Xiaogang He

List of Publications by Year in descending order

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233 papers	19,781 citations	16451 64 h-index	11939 134 g-index
245 all docs	245 docs citations	245 times ranked	14344 citing authors

#	Article	IF	Citations
1	A hybrid framework for forecasting monthly reservoir inflow based on machine learning techniques with dynamic climate forecasts, satellite-based data, and climate phenomenon information. Stochastic Environmental Research and Risk Assessment, 2022, 36, 2353-2375.	4.0	17
2	Complex climate and network effects on internal migration in South Africa revealed by a network model. Population and Environment, 2022, 43, 289-318.	3.0	5
3	Climate Rather Than Vegetation Changes Dominate Changes in Effective Vegetation Available Water Capacity. Water Resources Research, 2022, 58, .	4.2	11
4	A novel big data mining framework for reconstructing large-scale daily MAIAC AOD data across China from 2000 to 2020. GIScience and Remote Sensing, 2022, 59, 670-685.	5.9	6
5	The conterminous United States are projected to become more prone to flash floods in a high-end emissions scenario. Communications Earth & Environment, 2022, 3, .	6.8	17
6	Effective multi-satellite precipitation fusion procedure conditioned by gauge background fields over the Chinese mainland. Journal of Hydrology, 2022, 610, 127783.	5.4	9
7	Revegetation Does Not Decrease Water Yield in the Loess Plateau of China. Geophysical Research Letters, 2022, 49, .	4.0	42
8	Future bioenergy expansion could alter carbon sequestration potential and exacerbate water stress in the United States. Science Advances, 2022, 8, eabm8237.	10.3	11
9	Quantitative Stress Test of Compound Coastalâ€Fluvial Floods in China's Pearl River Delta. Earth's Future, 2022, 10, .	6.3	15
10	Evaluating applicability of multi-source precipitation datasets for runoff simulation of small watersheds: a case study in the United States. European Journal of Remote Sensing, 2021, 54, 372-382.	3.5	7
11	A Copula-Based Multivariate Probability Analysis for Flash Flood Risk under the Compound Effect of Soil Moisture and Rainfall. Water Resources Management, 2021, 35, 83-98.	3.9	17
12	Observed trends of different rainfall intensities and the associated spatiotemporal variations during 1958â€“2016 in <scp>Guangxi</scp>, <scp>China</scp>. International Journal of Climatology, 2021, 41, E2880.	3.5	12
13	Development of a new rainfallâ€triggering index of flash flood warningâ€case study in Yunnan province, China. Journal of Flood Risk Management, 2021, 14, e12676.	3.3	5
14	Evaluation of the ERA5 reanalysis precipitation dataset over Chinese Mainland. Journal of Hydrology, 2021, 595, 125660.	5.4	185
15	Advancing Satellite Precipitation Retrievals With Data Driven Approaches: Is Black Box Model Explainable?. Earth and Space Science, 2021, 8, e2020EA001423.	2.6	14
16	Two-decades of GPM IMERG early and final run products intercomparison: Similarity and difference in climatology, rates, and extremes. Journal of Hydrology, 2021, 594, 125975.	5.4	22
17	Acceleration of western Arctic sea ice loss linked to the Pacific North American pattern. Nature Communications, 2021, 12, 1519.	12.8	27
18	Validation of the Community Land Model Version 5 Over the Contiguous United States (CONUS) Using In Situ and Remote Sensing Data Sets. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2020JD033539.	3.3	19

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19	Historical Water Storage Changes Over China's Loess Plateau. Water Resources Research, 2021, 57, e2020WR028661.	4.2	35
20	Climate-informed hydrologic modeling and policy typology to guide managed aquifer recharge. Science Advances, 2021, 7, .	10.3	24
21	A comprehensive flood inundation mapping for Hurricane Harvey using an integrated hydrological and hydraulic model. Journal of Hydrometeorology, 2021, , .	1.9	8
22	Estimation of Crop Water Requirement Based on Planting Structure Extraction from Multi-Temporal MODIS EVI. Water Resources Management, 2021, 35, 2231-2247.	3.9	10
