

# Xiaogang He

## List of Publications by Citations

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234  
papers

14,852  
citations

56  
h-index

118  
g-index

245  
ext. papers

17,263  
ext. citations

4.4  
avg, IF

6.63  
L-index

#	Paper	IF	Citations
234	The TRMM Multisatellite Precipitation Analysis (TMPA): Quasi-Global, Multiyear, Combined-Sensor Precipitation Estimates at Fine Scales. <i>Journal of Hydrometeorology</i> , <b>2007</b> , 8, 38-55	3.7	5064
233	Precipitation Estimation from Remotely Sensed Imagery Using an Artificial Neural Network Cloud Classification System. <i>Journal of Applied Meteorology and Climatology</i> , <b>2004</b> , 43, 1834-1853		506
232	Evaluation of TRMM Multisatellite Precipitation Analysis (TMPA) and Its Utility in Hydrologic Prediction in the La Plata Basin. <i>Journal of Hydrometeorology</i> , <b>2008</b> , 9, 622-640	3.7	385
231	Evaluation of GPM Day-1 IMERG and TMPA Version-7 legacy products over Mainland China at multiple spatiotemporal scales. <i>Journal of Hydrology</i> , <b>2016</b> , 533, 152-167	6	319
230	Statistical and hydrological evaluation of TRMM-based Multi-satellite Precipitation Analysis over the Wangchu Basin of Bhutan: Are the latest satellite precipitation products 3B42V7 ready for use in ungauged basins?. <i>Journal of Hydrology</i> , <b>2013</b> , 499, 91-99	6	254
229	A global landslide catalog for hazard applications: method, results, and limitations. <i>Natural Hazards</i> , <b>2010</b> , 52, 561-575	3	227
228	Drought and flood monitoring for a large karst plateau in Southwest China using extended GRACE data. <i>Remote Sensing of Environment</i> , <b>2014</b> , 155, 145-160	13.2	215
227	Hydrologic evaluation of Multisatellite Precipitation Analysis standard precipitation products in basins beyond its inclined latitude band: A case study in Laohahe basin, China. <i>Water Resources Research</i> , <b>2010</b> , 46,	5.4	199
226	Vegetation Greening and Climate Change Promote Multidecadal Rises of Global Land Evapotranspiration. <i>Scientific Reports</i> , <b>2015</b> , 5, 15956	4.9	180
225	Global View Of Real-Time Trmm Multisatellite Precipitation Analysis: Implications For Its Successor Global Precipitation Measurement Mission. <i>Bulletin of the American Meteorological Society</i> , <b>2015</b> , 96, 283-296	6.1	171
224	Satellite Remote Sensing and Hydrologic Modeling for Flood Inundation Mapping in Lake Victoria Basin: Implications for Hydrologic Prediction in Ungauged Basins. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2011</b> , 49, 85-95	8.1	169
223	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?. <i>Journal of Hydrometeorology</i> , <b>2016</b> , 17, 121-137	3.7	163
222	Use of satellite remote sensing data in the mapping of global landslide susceptibility. <i>Natural Hazards</i> , <b>2007</b> , 43, 245-256	3	159
221	The coupled routing and excess storage (CREST) distributed hydrological model. <i>Hydrological Sciences Journal</i> , <b>2011</b> , 56, 84-98	3.5	152
220	Have GRACE satellites overestimated groundwater depletion in the Northwest India Aquifer?. <i>Scientific Reports</i> , <b>2016</b> , 6, 24398	4.9	150
219	Deriving scaling factors using a global hydrological model to restore GRACE total water storage changes for China's Yangtze River Basin. <i>Remote Sensing of Environment</i> , <b>2015</b> , 168, 177-193	13.2	147
218	Similarity and difference of the two successive V6 and V7 TRMM multisatellite precipitation analysis performance over China. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 13,060-13,074	4.4	147

