Yang E Hong

List of Publications by Year in Descending Order

388 papers	21,288 citations	66 h-index	135 g-index
411 ext. papers	24,506 ext. citations	4.5 avg, IF	6.98 L-index

#	Paper	IF	Citations
388	Near real-time hurricane rainfall forecasting using convolutional neural network models with Integrated Multi-satellitE Retrievals for GPM (IMERG) product. *Atmospheric Research*, **2022**, 270, 106037	5.4	3
387	Evaluation of GPM IMERG and its constellations in extreme events over the conterminous united states. *Journal of Hydrology*, **2022**, 606, 127357	6	1
386	A Multisource, Data-Driven, Web-GIS-Based Hydrological Modeling Framework for Flood Forecasting and Prevention. *Geophysical Monograph Series*, **2022**, 105-122	1.1	
385	An Ensemble-Based, Remote-Sensing-Driven, Flood-Landslide Early Warning System. *Geophysical Monograph Series*, **2022**, 123-134	1.1	
384	Progress in Satellite Precipitation Products over the Past Two Decades. *Geophysical Monograph Series*, **2022**, 11-30	1.1	
383	Recent Advances in Physical Water Scarcity Assessment Using GRACE Satellite Data. *Geophysical Monograph Series*, **2022**, 187-201	1.1	
382	Multisensor Remote Sensing and the Multidimensional Modeling of Extreme Flood Events. *Geophysical Monograph Series*, **2022**, 87-104	1.1	0
381	Interdisciplinary Perspectives on Remote Sensing for Monitoring and Predicting Water-Related Hazards. *Geophysical Monograph Series*, **2022**, 1-9	1.1	
380	Study of Water Cycle Variation in the Yellow River Basin Based on Satellite Remote Sensing and Numerical Modeling. *Geophysical Monograph Series*, **2022**, 203-222	1.1	
379	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	4.8	2
378	Drought Monitoring Based on Remote Sensing. *Geophysical Monograph Series*, **2022**, 149-168	1.1	
377	Remote Sensing of Vegetation Responses to Drought Disturbances Using Spaceborne Optical and Near-Infrared Sensors. *Geophysical Monograph Series*, **2022**, 169-186	1.1	
376	Effective Multi-Satellite Precipitation Fusion Procedure Conditioned by Gauge Background Fields over the Chinese Mainland. *Journal of Hydrology*, **2022**, 127783	6	2
375	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**, 1-1	4.7	0
374	Large-scale flash flood warning in China using deep learning. *Journal of Hydrology*, **2021**, 127222	6	1
373	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	6	8
372	Global component analysis of errors in three satellite-only global precipitation estimates. *Hydrology and Earth System Sciences*, **2021**, 25, 3087-3104	5.5	5

371	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	5.2	4
370	Can artificial intelligence and data-driven machine learning models match or even replace process-driven hydrologic models for streamflow simulation?: A case study of four watersheds with different hydro-climatic regions across the CONUS. *Journal of Hydrology*, **2021**, 598, 126423	6	9
369	Global Reach-level 3-hourly River Flood Reanalysis (1980-2019). *Bulletin of the American Meteorological Society*, **2021**, 1-49	6.1	4
368	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	2.9	2
367	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	3.7	7
366	Observed trends of different rainfall intensities and the associated spatiotemporal variations during 1958–2016 in Guangxi, China. *International Journal of Climatology*, **2021**, 41, E2880	3.5	3
365	Development of a new rainfall-triggering index of flash flood warning-case study in Yunnan province, China. *Journal of Flood Risk Management*, **2021**, 14, e12676	3.1	1
364	. *IEEE Transactions on Geoscience and Remote Sensing*, **2021**, 59, 4934-4946	8.1	4
363	A two-stage blending approach for merging multiple satellite precipitation estimates and rain gauge observations: an experiment in the northeastern Tibetan Plateau. *Hydrology and Earth System Sciences*, **2021**, 25, 359-374	5.5	7
362	The Drought Variability Based on Continuous Days without Available Precipitation in Guizhou Province, Southwest China. *Water (Switzerland)*, **2021**, 13, 660	3	1
361	Advancing Satellite Precipitation Retrievals With Data Driven Approaches: Is Black Box Model Explainable?. *Earth and Space Science*, **2021**, 8, e2020EA001423	3.1	4
360	A multi-source 120-year US flood database with a unified common format and public access. *Earth System Science Data*, **2021**, 13, 3755-3766	10.5	2
359	Mapping dynamic non-perennial stream networks using high-resolution distributed hydrologic simulation: A case study in the upper blue river basin. *Journal of Hydrology*, **2021**, 600, 126522	6	2
358	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	3.1	1
357	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	5	18
356	A two-step fusion framework for quality improvement of a remotely sensed soil moisture product: A case study for the ECV product over the Tibetan Plateau. *Journal of Hydrology*, **2020**, 587, 124993	6	10
355	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	5	11
354	A Framework to Evaluate Community Resilience to Urban Floods: A Case Study in Three Communities. *Sustainability*, **2020**, 12, 1521	3.6	17

