

Xin Li

List of Publications by Year in Descending Order

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Version: 2024-04-27

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

277
papers

10,420
citations

49
h-index

90
g-index

290
ext. papers

13,050
ext. citations

5.4
avg, IF

6.72
L-index

#	Paper	IF	Citations
277	Decadal Changes in Glacier Area, Surface Elevation and Mass Balance for 2000–2020 in the Eastern Tanggula Mountains Using Optical Images and TanDEM-X Radar Data. <i>Remote Sensing</i> , 2022 , 14, 506	5	0
276	Return to normal pre-COVID-19 life is delayed by inequitable vaccine allocation and SARS-CoV-2 variants.. <i>Epidemiology and Infection</i> , 2022 , 1-22	4.3	0
275	Evaluating Distributed Policies for Conjunctive Surface Water-Groundwater Management in Large River Basins: Water Uses Versus Hydrological Impacts. <i>Water Resources Research</i> , 2022 , 58,	5.4	5
274	A novel strategy to assimilate category variables in land-use models based on Dirichlet distribution. <i>Environmental Modelling and Software</i> , 2022 , 149, 105324	5.2	1
273	Quantifying the Representativeness Errors Caused by Scale Transformation of Remote Sensing Data in Stochastic Ensemble Data Assimilation. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2022 , 1-1	4.7	0
272	The contributions of individual factors to the oasis cold island effect intensity in the Heihe River Basin. <i>Agricultural and Forest Meteorology</i> , 2022 , 312, 108706	5.8	0
271	Information geography: The information revolution reshapes geography. <i>Science China Earth Sciences</i> , 2022 , 65, 379	4.6	2
270	Anthropogenic emission is the main contributor to the rise of atmospheric methane during 1993-2017.. <i>National Science Review</i> , 2022 , 9, nwab200	10.8	4
269	New high-resolution estimates of the permafrost thermal state and hydrothermal conditions over the Northern Hemisphere. <i>Earth System Science Data</i> , 2022 , 14, 865-884	10.5	4
268	Arctic amplification modulated by Atlantic Multidecadal Oscillation and greenhouse forcing on multidecadal to century scales.. <i>Nature Communications</i> , 2022 , 13, 1865	17.4	2
267	Satellite-Enabled Internet of Remote Things Network Transmits Field Data from the Most Remote Areas of the Tibetan Plateau. <i>Sensors</i> , 2022 , 22, 3713	3.8	0
266	The joint driving effects of climate and weather changes caused the Chamoli glacier-rock avalanche in the high altitudes of the India Himalaya. <i>Science China Earth Sciences</i> , 2021 , 64, 1909-1921	4.6	5
265	Quantifying Uncertainties in Passive Microwave Remote Sensing of Soil Moisture via a Bayesian Probabilistic Inversion Method. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-1	8.1	0
264	Investigate the relationships between the Aral Sea shrinkage and the expansion of cropland and reservoir in its drainage basins between 2000 and 2020. <i>International Journal of Digital Earth</i> , 2021 , 14, 661-677	3.9	6
263	Effects of farmers' behavioral characteristics on crop choices and responses to water management policies. <i>Agricultural Water Management</i> , 2021 , 247, 106693	5.9	3
262	Merging multiple satellite-based precipitation products and gauge observations using a novel double machine learning approach. <i>Journal of Hydrology</i> , 2021 , 594, 125969	6	24
261	Accounting for field-scale heterogeneity in the ecohydrological modeling of large arid river basins: Strategies and relevance. <i>Journal of Hydrology</i> , 2021 , 595, 126045	6	5