217	Early assessment of Integrated Multi-satellite Retrievals for Global Precipitation Measurement over China. <i>Atmospheric Research</i> , <b>2016</b> , 176-177, 121-133	5.4	142
216	Evaluation of Global Flood Detection Using Satellite-Based Rainfall and a Hydrologic Model. <i>Journal of Hydrometeorology</i> , <b>2012</b> , 13, 1268-1284	3.7	139
215	Evaluation of the potential of NASA multi-satellite precipitation analysis in global landslide hazard assessment. <i>Geophysical Research Letters</i> , <b>2006</b> , 33,	4.9	137
214	Quantitative assessment of climate change and human impacts on long-term hydrologic response: a case study in a sub-basin of the Yellow River, China. <i>International Journal of Climatology</i> , <b>2010</b> , 30, 2130-2137 <sup>136</sup>	3.5	136
213	Have satellite precipitation products improved over last two decades? A comprehensive comparison of GPM IMERG with nine satellite and reanalysis datasets. <i>Remote Sensing of Environment</i> , <b>2020</b> , 240, 111697	13.2	130
212	A first approach to global runoff simulation using satellite rainfall estimation. <i>Water Resources Research</i> , <b>2007</b> , 43,	5.4	127
211	Assessment of evolving TRMM-based multisatellite real-time precipitation estimation methods and their impacts on hydrologic prediction in a high latitude basin. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		120
210	Comparison of PERSIANN and V7 TRMM Multi-satellite Precipitation Analysis (TMPA) products with rain gauge data over Iran. <i>International Journal of Remote Sensing</i> , <b>2013</b> , 34, 8156-8171	3.1	120
209	A digitized global flood inventory (1998-2008): compilation and preliminary results. <i>Natural Hazards</i> , <b>2010</b> , 55, 405-422	3	119
208	Flood and landslide applications of near real-time satellite rainfall products. <i>Natural Hazards</i> , <b>2007</b> , 43, 285-294	3	119
207	Evaluation of the real-time TRMM-based multi-satellite precipitation analysis for an operational flood prediction system in Nzoia Basin, Lake Victoria, Africa. <i>Natural Hazards</i> , <b>2009</b> , 50, 109-123	3	118
206	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?. <i>Water Resources Research</i> , <b>2017</b> , 53, 2431-2466	5.4	108
205	Evaluation of the successive V6 and V7 TRMM multisatellite precipitation analysis over the Continental United States. <i>Water Resources Research</i> , <b>2013</b> , 49, 8174-8186	5.4	108
204	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. <i>Remote Sensing</i> , <b>2016</b> , 8, 569	5	97
203	Bayesian multimodel estimation of global terrestrial latent heat flux from eddy covariance, meteorological, and satellite observations. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2014</b> , 119, 4521-4545	4.4	93
202	The FLASH Project: Improving the Tools for Flash Flood Monitoring and Prediction across the United States. <i>Bulletin of the American Meteorological Society</i> , <b>2017</b> , 98, 361-372	6.1	91
201	Prototyping an experimental early warning system for rainfall-induced landslides in Indonesia using satellite remote sensing and geospatial datasets. <i>Landslides</i> , <b>2010</b> , 7, 317-324	6.6	91
200	Multiregional Satellite Precipitation Products Evaluation over Complex Terrain. <i>Journal of Hydrometeorology</i> , <b>2016</b> , 17, 1817-1836	3.7	87

