 109, 345-360.	1.3	33
99	Hydro-Climatological Drought Analyses and Projections Using Meteorological and Hydrological Drought Indices: A Case Study in Blue River Basin, Oklahoma. Water Resources Management, 2012, 26, 2761-2779.	1.9	88
100	Comprehensive evaluation of multi-satellite precipitation products with a dense rain gauge network and optimally merging their simulated hydrological flows using the Bayesian model averaging method. Journal of Hydrology, 2012, 452-453, 213-225.	2.3	221
101	Evaluating the non-stationary relationship between precipitation and streamflow in nine major basins of China during the past 50 years. Journal of Hydrology, 2011, 409, 81-93.	2.3	118
102	Spatial and temporal characteristics of changes in precipitation during 1957â€"2007 in the Haihe River basin, China. Stochastic Environmental Research and Risk Assessment, 2011, 25, 881-895.	1.9	56
103	Quantifying the effects of climate variability and human activities on runoff from the Laohahe basin in northern China using three different methods. Hydrological Processes, 2011, 25, 2492-2505.	1.1	144
104	Hydrologic evaluation of Multisatellite Precipitation Analysis standard precipitation products in basins beyond its inclined latitude band: A case study in Laohahe basin, China. Water Resources Research, 2010, 46, .	1.7	234
105	A Clustering Algorithm for Datasets with Different Densities. , 2009, , .		2
106	Spatial statistical properties and scale transform analyses on the topographic index derived from DEMs in China. Computers and Geosciences, 2009, 35, 592-602.	2.0	10
107	Wetland Survey in the Area of Poyang Lake Nature Reserves by High Resolution Image. , 2009, , .		1
108	Development of a Largeâ€Scale Hydrological Model TOPX and Its Coupling with Regional Integrated Environment Modeling System RIEMS. Chinese Journal of Geophysics, 2009, 52, 762-771.	0.2	5

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109	The Impact of Land Use Change on Hydrological Cycle at a Semiarid Headwater Catchment in North China. , 2008, , .		2
110	Remote Sensing-Based Land Use and Land Cover Change in Shalamulun Catchment. , 2008, , .		1
111	A two-parameter exponential function approach to simply and accurately characterize spatial regime of topographic index for land-surface parameterizations. , 2007, , .		1
112	Analysis of thermal environment and urban heat island using remotely sensed imagery over the north and south slope of the Qinling Mountain, China. , 2007, , .		1
113	A study on the spatial scaling properties of topographic index for China. , 2007, , .		0
114	Error analysis of multi-satellite precipitation estimates with an independent raingauge observation network over a medium-sized humid basin. Hydrological Sciences Journal, 0, , 1-18.	1.2	29
115	Missing water from the Qiangtang Basin on the Tibetan Plateau. Geology, 0, , .	2.0	7
116	An improved D8â€ŁTD for the extraction of total contributing area (TCA) by adopting the strategies of path independency and local dispersion. Water Resources Research, 0, , .	1.7	1
117	Boosted Regression Tree Algorithm for the Reconstruction of GRACE-Based Terrestrial Water Storage Anomalies in the Yangtze River Basin. Frontiers in Environmental Science, 0, 10, .	1.5	5