260	Quantifying Overestimated Permafrost Extent Driven by Rock Glacier Inventory. <i>Geophysical Research Letters</i> , 2021 , 48, e2021GL092476	4.9	2
259	The Tibetan Plateau as the engine for Asian environmental change: the Tibetan Plateau Earth system research into a new era. <i>Science Bulletin</i> , 2021 , 66, 1263-1263	10.6	7
258	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 59, 4080-4093	8.1	6
257	National Tibetan Plateau Data Center: Promoting Earth System Science on the Third Pole. <i>Bulletin of the American Meteorological Society</i> , 2021 , 1-43	6.1	8
256	Novel hybrid coupling of ecohydrology and socioeconomy at river basin scale: A watershed system model for the Heihe River basin. <i>Environmental Modelling and Software</i> , 2021 , 141, 105058	5.2	12
255	High agricultural water consumption led to the continued shrinkage of the Aral Sea during 1992-2015. <i>Science of the Total Environment</i> , 2021 , 777, 145993	10.2	9
254	Impact of Initialized Land Surface Temperature and Snowpack on Subseasonal to Seasonal Prediction Project, Phase I (LS4P-I): organization and experimental design. <i>Geoscientific Model Development</i> , 2021 , 14, 4465-4494	6.3	4
253	Mapping the permafrost stability on the Tibetan Plateau for 2005-2015. <i>Science China Earth Sciences</i> , 2021 , 64, 62-79	4.6	30
252	Rapid urbanization and its driving mechanism in the Pan-Third Pole region. <i>Science of the Total Environment</i> , 2021 , 750, 141270	10.2	13
251	Spatial performance of multiple reanalysis precipitation datasets on the southern slope of central Himalaya. <i>Atmospheric Research</i> , 2021 , 250, 105365	5.4	27
250	Evapotranspiration components and water use efficiency from desert to alpine ecosystems in drylands. <i>Agricultural and Forest Meteorology</i> , 2021 , 298-299, 108283	5.8	15
249	Integration of Multisource Data to Estimate Downward Longwave Radiation Based on Deep Neural Networks. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-15	8.1	
248	Mapping High Spatiotemporal-Resolution Soil Moisture by Upscaling Sparse Ground-Based Observations Using a Bayesian Linear Regression Method for Comparison with Microwave Remotely Sensed Soil Moisture Products. <i>Remote Sensing</i> , 2021 , 13, 228	5	1
247	An Advanced Framework for Merging Remotely Sensed Soil Moisture Products at the Regional Scale Supported by Error Structure Analysis: A Case Study on the Tibetan Plateau. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 3614-3624	4.7	1
246	Terrestrial carbon cycle model-data fusion: Progress and challenges. <i>Science China Earth Sciences</i> , 2021 , 64, 1645	4.6	2
245	100 years of lake evolution over the Qinghai-Tibet Plateau. <i>Earth System Science Data</i> , 2021 , 13, 3951-3966.5	6.5	3
244	Biophysical permafrost map indicates ecosystem processes dominate permafrost stability in the Northern Hemisphere. <i>Environmental Research Letters</i> , 2021 , 16, 095010	6.2	3
243	Moderate warming will expand the suitable habitat of <i>Ophiocordyceps sinensis</i> and expand the area of <i>O. sinensis</i> with high adenosine content. <i>Science of the Total Environment</i> , 2021 , 787, 147605	10.2	5