199	Spatial downscaling of precipitation using adaptable random forests. <i>Water Resources Research</i> , <b>2016</b> , 52, 8217-8237	5.4	82
198	Multiscale Hydrologic Applications of the Latest Satellite Precipitation Products in the Yangtze River Basin using a Distributed Hydrologic Model. <i>Journal of Hydrometeorology</i> , <b>2015</b> , 16, 407-426	3.7	81
197	Accounting for spatiotemporal errors of gauges: A critical step to evaluate gridded precipitation products. <i>Journal of Hydrology</i> , <b>2018</b> , 559, 294-306	6	78
196	A lake data set for the Tibetan Plateau from the 1960s, 2005, and 2014. <i>Scientific Data</i> , <b>2016</b> , 3, 160039	8.2	73
195	Advances in landslide nowcasting: evaluation of a global and regional modeling approach. <i>Environmental Earth Sciences</i> , <b>2012</b> , 66, 1683-1696	2.9	71
194	Precipitation Extremes Estimated by GPCP and TRMM: ENSO Relationships. <i>Journal of Hydrometeorology</i> , <b>2007</b> , 8, 678-689	3.7	71
193	Intensification of hydrological drought in California by human water management. <i>Geophysical Research Letters</i> , <b>2017</b> , 44, 1777-1785	4.9	70
192	Statistical assessment and hydrological utility of the latest multi-satellite precipitation analysis IMERG in Ganjiang River basin. <i>Atmospheric Research</i> , <b>2017</b> , 183, 212-223	5.4	69
191	Evaluation of Version-7 TRMM Multi-Satellite Precipitation Analysis Product during the Beijing Extreme Heavy Rainfall Event of 21 July 2012. <i>Water (Switzerland)</i> , <b>2014</b> , 6, 32-44	3	68
190	A Unified Flash Flood Database across the United States. <i>Bulletin of the American Meteorological Society</i> , <b>2013</b> , 94, 799-805	6.1	67
189	Performance evaluation of radar and satellite rainfalls for Typhoon Morakot over Taiwan: Are remote-sensing products ready for gauge denial scenario of extreme events?. <i>Journal of Hydrology</i> , <b>2013</b> , 506, 4-13	6	66
188	Performance of Optimally Merged Multisatellite Precipitation Products Using the Dynamic Bayesian Model Averaging Scheme Over the Tibetan Plateau. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2018</b> , 123, 814-834	4.4	66
187	Analysis of flash flood disaster characteristics in China from 2011 to 2015. <i>Natural Hazards</i> , <b>2018</b> , 90, 407-420	3	65
186	Predicting global landslide spatiotemporal distribution: Integrating landslide susceptibility zoning techniques and real-time satellite rainfall estimates. <i>International Journal of Sediment Research</i> , <b>2008</b> , 23, 249-257	3	62
185	Water balance-based actual evapotranspiration reconstruction from ground and satellite observations over the conterminous United States. <i>Water Resources Research</i> , <b>2015</b> , 51, 6485-6499	5.4	61
184	Probabilistic precipitation rate estimates with ground-based radar networks. <i>Water Resources Research</i> , <b>2015</b> , 51, 1422-1442	5.4	61
183	Hydro-Climatological Drought Analyses and Projections Using Meteorological and Hydrological Drought Indices: A Case Study in Blue River Basin, Oklahoma. <i>Water Resources Management</i> , <b>2012</b> , 26, 2761-2779	3.7	61
182	Comprehensive evaluation of four high-resolution satellite precipitation products under diverse climate conditions in Iran. <i>Hydrological Sciences Journal</i> , <b>2016</b> , 61, 420-440	3.5	60

181	Evaluation of TRIGRS (transient rainfall infiltration and grid-based regional slope-stability analysis) predictive skill for hurricane-triggered landslides: a case study in Macon County, North Carolina. <i>Natural Hazards</i> , <b>2011</b> , 58, 325-339	3	58
180	Evaluation of Tools Used for Monitoring and Forecasting Flash Floods in the United States. <i>Weather and Forecasting</i> , <b>2012</b> , 27, 158-173	2.1	58
179	Evaluation of a satellite-based global flood monitoring system. <i>International Journal of Remote Sensing</i> , <b>2010</b> , 31, 3763-3782	3.1	57
178	Comprehensive evaluation of Ensemble Multi-Satellite Precipitation Dataset using the Dynamic Bayesian Model Averaging scheme over the Tibetan plateau. <i>Journal of Hydrology</i> , <b>2018</b> , 556, 634-644	6	56
177	VSDI: a visible and shortwave infrared drought index for monitoring soil and vegetation moisture based on optical remote sensing. <i>International Journal of Remote Sensing</i> , <b>2013</b> , 34, 4585-4609	3.1	55
176	Intercomparison of Rainfall Estimates from Radar, Satellite, Gauge, and Combinations for a Season of Record Rainfall. <i>Journal of Applied Meteorology and Climatology</i> , <b>2010</b> , 49, 437-452	2.7	54
175	Global intercomparison and regional evaluation of GPM IMERG Version-03, Version-04 and its latest Version-05 precipitation products: Similarity, difference and improvements. <i>Journal of Hydrology</i> , <b>2018</b> , 564, 342-356	6	53
174	CONUS-Wide Evaluation of National Weather Service Flash Flood Guidance Products. <i>Weather and Forecasting</i> , <b>2014</b> , 29, 377-392	2.1	52
173	A comprehensive data set of lake surface water temperature over the Tibetan Plateau derived from MODIS LST products 2001-2015. <i>Scientific Data</i> , <b>2017</b> , 4, 170095	8.2	51
172	Susceptibility evaluation and mapping of China's landslides based on multi-source data. <i>Natural Hazards</i> , <b>2013</b> , 69, 1477-1495	3	50
171	Evaluation of the ERA5 reanalysis precipitation dataset over Chinese Mainland. <i>Journal of Hydrology</i> , <b>2021</b> , 595, 125660	6	50
170	Mapping Flash Flood Severity in the United States. <i>Journal of Hydrometeorology</i> , <b>2017</b> , 18, 397-411	3.7	49
169	Quantitative assessment of climate and human impacts on surface water resources in a typical semi-arid watershed in the middle reaches of the Yellow River from 1985 to 2006. <i>International Journal of Climatology</i> , <b>2015</b> , 35, 97-113	3.5	46
168	Error-Component Analysis of TRMM-Based Multi-Satellite Precipitation Estimates over Mainland China. <i>Remote Sensing</i> , <b>2016</b> , 8, 440	5	45
167	First evaluation of the climatological calibration algorithm in the real-time TMPA precipitation estimates over two basins at high and low latitudes. <i>Water Resources Research</i> , <b>2013</b> , 49, 2461-2472	5.4	44
166	Documentation of multifactorial relationships between precipitation and topography of the Tibetan Plateau using spaceborne precipitation radars. <i>Remote Sensing of Environment</i> , <b>2018</b> , 208, 82-96 <sup>13.2</sup>		43
165	Assessment of shallow landslides from Hurricane Mitch in central America using a physically based model. <i>Environmental Earth Sciences</i> , <b>2012</b> , 66, 1697-1705	2.9	43
164	Evaluation of high-resolution precipitation estimates from satellites during July 2012 Beijing flood event using dense rain gauge observations. <i>PLoS ONE</i> , <b>2014</b> , 9, e89681	3.7	40