23	An interpretable self-adaptive deep neural network for estimating daily spatially-continuous PM2.5 concentrations across China. Science of the Total Environment, 2021, 768, 144724.	8.0	30
24	CREST-iMAP v1.0: A fully coupled hydrologic-hydraulic modeling framework dedicated to flood inundation mapping and prediction. Environmental Modelling and Software, 2021, 141, 105051.	4.5	22
25	Global Reach-Level 3-Hourly River Flood Reanalysis (1980â€“2019). Bulletin of the American Meteorological Society, 2021, 102, E2086-E2105.	3.3	25
26	Monitoring Drought through the Lens of Landsat: Drying of Rivers during the California Droughts. Remote Sensing, 2021, 13, 3423.	4.0	3
27	A comparative study of extensive machine learning models for predicting longâ€term monthly rainfall with an ensemble of climatic and meteorological predictors. Hydrological Processes, 2021, 35, e14424.	2.6	17
28	First Assessment of CyGNSS-Incorporated SMAP Sea Surface Salinity Retrieval Over Pan-Tropical Ocean. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2021, 14, 12163-12173.	4.9	5
29	Heterogeneous parallel computing accelerated generalized likelihood uncertainty estimation (GLUE) method for fast hydrological model uncertainty analysis purpose. Engineering With Computers, 2020, 36, 75-96.	6.1	14
30	An updated moving window algorithm for hourly-scale satellite precipitation downscaling: A case study in the Southeast Coast of China. Journal of Hydrology, 2020, 581, 124378.	5.4	34
31	Comparison analysis of six purely satellite-derived global precipitation estimates. Journal of Hydrology, 2020, 581, 124376.	5.4	65
32	Using the Apriori Algorithm and Copula Function for the Bivariate Analysis of Flash Flood Risk. Water (Switzerland), 2020, 12, 2223.	2.7	7
33	Spatiotemporal Analysis of Land Use and Land Cover (LULC) Changes and Precipitation Trends in Shanghai. Applied Sciences (Switzerland), 2020, 10, 7897.	2.5	6
34	Evaluating the effects of downscaled climate projections on groundwater storage and simulated base-flow contribution to the North Fork Red River and Lake Altus, southwest Oklahoma (USA). Hydrogeology Journal, 2020, 28, 2903-2916.	2.1	2
35	Lagged Compound Occurrence of Droughts and Pluvials Globally Over the Past Seven Decades. Geophysical Research Letters, 2020, 47, e2020GL087924.	4.0	84
36	Cross-Examination of Similarity, Difference and Deficiency of Gauge, Radar and Satellite Precipitation Measuring Uncertainties for Extreme Events Using Conventional Metrics and Multiplicative Triple Collocation. Remote Sensing, 2020, 12, 1258.	4.0	33

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37	Identification of uncertainty sources in quasi-global discharge and inundation simulations using satellite-based precipitation products. Journal of Hydrology, 2020, 589, 125180.	5.4	9
38	The Optimal Multimodel Ensemble of Bias-Corrected CMIP5 Climate Models over China. Journal of Hydrometeorology, 2020, 21, 845-863.	1.9	19
39	Can Remote Sensing Technologies Capture the Extreme Precipitation Event and Its Cascading Hydrological Response? A Case Study of Hurricane Harvey Using EF5 Modeling Framework. Remote Sensing, 2020, 12, 445.	4.0	23
40	A Framework to Evaluate Community Resilience to Urban Floods: A Case Study in Three Communities. Sustainability, 2020, 12, 1521.	3.2	35
41	Have satellite precipitation products improved over last two decades? A comprehensive comparison of GPM IMERG with nine satellite and reanalysis datasets. Remote Sensing of Environment, 2020, 240, 111697.	11.0	330
42	Satellite-Based Operational Real-Time Drought Monitoring in the Transboundary Lancangâ€“Mekong River Basin. Remote Sensing, 2020, 12, 376.	4.0	11
43	A Global Drought and Flood Catalogue from 1950 to 2016. Bulletin of the American Meteorological Society, 2020, 101, E508-E535.	3.3	98
44	Contrasting Influences of Human Activities on Hydrological Drought Regimes Over China Based on Highâ€Resolution Simulations. Water Resources Research, 2020, 56, e2019WR025843.	4.2	62