353	A Soil Moisture Spatial and Temporal Resolution Improving Algorithm Based on Multi-Source Remote Sensing Data and GRNN Model. *Remote Sensing*, **2020**, 12, 455	5	24
352	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	13.2	130
351	Crop Water footprint estimation and modeling using an artificial neural network approach in the Nile Delta, Egypt. *Agricultural Water Management*, **2020**, 235, 106080	5.9	28
350	. *IEEE Transactions on Geoscience and Remote Sensing*, **2020**, 58, 8612-8625	8.1	16
349	Investigating the Evaluation Uncertainty for Satellite Precipitation Estimates Based on Two Different Ground Precipitation Observation Products. *Journal of Hydrometeorology*, **2020**, 21, 2595-2606	3.7	6
348	AIMERG: a new Asian precipitation dataset (0.1°/half-hourly, 2000–2015) by calibrating the GPM-era IMERG at a daily scale using APHRODITE. *Earth System Science Data*, **2020**, 12, 1525-1544	10.5	32
347	Construct Channel Network Topology From Remote Sensing Images by Morphology and Graph Analysis. *IEEE Geoscience and Remote Sensing Letters*, **2020**, 17, 1163-1167	4.1	3
346	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	6	18
345	Towards high resolution flood monitoring: An integrated methodology using passive microwave brightness temperatures and Sentinel synthetic aperture radar imagery. *Journal of Hydrology*, **2020**, 582, 124377	6	17
344	Comparison analysis of six purely satellite-derived global precipitation estimates. *Journal of Hydrology*, **2020**, 581, 124376	6	33
343	Recent global performance of the Climate Hazards group Infrared Precipitation (CHIRP) with Stations (CHIRPS). *Journal of Hydrology*, **2020**, 591, 125284	6	20
342	Using the Apriori Algorithm and Copula Function for the Bivariate Analysis of Flash Flood Risk. *Water (Switzerland)*, **2020**, 12, 2223	3	3
341	An Integrated Scenario Ensemble-Based Framework for Hurricane Evacuation Modeling: Part 2-Hazard Modeling. *Risk Analysis*, **2020**, 40, 117-133	3.9	13
340	Heterogeneous parallel computing accelerated generalized likelihood uncertainty estimation (GLUE) method for fast hydrological model uncertainty analysis purpose. *Engineering With Computers*, **2020**, 36, 75-96	4.5	10
339	Developing a Gap-Filling Algorithm Using DNN for the Ts-VI Triangle Model to Obtain Temporally Continuous Daily Actual Evapotranspiration in an Arid Area of China. *Remote Sensing*, **2020**, 12, 1121	5	11
338	Impacts of climate change and human activities on the flow regime of the dammed Lancang River in Southwest China. *Journal of Hydrology*, **2019**, 570, 96-105	6	56
337	In Quest of Calibration Density and Consistency in Hydrologic Modeling: Distributed Parameter Calibration against Streamflow Characteristics. *Water Resources Research*, **2019**, 55, 7784-7803	5.4	22
336	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	3.6	6