163	A Global Drought and Flood Catalogue from 1950 to 2016. <i>Bulletin of the American Meteorological Society</i> , <b>2020</b> , 101, E508-E535	6.1	39
162	Uncertainty analysis of five satellite-based precipitation products and evaluation of three optimally merged multi-algorithm products over the Tibetan Plateau. <i>International Journal of Remote Sensing</i> , <b>2014</b> , 35, 6843-6858	3.1	39
161	New Multisite Cascading Calibration Approach for Hydrological Models: Case Study in the Red River Basin Using the VIC Model. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2016</b> , 21, 05015019	1.8	37
160	Improvement of Multi-Satellite Real-Time Precipitation Products for Ensemble Streamflow Simulation in a Middle Latitude Basin in South China. <i>Water Resources Management</i> , <b>2014</b> , 28, 2259-2278	3.7	35
159	Similarities and differences between three coexisting spaceborne radars in global rainfall and snowfall estimation. <i>Water Resources Research</i> , <b>2017</b> , 53, 3835-3853	5.4	34
158	Integrated approaches to understanding and reducing drought impact on food security across scales. <i>Current Opinion in Environmental Sustainability</i> , <b>2019</b> , 40, 43-54	7.2	33
157	Comparison analysis of six purely satellite-derived global precipitation estimates. <i>Journal of Hydrology</i> , <b>2020</b> , 581, 124376	6	33
156	Exploring Deep Neural Networks to Retrieve Rain and Snow in High Latitudes Using Multisensor and Reanalysis Data. <i>Water Resources Research</i> , <b>2018</b> , 54, 8253-8278	5.4	32
155	Development of an NRCS curve number global dataset using the latest geospatial remote sensing data for worldwide hydrologic applications. <i>Remote Sensing Letters</i> , <b>2017</b> , 8, 528-536	2.3	31
154	Hydrometeorological Analysis and Remote Sensing of Extremes: Was the July 2012 Beijing Flood Event Detectable and Predictable by Global Satellite Observing and Global Weather Modeling Systems?. <i>Journal of Hydrometeorology</i> , <b>2015</b> , 16, 381-395	3.7	31
153	Water security implications of coal-fired power plants financed through China's Belt and Road Initiative. <i>Energy Policy</i> , <b>2019</b> , 132, 1101-1109	7.2	31
152	Future increases in irrigation water requirement challenge the water-food nexus in the northeast farming region of China. <i>Agricultural Water Management</i> , <b>2019</b> , 213, 594-604	5.9	31
151	Observed radiative cooling over the Tibetan Plateau for the past three decades driven by snow cover-induced surface albedo anomaly. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2017</b> , 122, 6170-6185	4.4	28
150	Mudslide-caused ecosystem degradation following Wenchuan earthquake 2008. <i>Geophysical Research Letters</i> , <b>2009</b> , 36,	4.9	28
149	Monitoring urban greenness dynamics using multiple endmember spectral mixture analysis. <i>PLoS ONE</i> , <b>2014</b> , 9, e112202	3.7	27
148	Analyzing projected changes and trends of temperature and precipitation in the southern USA from 16 downscaled global climate models. <i>Theoretical and Applied Climatology</i> , <b>2012</b> , 109, 345-360	3	27
147	Systematic Anomalies Over Inland Water Bodies of High Mountain Asia in TRMM Precipitation Estimates: No Longer a Problem for the GPM Era?. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2016</b> , 13, 1762-1766	4.1	27
146	Can Near-Real-Time Satellite Precipitation Products Capture Rainstorms and Guide Flood Warning for the 2016 Summer in South China?. <i>IEEE Geoscience and Remote Sensing Letters</i> , <b>2017</b> , 14, 1208-1212	4.1	26