45	Projected Seasonal Changes in Large-Scale Global Precipitation and Temperature Extremes Based on the CMIP5 Ensemble. Journal of Climate, 2020, 33, 5651-5671.	3.2	39
46	Global Evaluation of Seasonal Precipitation and Temperature Forecasts from NMME. Journal of Hydrometeorology, 2020, 21, 2473-2486.	1.9	15
47	Investigating the Evaluation Uncertainty for Satellite Precipitation Estimates Based on Two Different Ground Precipitation Observation Products. Journal of Hydrometeorology, 2020, 21, 2595-2606.	1.9	13
48	Water security implications of coal-fired power plants financed through China's Belt and Road Initiative. Energy Policy, 2019, 132, 1101-1109.	8.8	53
49	Improving CHIRPS Daily Satellite-Precipitation Products Using Coarser Ground Observations. IEEE Geoscience and Remote Sensing Letters, 2019, 16, 1678-1682.	3.1	10
50	Climate change leads to a doubling of turbidity in a rapidly expanding Tibetan lake. Science of the Total Environment, 2019, 688, 952-959.	8.0	24
51	Heatwave Trends and the Population Exposure Over China in the 21st Century as Well as Under 1.5 Â°C and 2.0 Â°C Global Warmer Future Scenarios. Sustainability, 2019, 11, 3318.	3.2	19
52	Integrated approaches to understanding and reducing drought impact on food security across scales. Current Opinion in Environmental Sustainability, 2019, 40, 43-54.	6.3	63
53	Annual precipitation and daily extreme precipitation distribution: possible trends from 1960 to 2010 in urban areas of China. Geomatics, Natural Hazards and Risk, 2019, 10, 1694-1711.	4.3	19
54	Solar and wind energy enhances drought resilience and groundwater sustainability. Nature Communications, 2019, 10, 4893.	12.8	39

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55	In Quest of Calibration Density and Consistency in Hydrologic Modeling: Distributed Parameter Calibration against Streamflow Characteristics. Water Resources Research, 2019, 55, 7784-7803.	4.2	44
56	Performance of multi-level association rule mining for the relationship between causal factor patterns and flash flood magnitudes in a humid area. Geomatics, Natural Hazards and Risk, 2019, 10, 1967-1987.	4.3	13
57	Editorial for Special Issue â€œRemote Sensing Water Cycle: Theory, Sensors, Data, and Applicationsâ€• Remote Sensing, 2019, 11, 1210.	4.0	2
58	A Methodology to Monitor Urban Expansion and Green Space Change Using a Time Series of Multi-Sensor SPOT and Sentinel-2A Images. Remote Sensing, 2019, 11, 1230.	4.0	41
59	Wavelet-Nonlinear Cointegration Prediction of Irrigation Water in the Irrigation District. Water Resources Management, 2019, 33, 2941-2954.	3.9	8
60	Fuzzy Risk Assessment of Flash Floods Using a Cloud-Based Information Diffusion Approach. Water Resources Management, 2019, 33, 2537-2553.	3.9	8
61	Evaluating three satellite-based precipitation products of different spatial resolutions in Shanghai based on upscaling of rain gauge. International Journal of Remote Sensing, 2019, 40, 5875-5891.	2.9	9
62	Evaluation of Groundwater Simulations in Benin from the ALMIP2 Project. Journal of Hydrometeorology, 2019, 20, 339-354.	1.9	2
63	Drought Trend Analysis Based on the Standardized Precipitationâ€“Evapotranspiration Index Using NASAâ€™s Earth Exchange Global Daily Downscaled Projections, High Spatial Resolution Coupled Model Intercomparison Project Phase 5 Projections, and Assessment of Potential Impacts on Chinaâ€™s Crop Yield in the 21st Century. Water (Switzerland), 2019, 11, 2455.	2.7	5
64	From sustainable drinking water to tsunami hazards: modelling water science for impact. Journal of Integrative Environmental Sciences, 2019, 16, 157-161.	2.5	0
65	Corrections to â€œRecognizing Global Reservoirs From Landsat 8 Images: A Deep Learning Approachâ€•[Sep 19 3168-3177]. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2019, 12, 3701-3701.	4.9	1
66	Future increases in irrigation water requirement challenge the water-food nexus in the northeast farming region of China. Agricultural Water Management, 2019, 213, 594-604.	5.6	46