335	Land surface characterization using BeiDou signal-to-noise ratio observations. *GPS Solutions*, **2019**, 23, 1	4.4	9
334	Flood Monitoring System Using Distributed Hydrologic Modeling for Indus River Basin **2019**, 335-355		3
333	Inundation Extent Mapping by Synthetic Aperture Radar: A Review. *Remote Sensing*, **2019**, 11, 879	5	84
332	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	5	22
331	Using multi-satellite microwave remote sensing observations for retrieval of daily surface soil moisture across China. *Water Science and Engineering*, **2019**, 12, 85-97	4	37
330	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	6	25
329	Wavelet-Nonlinear Cointegration Prediction of Irrigation Water in the Irrigation District. *Water Resources Management*, **2019**, 33, 2941-2954	3.7	6
328	Fuzzy Risk Assessment of Flash Floods Using a Cloud-Based Information Diffusion Approach. *Water Resources Management*, **2019**, 33, 2537-2553	3.7	6
327	Using CYGNSS Data to Monitor China□ Flood Inundation during Typhoon and Extreme Precipitation Events in 2017. *Remote Sensing*, **2019**, 11, 854	5	24
326	A long-term dataset of lake surface water temperature over the Tibetan Plateau derived from AVHRR 1981-2015. *Scientific Data*, **2019**, 6, 48	8.2	12
325	Assessment of Physical Water Scarcity in Africa Using GRACE and TRMM Satellite Data. *Remote Sensing*, **2019**, 11, 904	5	21
324	Analysis of urban growth from 1960 to 2015 using historical DISP and Landsat time series data in Shanghai. *Arabian Journal of Geosciences*, **2019**, 12, 1	1.8	3
323	Flash Flood Risk Analysis Based on Machine Learning Techniques in the Yunnan Province, China. *Remote Sensing*, **2019**, 11, 170	5	26
322	Cross-Frequency Transfer Entropy Characterize Coupling of Interacting Nonlinear Oscillators in Complex Systems. *IEEE Transactions on Biomedical Engineering*, **2019**, 66, 521-529	5	13
321	A New Digital Lake Bathymetry Model Using the Step-Wise Water Recession Method to Generate 3D Lake Bathymetric Maps Based on DEMs. *Water (Switzerland)*, **2019**, 11, 1151	3	9
320	Recognizing Global Reservoirs From Landsat 8 Images: A Deep Learning Approach. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2019**, 12, 3168-3177	4.7	29
319	A novel method of visualizing q-complexity-entropy curve in the multiscale fashion. *Nonlinear Dynamics*, **2019**, 97, 2813-2828	5	5
318	Spaceborne GNSS-R Observation of Global Lake Level: First Results from the TechDemoSat-1 Mission. *Remote Sensing*, **2019**, 11, 1438	5	6

317	Climate change leads to a doubling of turbidity in a rapidly expanding Tibetan lake. *Science of the Total Environment*, **2019**, 688, 952-959	10.2	12
316	Assessment of Water Storage Change in China's Lakes and Reservoirs over the Last Three Decades. *Remote Sensing*, **2019**, 11, 1467	5	13
315	Heatwave Trends and the Population Exposure Over China in the 21st Century as Well as Under 1.5 °C and 2.0 °C Global Warmer Future Scenarios. *Sustainability*, **2019**, 11, 3318	3.6	10
314	A spatio-temporal continuous soil moisture dataset over the Tibet Plateau from 2002 to 2015. *Scientific Data*, **2019**, 6, 247	8.2	11
313	Enhancing SWOT discharge assimilation through spatiotemporal correlations. *Remote Sensing of Environment*, **2019**, 234, 111450	13.2	9
312	Remote Sensing Precipitation: Sensors, Retrievals, Validations, and Applications. *Ecohydrology*, **2019**, 107-128	0.2	2
311	Drought Trend Analysis Based on the Standardized Precipitation Evapotranspiration Index Using NASA's Earth Exchange Global Daily Downscaled Projections, High Spatial Resolution Coupled Model Intercomparison Project Phase 5 Projections, and Assessment of Potential Impacts on China's Crop Yield in the 21st Century. *Water (Switzerland)*, **2019**, 11, 2455	3	4
310	Corrections to "Recognizing Global Reservoirs From Landsat 8 Images: A Deep Learning Approach" [Sep 19 3168-3177]. *IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing*, **2019**, 12, 3701-3701	4.7	1
309	Corrections to "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*, **2019**, 12, 3702-3702	4.7	
308	Comparison of projected water availability and demand reveals future hotspots of water stress in the Red River basin, USA. *Journal of Hydrology: Regional Studies*, **2019**, 26, 100638	3.6	7
307	A Google Earth Engine-enabled software for efficiently generating high-quality user-ready Landsat mosaic images. *Environmental Modelling and Software*, **2019**, 112, 16-22	5.2	32
306	Computer Aided Numerical Methods for Hydrological Model Calibration: An Overview and Recent Development. *Archives of Computational Methods in Engineering*, **2019**, 26, 35-59	7.8	19
305	A comprehensive flash flood defense system in China: overview, achievements, and outlook. *Natural Hazards*, **2018**, 92, 727-740	3	19
304	Accounting for spatiotemporal errors of gauges: A critical step to evaluate gridded precipitation products. *Journal of Hydrology*, **2018**, 559, 294-306	6	78
303	Climatology of snow phenology over the Tibetan plateau for the period 2001–2014 using multisource data. *International Journal of Climatology*, **2018**, 38, 2718-2729	3.5	5
302	Documentation of multifactorial relationships between precipitation and topography of the Tibetan Plateau using spaceborne precipitation radars. *Remote Sensing of Environment*, **2018**, 208, 82-96	13.2	43
301	Probabilistic precipitation rate estimates with space-based infrared sensors. *Quarterly Journal of the Royal Meteorological Society*, **2018**, 144, 191-205	6.4	15
300	An improved approach to monitoring Brahmaputra River water levels using retracked altimetry data. *Remote Sensing of Environment*, **2018**, 211, 112-128	13.2	48