145	Development of a coupled hydrological-geotechnical framework for rainfall-induced landslides prediction. <i>Journal of Hydrology</i> , <b>2016</b> , 543, 395-405	6	26
144	Error analysis of multi-satellite precipitation estimates with an independent raingauge observation network over a medium-sized humid basin. <i>Hydrological Sciences Journal</i> , <b>2016</b> , 1-18	3.5	26
143	Responses of land evapotranspiration to Earth's greening in CMIP5 Earth System Models. <i>Environmental Research Letters</i> , <b>2016</b> , 11, 104006	6.2	26
142	Evaluating the Performance of Merged Multi-Satellite Precipitation Products Over a Complex Terrain. <i>Water Resources Management</i> , <b>2015</b> , 29, 4885-4901	3.7	25
141	Research Framework to Bridge from the Global Precipitation Measurement Mission Core Satellite to the Constellation Sensors Using Ground-Radar-Based National Mosaic QPE. <i>Geophysical Monograph Series</i> , <b>2014</b> , 61-79	1.1	25
140	Solar and wind energy enhances drought resilience and groundwater sustainability. <i>Nature Communications</i> , <b>2019</b> , 10, 4893	17.4	24
139	Spatio-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. <i>Journal of Hydrometeorology</i> , <b>2013</b> , 14, 1009-1034	3.7	24
138	Impacts of Polarimetric Radar Observations on Hydrologic Simulation. <i>Journal of Hydrometeorology</i> , <b>2010</b> , 11, 781-796	3.7	24
137	Spatio-temporal analysis and simulation on shallow rainfall-induced landslides in China using landslide susceptibility dynamics and rainfall I-D thresholds. <i>Science China Earth Sciences</i> , <b>2017</b> , 60, 720-732	4.6	23
136	Model test study on monitoring dynamic process of slope failure through spatial sensor network. <i>Environmental Earth Sciences</i> , <b>2015</b> , 74, 3315-3332	2.9	23
135	Characterizing Spatiotemporal Variations of Hourly Rainfall by Gauge and Radar in the Mountainous Three Gorges Region. <i>Journal of Applied Meteorology and Climatology</i> , <b>2014</b> , 53, 873-889	2.7	23
134	In Quest of Calibration Density and Consistency in Hydrologic Modeling: Distributed Parameter Calibration against Streamflow Characteristics. <i>Water Resources Research</i> , <b>2019</b> , 55, 7784-7803	5.4	22
133	A Methodology to Monitor Urban Expansion and Green Space Change Using a Time Series of Multi-Sensor SPOT and Sentinel-2A Images. <i>Remote Sensing</i> , <b>2019</b> , 11, 1230	5	22
132	Lagged Compound Occurrence of Droughts and Pluvials Globally Over the Past Seven Decades. <i>Geophysical Research Letters</i> , <b>2020</b> , 47, e2020GL087924	4.9	22
131	Empirical conversion of the vertical profile of reflectivity from Ku-band to S-band frequency. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2013</b> , 118, 1814-1825	4.4	21
130	Evaluating Four Multisatellite Precipitation Estimates over the Diaoyu Islands during Typhoon Seasons. <i>Journal of Hydrometeorology</i> , <b>2016</b> , 17, 1623-1641	3.7	21
129	Forecasting the Hydroclimatic Signature of the 2015/16 El Niño Event on the Western United States. <i>Journal of Hydrometeorology</i> , <b>2017</b> , 18, 177-186	3.7	20
128	Projected changes in mean and interannual variability of surface water over continental China. <i>Science China Earth Sciences</i> , <b>2015</b> , 58, 739-754	4.6	20