67	Computer Aided Numerical Methods for Hydrological Model Calibration: An Overview and Recent Development. Archives of Computational Methods in Engineering, 2019, 26, 35-59.	10.2	35
68	A comprehensive flash flood defense system in China: overview, achievements, and outlook. Natural Hazards, 2018, 92, 727-740.	3.4	26
69	Accounting for spatiotemporal errors of gauges: A critical step to evaluate gridded precipitation products. Journal of Hydrology, 2018, 559, 294-306.	5.4	112
70	Climatology of snow phenology over the Tibetan plateau for the period 2001â€“2014 using multisource data. International Journal of Climatology, 2018, 38, 2718-2729.	3.5	15
71	Documentation of multifactorial relationships between precipitation and topography of the Tibetan Plateau using spaceborne precipitation radars. Remote Sensing of Environment, 2018, 208, 82-96.	11.0	68
72	Probabilistic precipitation rate estimates with spaceâ€based infrared sensors. Quarterly Journal of the Royal Meteorological Society, 2018, 144, 191-205.	2.7	29

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73	Investigation of inducements and defenses of flash floods and urban waterlogging in Fuzhou, China, from 1950 to 2010. Natural Hazards, 2018, 91, 803-818.	3.4	23
74	Fast hydrological model calibration based on the heterogeneous parallel computing accelerated shuffled complex evolution method. Engineering Optimization, 2018, 50, 106-119.	2.6	18
75	A novel hybrid data-driven model for multi-input single-output system simulation. Neural Computing and Applications, 2018, 29, 577-593.	5.6	9
76	Analysis of flash flood disaster characteristics in China from 2011 to 2015. Natural Hazards, 2018, 90, 407-420.	3.4	92
77	Comprehensive evaluation of Ensemble Multi-Satellite Precipitation Dataset using the Dynamic Bayesian Model Averaging scheme over the Tibetan plateau. Journal of Hydrology, 2018, 556, 634-644.	5.4	71
78	Performance of Optimally Merged Multisatellite Precipitation Products Using the Dynamic Bayesian Model Averaging Scheme Over the Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2018, 123, 814-834.	3.3	111
79	Spatiotemporal Assessment of Induced Seismicity in Oklahoma: Foreseeable Fewer Earthquakes for Sustainable Oil and Gas Extraction?. Geosciences (Switzerland), 2018, 8, 436.	2.2	2
80	Industrial Water Pollution Discharge Taxes in China: A Multi-Sector Dynamic Analysis. Water (Switzerland), 2018, 10, 1742.	2.7	12
81	Global water cycle and remote sensing big data: overview, challenge, and opportunities. Big Earth Data, 2018, 2, 282-297.	4.4	25
82	Study on the Applicability of the Hargreaves Potential Evapotranspiration Estimation Method in CREST Distributed Hydrological Model (Version 3.0) Applications. Water (Switzerland), 2018, 10, 1882.	2.7	18
83	Exploring Deep Neural Networks to Retrieve Rain and Snow in High Latitudes Using Multisensor and Reanalysis Data. Water Resources Research, 2018, 54, 8253-8278.	4.2	59
84	Downscaling of ERA-Interim Temperature in the Contiguous United States and Its Implications for Rainâ€“Snow Partitioning. Journal of Hydrometeorology, 2018, 19, 1215-1233.	1.9	11
85	Global intercomparison and regional evaluation of GPM IMERG Version-03, Version-04 and its latest Version-05 precipitation products: Similarity, difference and improvements. Journal of Hydrology, 2018, 564, 342-356.	5.4	75
86	Investigation of SMAP Activeâ€“Passive Downscaling Algorithms Using Combined Sentinel-1 SAR and SMAP Radiometer Data. IEEE Transactions on Geoscience and Remote Sensing, 2018, 56, 4906-4918.	6.3	26
87	An Efficient and Effective Approach for Georeferencing AVHRR and GaoFen-1 Imageries Using Inland Water Bodies. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2018, 11, 2491-2500.	4.9	11
88	A systematic assessment and reduction of parametric uncertainties for a distributed hydrological model. Journal of Hydrology, 2018, 564, 697-711.	5.4	28