299	Runoff sensitivity to climate change in the Nile River Basin. *Journal of Hydrology*, **2018**, 561, 312-321	6	32
298	The Third Atmospheric Scientific Experiment for Understanding the Earth–Atmosphere Coupled System over the Tibetan Plateau and Its Effects. *Bulletin of the American Meteorological Society*, **2018**, 99, 757-776	6.1	78
297	To What Extent is the Day 1 GPM IMERG Satellite Precipitation Estimate Improved as Compared to TRMM TMPA-RT?. *Journal of Geophysical Research D: Atmospheres*, **2018**, 123, 1694-1707	4.4	71
296	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	16
295	A two-step framework for reconstructing remotely sensed land surface temperatures contaminated by cloud. *ISPRS Journal of Photogrammetry and Remote Sensing*, **2018**, 141, 30-45	11.8	62
294	Cross-evaluation of ground-based, multi-satellite and reanalysis precipitation products: Applicability of the Triple Collocation method across Mainland China. *Journal of Hydrology*, **2018**, 562, 71-83	6	49
293	Atmospheric moisture transport versus precipitation across the Tibetan Plateau: A mini-review and current challenges. *Atmospheric Research*, **2018**, 209, 50-58	5.4	29
292	55-year (1960–2015) spatiotemporal shoreline change analysis using historical DISP and Landsat time series data in Shanghai. *International Journal of Applied Earth Observation and Geoinformation*, **2018**, 68, 238-251	7.3	35
291	Improving water quantity simulation & forecasting to solve the energy-water-food nexus issue by using heterogeneous computing accelerated global optimization method. *Applied Energy*, **2018**, 210, 420-433	10.7	35
290	Fast hydrological model calibration based on the heterogeneous parallel computing accelerated shuffled complex evolution method. *Engineering Optimization*, **2018**, 50, 106-119	2	13
289	A novel hybrid data-driven model for multi-input single-output system simulation. *Neural Computing and Applications*, **2018**, 29, 577-593	4.8	9
288	Analysis of flash flood disaster characteristics in China from 2011 to 2015. *Natural Hazards*, **2018**, 90, 407-420	3	65
287	Calibration of weather radar using region probability matching method (RPMM). *Theoretical and Applied Climatology*, **2018**, 134, 165-176	3	9
286	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	6	53
285	Investigation of SMAP Active–Passive Downscaling Algorithms Using Combined Sentinel-1 SAR and SMAP Radiometer Data. *IEEE Transactions on Geoscience and Remote Sensing*, **2018**, 56, 4906-4918	8.1	18
284	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	4.7	9
283	A systematic assessment and reduction of parametric uncertainties for a distributed hydrological model. *Journal of Hydrology*, **2018**, 564, 697-711	6	17
282	Can Satellite Precipitation Products Estimate Probable Maximum Precipitation: A Comparative Investigation with Gauge Data in the Dadu River Basin. *Remote Sensing*, **2018**, 10, 41	5	16