127	Contrasting Influences of Human Activities on Hydrological Drought Regimes Over China Based on High-Resolution Simulations. <i>Water Resources Research</i> , <b>2020</b> , 56, e2019WR025843	5.4	20
126	Evaluation of latest TMPA and CMORPH precipitation products with independent rain gauge observation networks over high-latitude and low-latitude basins in China. <i>Chinese Geographical Science</i> , <b>2016</b> , 26, 439-455	2.9	20
125	Hydrological Variability and Uncertainty of Lower Missouri River Basin Under Changing Climate. <i>Journal of the American Water Resources Association</i> , <b>2014</b> , 50, 246-260	2.1	20
124	Climate Change and Hydrological Response in the Trans-State Oologah Lake Watershed Evaluating Dynamically Downscaled NARCCAP and Statistically Downscaled CMIP3 Simulations with VIC Model. <i>Water Resources Management</i> , <b>2014</b> , 28, 3291-3305	3.7	20
123	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. <i>Remote Sensing</i> , <b>2017</b> , 9, 1142	5	19
122	A comprehensive flash flood defense system in China: overview, achievements, and outlook. <i>Natural Hazards</i> , <b>2018</b> , 92, 727-740	3	19
121	A cascading flash flood guidance system: development and application in Yunnan Province, China. <i>Natural Hazards</i> , <b>2016</b> , 84, 2071-2093	3	19
120	Variational merged of hourly gauge-satellite precipitation in China: Preliminary results. <i>Journal of Geophysical Research D: Atmospheres</i> , <b>2015</b> , 120, 9897-9915	4.4	19
119	Computer Aided Numerical Methods for Hydrological Model Calibration: An Overview and Recent Development. <i>Archives of Computational Methods in Engineering</i> , <b>2019</b> , 26, 35-59	7.8	19
118	The Diurnal Cycle of Precipitation in Regional Spectral Model Simulations over West Africa: Sensitivities to Resolution and Cumulus Schemes. <i>Weather and Forecasting</i> , <b>2015</b> , 30, 424-445	2.1	18
117	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. <i>Remote Sensing</i> , <b>2020</b> , 12, 1258	5	18
116	Investigation of SMAP Active/Passive Downscaling Algorithms Using Combined Sentinel-1 SAR and SMAP Radiometer Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2018</b> , 56, 4906-4918	8.1	18
115	An updated moving window algorithm for hourly-scale satellite precipitation downscaling: A case study in the Southeast Coast of China. <i>Journal of Hydrology</i> , <b>2020</b> , 581, 124378	6	18
114	A Framework to Evaluate Community Resilience to Urban Floods: A Case Study in Three Communities. <i>Sustainability</i> , <b>2020</b> , 12, 1521	3.6	17
113	Study on Applicability of Conceptual Hydrological Models for Flood Forecasting in Humid, Semi-Humid Semi-Arid and Arid Basins in China. <i>Water (Switzerland)</i> , <b>2017</b> , 9, 719	3	17
112	A systematic assessment and reduction of parametric uncertainties for a distributed hydrological model. <i>Journal of Hydrology</i> , <b>2018</b> , 564, 697-711	6	17
111	Bare Surface Soil Moisture Estimation Using Double-Angle and Dual-Polarization L-Band Radar Data. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , <b>2013</b> , 51, 3931-3942	8.1	17
110	Investigation of inducements and defenses of flash floods and urban waterlogging in Fuzhou, China, from 1950 to 2010. <i>Natural Hazards</i> , <b>2018</b> , 91, 803-818	3	16



109	Can Satellite Precipitation Products Estimate Probable Maximum Precipitation: A Comparative Investigation with Gauge Data in the Dadu River Basin. <i>Remote Sensing</i> , <b>2018</b> , 10, 41	5	16
108	Evaluation of the visible and shortwave infrared drought index in China. <i>International Journal of Disaster Risk Science</i> , <b>2013</b> , 4, 68-76	4.6	16
107	Using hydrologic and hydraulically derived geometric parameters of perennial rivers to determine minimum water requirements of ecological habitats (case study: Mazandaran Sea BasinIran). <i>Hydrological Processes</i> , <b>2011</b> , 25, 3490-3498	3.3	16
106	Global water cycle and remote sensing big data: overview, challenge, and opportunities. <i>Big Earth Data</i> , <b>2018</b> , 2, 282-297	4.1	16
105	Investigation of potential sea level rise impact on the Nile Delta, Egypt using digital elevation models. <i>Environmental Monitoring and Assessment</i> , <b>2015</b> , 187, 649	3.1	15
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103	Probabilistic precipitation rate estimates with space-based infrared sensors. <i>Quarterly Journal of the Royal Meteorological Society</i> , <b>2018</b> , 144, 191-205	6.4	15
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