89	Can Satellite Precipitation Products Estimate Probable Maximum Precipitation: A Comparative Investigation with Gauge Data in the Dadu River Basin. Remote Sensing, 2018, 10, 41.	4.0	20
90	Characterizing the Flash Flooding Risks from 2011 to 2016 over China. Water (Switzerland), 2018, 10, 704.	2.7	18

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91	A New Approach to Modeling Water Balance in Nile River Basin, Africa. Sustainability, 2018, 10, 810.	3.2	12
92	Intensification of hydrological drought in California by human water management. Geophysical Research Letters, 2017, 44, 1777-1785.	4.0	99
93	Modeling Surface Runoff and Water Fluxes over Contrasted Soils in the Pastoral Sahel: Evaluation of the ALMIP2 Land Surface Models over the Gourma Region in Mali. Journal of Hydrometeorology, 2017, 18, 1847-1866.	1.9	15
94	Evaluation of MRMS Snowfall Products over the Western United States. Journal of Hydrometeorology, 2017, 18, 1707-1713.	1.9	10
95	Improved modeling of snow and glacier melting by a progressive twoâ€stage calibration strategy with <scp>GRACE</scp> and multisource data: How snow and glacier meltwater contributes to the runoff of the <scp>U</scp>pper <scp>B</scp>rahmaputra <scp>R</scp>iver basin?. Water Resources Research, 2017, 53, 2431-2466.	4.2	163
96	Development of an NRCS curve number global dataset using the latest geospatial remote sensing data for worldwide hydrologic applications. Remote Sensing Letters, 2017, 8, 528-536.	1.4	45
97	Analysis of Precipitation Projections over the Climate Gradient of the Arkansas Red River Basin. Journal of Applied Meteorology and Climatology, 2017, 56, 1325-1336.	1.5	13
98	Streamflows over a West African Basin from the ALMIP2 Model Ensemble. Journal of Hydrometeorology, 2017, 18, 1831-1845.	1.9	13
99	Similarities and differences between three coexisting spaceborne radars in global rainfall and snowfall estimation. Water Resources Research, 2017, 53, 3835-3853.	4.2	42
100	Usage of Existing Meteorological Data Networks for Parameterized Road Ice Formation Modeling. Journal of Applied Meteorology and Climatology, 2017, 56, 1959-1976.	1.5	12
101	Using BDS SNR Observations to Measure Near-Surface Soil Moisture Fluctuations: Results From Low Vegetated Surface. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1308-1312.	3.1	25
102	Uncertainty analysis of radar rainfall estimates over two different climates in Iran. International Journal of Remote Sensing, 2017, 38, 5106-5126.	2.9	8
103	Can Near-Real-Time Satellite Precipitation Products Capture Rainstorms and Guide Flood Warning for the 2016 Summer in South China?. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1208-1212.	3.1	35
104	Spatio-temporal analysis and simulation on shallow rainfall-induced landslides in China using landslide susceptibility dynamics and rainfall I-D thresholds. Science China Earth Sciences, 2017, 60, 720-732.	5.2	33
105	Forecasting the Hydroclimatic Signature of the 2015/16 El NiÃ±o Event on the Western United States. Journal of Hydrometeorology, 2017, 18, 177-186.	1.9	26
106	Combined Space and Ground Radars for Improving Quantitative Precipitation Estimations in the Eastern Downstream Region of the Tibetan Plateau. Part I: Variability in the Vertical Structure of Precipitation in ChuanYu Analyzed from Long-Term Spaceborne Observations by TRMM PR. Journal of Applied Meteorology and Climatology, 2017, 56, 2259-2274.	1.5	4
107	A comprehensive data set of lake surface water temperature over the Tibetan Plateau derived from MODIS LST products 2001â€“2015. Scientific Data, 2017, 4, 170095.	5.3	71
108	An Extension of the Alpha Approximation Method for Soil Moisture Estimation Using Time-Series SAR Data Over Bare Soil Surfaces. IEEE Geoscience and Remote Sensing Letters, 2017, 14, 1328-1332.	3.1	20

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109	The FLASH Project: Improving the Tools for Flash Flood Monitoring and Prediction across the United States. Bulletin of the American Meteorological Society, 2017, 98, 361-372.	3.3	126