281	The Temporal-Spatial Characteristics of Drought in the Loess Plateau Using the Remote-Sensed TRMM Precipitation Data from 1998 to 2014. *Remote Sensing*, **2018**, 10, 838	5	32
280	Characterizing the Flash Flooding Risks from 2011 to 2016 over China. *Water (Switzerland)*, **2018**, 10, 704	3	15
279	Remote Sensing Precipitation: Sensors, Retrievals, Validations, and Applications. *Ecohydrology*, **2018**, 1-23	0.2	2
278	A New Approach to Modeling Water Balance in Nile River Basin, Africa. *Sustainability*, **2018**, 10, 810	3.6	6
277	Lake Surface Water Temperature Change Over the Tibetan Plateau From 2001 to 2015: A Sensitive Indicator of the Warming Climate. *Geophysical Research Letters*, **2018**, 45, 11,177	4.9	23
276	Investigating China's Urban Air Quality Using Big Data, Information Theory, and Machine Learning. *Polish Journal of Environmental Studies*, **2018**, 27, 565-578	2.3	12
275	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	6	56
274	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	4.4	66
273	Spatiotemporal Assessment of Induced Seismicity in Oklahoma: Foreseeable Fewer Earthquakes for Sustainable Oil and Gas Extraction?. *Geosciences (Switzerland)*, **2018**, 8, 436	2.7	1
272	Industrial Water Pollution Discharge Taxes in China: A Multi-Sector Dynamic Analysis. *Water (Switzerland)*, **2018**, 10, 1742	3	10
271	Comparisons of Spatially Downscaling TMPA and IMERG over the Tibetan Plateau. *Remote Sensing*, **2018**, 10, 1883	5	16
270	Global water cycle and remote sensing big data: overview, challenge, and opportunities. *Big Earth Data*, **2018**, 2, 282-297	4.1	16
269	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	3	13
268	Spatio-temporal variability of Antarctic sea-ice thickness and volume obtained from ICESat data using an innovative algorithm. *Remote Sensing of Environment*, **2018**, 219, 44-61	13.2	15
267	Discharge estimation in high-mountain regions with improved methods using multisource remote sensing: A case study of the Upper Brahmaputra River. *Remote Sensing of Environment*, **2018**, 219, 115-134	13.2	68
266	Exploring Deep Neural Networks to Retrieve Rain and Snow in High Latitudes Using Multisensor and Reanalysis Data. *Water Resources Research*, **2018**, 54, 8253-8278	5.4	32
265	The First Comparisons of IMERG and the Downscaled Results Based on IMERG in Hydrological Utility over the Ganjiang River Basin. *Water (Switzerland)*, **2018**, 10, 1392	3	15
264	Downscaling of ERA-Interim Temperature in the Contiguous United States and Its Implications for Rain–Snow Partitioning. *Journal of Hydrometeorology*, **2018**, 19, 1215-1233	3.7	8