110	Statistical assessment and hydrological utility of the latest multi-satellite precipitation analysis IMERG in Ganjiang River basin. Atmospheric Research, 2017, 183, 212-223.	4.1	88
111	Mapping Flash Flood Severity in the United States. Journal of Hydrometeorology, 2017, 18, 397-411.	1.9	78
112	Observed radiative cooling over the Tibetan Plateau for the past three decades driven by snow coverâ€induced surface albedo anomaly. Journal of Geophysical Research D: Atmospheres, 2017, 122, 6170-6185.	3.3	34
113	Hydrology in a Coupled Humanâ€“Natural System: Research, Innovation, and Practices. Bulletin of the American Meteorological Society, 2017, 98, ES295-ES298.	3.3	5
114	Similarities and Improvements of GPM Dual-Frequency Precipitation Radar (DPR) upon TRMM Precipitation Radar (PR) in Global Precipitation Rate Estimation, Type Classification and Vertical Profiling. Remote Sensing, 2017, 9, 1142.	4.0	37
115	Error analysis of ensemble multi-satellite precipitation datasets over the Tibetan Plateau. , 2017, , .		1
116	Study on Applicability of Conceptual Hydrological Models for Flood Forecasting in Humid, Semi-Humid Semi-Arid and Arid Basins in China. Water (Switzerland), 2017, 9, 719.	2.7	31
117	Effects of 4D-Var Data Assimilation Using Remote Sensing Precipitation Products in a WRF Model over the Complex Terrain of an Arid Region River Basin. Remote Sensing, 2017, 9, 963.	4.0	17
118	A heterogeneous computing accelerated SCE-UA global optimization method using OpenMP, OpenCL, CUDA, and OpenACC. Water Science and Technology, 2017, 76, 1640-1651.	2.5	14
119	Multiple Constraints Based Robust Matching of Poor-Texture Close-Range Images for Monitoring a Simulated Landslide. Remote Sensing, 2016, 8, 396.	4.0	5
120	Error-Component Analysis of TRMM-Based Multi-Satellite Precipitation Estimates over Mainland China. Remote Sensing, 2016, 8, 440.	4.0	55
121	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.	4.0	129
122	A public Cloud-based Chinaâ€™s Landslide Inventory Database (CsLID): development, zone, and spatiotemporal analysis for significant historical events, 1949-2011. Journal of Mountain Science, 2016, 13, 1275-1285.	2.0	13
123	Evaluating Four Multisatellite Precipitation Estimates over the Diaoyu Islands during Typhoon Seasons. Journal of Hydrometeorology, 2016, 17, 1623-1641.	1.9	24
124	Have GRACE satellites overestimated groundwater depletion in the Northwest India Aquifer?. Scientific Reports, 2016, 6, 24398.	3.3	202
125	Responses of land evapotranspiration to Earthâ€™s greening in CMIP5 Earth System Models. Environmental Research Letters, 2016, 11, 104006.	5.2	46
126	Systematic Anomalies Over Inland Water Bodies of High Mountain Asia in TRMM Precipitation Estimates: No Longer a Problem for the GPM Era?. IEEE Geoscience and Remote Sensing Letters, 2016, 13, 1762-1766.	3.1	36

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127	Spatial downscaling of precipitation using adaptable random forests. Water Resources Research, 2016, 52, 8217-8237.	4.2	152
128	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.	3.0	29
129	A cascading flash flood guidance system: development and application in Yunnan Province, China. Natural Hazards, 2016, 84, 2071-2093.	3.4	22
130	Multiregional Satellite Precipitation Products Evaluation over Complex Terrain. Journal of Hydrometeorology, 2016, 17, 1817-1836.	1.9	123
131	Development of a coupled hydrological-geotechnical framework for rainfall-induced landslides prediction. Journal of Hydrology, 2016, 543, 395-405.	5.4	46
132	A lake data set for the Tibetan Plateau from the 1960s, 2005, and 2014. Scientific Data, 2016, 3, 160039.	5.3	100
133	Coupled patterns between the surface chlorophyll-a and the physical factors in the Pacific Ocean. , 2016, , .		0
134	Evaluation of the FY-3B/MWRI soil moisture product on the central Tibetan Plateau. , 2016, , .		2
135	Rainstorm-induced shallow landslides process and evaluation â€“ a case study from three hot spots, China. Geomatics, Natural Hazards and Risk, 2016, 7, 1908-1918.	4.3	16
136	Early assessment of Integrated Multi-satellite Retrievals for Global Precipitation Measurement over China. Atmospheric Research, 2016, 176-177, 121-133.	4.1	186
137	Comparison of satellite-estimated and model-forecasted rainfall data during a deadly debris-flow event in Zhouqu, Northwest China. Atmospheric and Oceanic Science Letters, 2016, 9, 139-145.	1.3	10
138	Comprehensive evaluation of four high-resolution satellite precipitation products under diverse climate conditions in Iran. Hydrological Sciences Journal, 2016, 61, 420-440.	2.6	88
139	Evaluation of a Method to Enhance Real-Time, Ground Radarâ€“Based Rainfall Estimates Using Climatological Profiles of Reflectivity from Space. Journal of Hydrometeorology, 2016, 17, 761-775.	1.9	14
140	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.	1.9	206
141	Using Citizen Science Reports to Evaluate Estimates of Surface Precipitation Type. Bulletin of the American Meteorological Society, 2016, 97, 187-193.	3.3	15
142	Evaluation of GPM Day-1 IMERG and TMPA Version-7 legacy products over Mainland China at multiple spatiotemporal scales. Journal of Hydrology, 2016, 533, 152-167.	5.4	425
143	New Multisite Cascading Calibration Approach for Hydrological Models: Case Study in the Red River Basin Using the VIC Model. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	1.9	47
144	Water balanceâ€based actual evapotranspiration reconstruction from ground and satellite observations over the conterminous <scp>U</scp>nited <scp>S</scp>tates. Water Resources Research, 2015, 51, 6485-6499.	4.2	79

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145	Vegetation Greening and Climate Change Promote Multidecadal Rises of Global Land Evapotranspiration. Scientific Reports, 2015, 5, 15956.	3.3	265
146	Variational merged of hourly gaugeâ€satellite precipitation in China: Preliminary results. Journal of Geophysical Research D: Atmospheres, 2015, 120, 9897-9915.	3.3	26
147	Probabilistic precipitation rate estimates with groundâ€based radar networks. Water Resources Research, 2015, 51, 1422-1442.	4.2	82
148	Impact of Missing Passive Microwave Sensors on Multi-Satellite Precipitation Retrieval Algorithm. Remote Sensing, 2015, 7, 668-683.	4.0	4
149	Urban landscape classification using Chinese advanced high-resolution satellite imagery and an object-oriented multi-variable model. Frontiers of Information Technology and Electronic Engineering, 2015, 16, 238-248.	2.6	7
150	Development of GIS-based FFPI for China's flash flood forecasting. , 2015, , .		2
151	Eco-environmental vulnerability assessment for large drinking water resource: a case study of Qiandao Lake Area, China. Frontiers of Earth Science, 2015, 9, 578-589.	2.1	15
152	Quantitative assessment of climate and human impacts on surface water resources in a typical semiâ€arid watershed in the middle reaches of the Yellow River from 1985 to 2006. International Journal of Climatology, 2015, 35, 97-113.	3.5	59
153	Inter-comparison of radar-based nowcasting schemes in the Jianghuai River Basin, China. Meteorological Applications, 2015, 22, 289-300.	2.1	4
154	Multiscale Hydrologic Applications of the Latest Satellite Precipitation Products in the Yangtze River Basin using a Distributed Hydrologic Model. Journal of Hydrometeorology, 2015, 16, 407-426.	1.9	99
155	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.	11.0	201
156	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.	3.3	205
157	The Diurnal Cycle of Precipitation in Regional Spectral Model Simulations over West Africa: Sensitivities to Resolution and Cumulus Schemes. Weather and Forecasting, 2015, 30, 424-445.	1.4	22
158	Model test study on monitoring dynamic process of slope failure through spatial sensor network. Environmental Earth Sciences, 2015, 74, 3315-3332.	2.7	31
159	Evaluating the Performance of Merged Multi-Satellite Precipitation Products Over a Complex Terrain. Water Resources Management, 2015, 29, 4885-4901.	3.9	36
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