263	Developing a composite daily snow cover extent record over the Tibetan Plateau from 1981 to 2016 using multisource data. *Remote Sensing of Environment*, **2018**, 215, 284-299	13.2	35
262	A global distributed basin morphometric dataset. *Scientific Data*, **2017**, 4, 160124	8.2	23
261	Evaluation of MRMS Snowfall Products over the Western United States. *Journal of Hydrometeorology*, **2017**, 18, 1707-1713	3.7	7
260	Improved modeling of snow and glacier melting by a progressive two-stage calibration strategy with GRACE and multisource data: How snow and glacier meltwater contributes to the runoff of the Upper Brahmaputra River basin?. *Water Resources Research*, **2017**, 53, 2431-2466	5.4	108
259	Global analysis of spatiotemporal variability in merged total water storage changes using multiple GRACE products and global hydrological models. *Remote Sensing of Environment*, **2017**, 192, 198-216	13.2	148
258	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	2.3	31
257	Analysis of Precipitation Projections over the Climate Gradient of the Arkansas Red River Basin. *Journal of Applied Meteorology and Climatology*, **2017**, 56, 1325-1336	2.7	10
256	Similarities and differences between three coexisting spaceborne radars in global rainfall and snowfall estimation. *Water Resources Research*, **2017**, 53, 3835-3853	5.4	34
255	Usage of Existing Meteorological Data Networks for Parameterized Road Ice Formation Modeling. *Journal of Applied Meteorology and Climatology*, **2017**, 56, 1959-1976	2.7	8
254	Observed changes in flow regimes in the Mekong River basin. *Journal of Hydrology*, **2017**, 551, 217-232	6	91
253	Assessing the potential of satellite-based precipitation estimates for flood frequency analysis in ungauged or poorly gauged tributaries of China Yangtze River basin. *Journal of Hydrology*, **2017**, 550, 478-496	6	58
252	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	4.1	13
251	Uncertainty analysis of radar rainfall estimates over two different climates in Iran. *International Journal of Remote Sensing*, **2017**, 38, 5106-5126	3.1	5
250	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	4.1	26
249	Polarimetric Signatures of Midlatitude Warm-Rain Precipitation Events. *Journal of Applied Meteorology and Climatology*, **2017**, 56, 697-711	2.7	19
248	Evaluation of the TRMM multisatellite precipitation analysis and its applicability in supporting reservoir operation and water resources management in Hanjiang basin, China. *Journal of Hydrology*, **2017**, 549, 313-325	6	39
247	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	4.6	23
246	Characterization of floods in the United States. *Journal of Hydrology*, **2017**, 548, 524-535	6	37

245	Understanding Overland Multisensor Satellite Precipitation Error in TMPA-RT Products. *Journal of Hydrometeorology*, **2017**, 18, 285-306	3.7	25
244	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	5	19
243	Error analysis of ensemble multi-satellite precipitation datasets over the Tibetan Plateau **2017**,		1
242	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	3	17
241	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	5	15
240	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	2.7	1
239	A comprehensive data set of lake surface water temperature over the Tibetan Plateau derived from MODIS LST products 2001-2015. *Scientific Data*, **2017**, 4, 170095	8.2	51
238	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	4.1	10
237	Encounter risk analysis of rainfall and reference crop evapotranspiration in the irrigation district. *Journal of Hydrology*, **2017**, 552, 62-69	6	7
236	Cross-evaluation of reflectivity from the space-borne precipitation radar and multi-type ground-based weather radar network in China. *Atmospheric Research*, **2017**, 196, 200-210	5.4	5
235	Refining a Distributed Linear Reservoir Routing Method to Improve Performance of the CREST Model. *Journal of Hydrologic Engineering - ASCE*, **2017**, 22, 04016061	1.8	28
234	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	6.1	91
233	Statistical assessment and hydrological utility of the latest multi-satellite precipitation analysis IMERG in Ganjiang River basin. *Atmospheric Research*, **2017**, 183, 212-223	5.4	69
232	Wavelet-cointegration prediction of irrigation water in the irrigation district. *Journal of Hydrology*, **2017**, 544, 343-351	6	9
231	Mapping Flash Flood Severity in the United States. *Journal of Hydrometeorology*, **2017**, 18, 397-411	3.7	49
230	Observed radiative cooling over the Tibetan Plateau for the past three decades driven by snow cover-induced surface albedo anomaly. *Journal of Geophysical Research D: Atmospheres*, **2017**, 122, 6170-6185	4.4	28
229	Hydrological Modeling and Capacity Building in the Republic of Namibia. *Bulletin of the American Meteorological Society*, **2017**, 98, 1697-1715	6.1	12
228	Developing the Remote Sensing-Gash Analytical Model for Estimating Vegetation Rainfall Interception at Very High Resolution: A Case Study in the Heihe River Basin. *Remote Sensing*, **2017**, 9, 661	5	4

227	An Improved Coupled Routing and Excess Storage (CREST) Distributed Hydrological Model and Its Verification in Ganjiang River Basin, China. *Water (Switzerland)*, **2017**, 9, 904	3	14
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