242	i4DVar: An Integral Correcting Four-Dimensional Variational Data Assimilation Method. <i>Earth and Space Science</i> , 2021 , 8, e2021EA001767	3.1	0
241	How reliable are the satellite-based precipitation estimations in guiding hydrological modelling in South China?. <i>Journal of Hydrology</i> , 2021 , 602, 126705	6	4
240	Global NO2 Dynamics During the COVID-19 Pandemic: A Comparison Between Two Waves of the Coronavirus. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2021 , 14, 4310-4320	4.7	4
239	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2021 , 1-14	8.1	1
238	Multi-Source Hydrological Data Products to Monitor High Asian River Basins and Regional Water Security. <i>Remote Sensing</i> , 2021 , 13, 5122	5	
237	Position paper: Sensitivity analysis of spatially distributed environmental models- a pragmatic framework for the exploration of uncertainty sources. <i>Environmental Modelling and Software</i> , 2020 , 134, 104857	5.2	24
236	Addressing the water conflict between agriculture and ecosystems under environmental flow regulation: An integrated modeling study. <i>Environmental Modelling and Software</i> , 2020 , 134, 104874	5.2	9
235	. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 7648-7662	10.7	17
234	A statistical method to construct wind speed at turbine height for study of wind power in China. <i>Theoretical and Applied Climatology</i> , 2020 , 141, 419-432	3	3
233	Using the contact network model and Metropolis-Hastings sampling to reconstruct the COVID-19 spread on the "Diamond Princess". <i>Science Bulletin</i> , 2020 , 65, 1297-1305	10.6	34
232	The Surge of the Hispar Glacier, Central Karakoram: SAR 3-D Flow Velocity Time Series and Thickness Changes. <i>Journal of Geophysical Research: Solid Earth</i> , 2020 , 125, e2019JB018945	3.6	15
231	Permafrost thawing puts the frozen carbon at risk over the Tibetan Plateau. <i>Science Advances</i> , 2020 , 6, eaaz3513	14.3	49
230	Harmonizing models and observations: Data assimilation in Earth system science. <i>Science China Earth Sciences</i> , 2020 , 63, 1059-1068	4.6	16
229	Evaluation of GPM-Era Satellite Precipitation Products on the Southern Slopes of the Central Himalayas Against Rain Gauge Data. <i>Remote Sensing</i> , 2020 , 12, 1836	5	26
228	Interannual Variations of Evapotranspiration and Water Use Efficiency over an Oasis Cropland in Arid Regions of North-Western China. <i>Water (Switzerland)</i> , 2020 , 12, 1239	3	9
227	Investigating the Recent Surge in the Monomah Glacier, Central Kunlun Mountain Range with Multiple Sources of Remote Sensing Data. <i>Remote Sensing</i> , 2020 , 12, 966	5	11
226	Estimation of Shortwave Solar Radiation on Clear-Sky Days for a Valley Glacier with Sentinel-2 Time Series. <i>Remote Sensing</i> , 2020 , 12, 927	5	4
225	A General Parameterization Scheme for the Estimation of Incident Photosynthetically Active Radiation Under Cloudy Skies. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2020 , 58, 6255-6265	8.1	7

224	Glacier Mass Balance in the Nyainqentanglha Mountains between 2000 and 2017 Retrieved from ZiYuan-3 Stereo Images and the SRTM DEM. <i>Remote Sensing</i> , 2020 , 12, 864	5	17
223	Characterizing Surface Albedo of Shallow Fresh Snow and Its Importance for Snow Ablation on the Interior of the Tibetan Plateau. <i>Journal of Hydrometeorology</i> , 2020 , 21, 815-827	3.7	16
222	Land cover mapping toward finer scales. <i>Science Bulletin</i> , 2020 , 65, 1604-1606	10.6	10
221	A mechanistic investigation of the oasis effect in the Zhangye cropland in semiarid western China. <i>Journal of Arid Environments</i> , 2020 , 176, 104120	2.5	5
220	The first high-resolution meteorological forcing dataset for land process studies over China. <i>Scientific Data</i> , 2020 , 7, 25	8.2	261
219	Prediction of the COVID-19 spread in African countries and implications for prevention and control: A case study in South Africa, Egypt, Algeria, Nigeria, Senegal and Kenya. <i>Science of the Total Environment</i> , 2020 , 729, 138959	10.2	105
218	The ERA5-Land soil temperature bias in permafrost regions. <i>Cryosphere</i> , 2020 , 14, 2581-2595	5.5	26
217	Evaluation and integration of the top-down and bottom-up satellite precipitation products over mainland China. <i>Journal of Hydrology</i> , 2020 , 581, 124456	6	20
216	Error Decomposition of Remote Sensing Soil Moisture Products Based on the Triple-Collocation Method Introducing an Unbiased Reference Dataset: A Case Study on the Tibetan Plateau. <i>Remote Sensing</i> , 2020 , 12, 3087	5	2
215	Data-Driven Anomaly Detection Approach for Time-Series Streaming Data. <i>Sensors</i> , 2020 , 20,	3.8	10
214	Spatiotemporal Assessment of Temperature Data Products for the Detection of Warming Trends and Abrupt Transitions over the Largest Irrigated Area of Pakistan. <i>Advances in Meteorology</i> , 2020 , 2020, 1-19	1.7	1
213	LASDU: A Large-Scale Aerial LiDAR Dataset for Semantic Labeling in Dense Urban Areas. <i>ISPRS International Journal of Geo-Information</i> , 2020 , 9, 450	2.9	15
212	Exploring spatial heterogeneity and temporal dynamics of human-hydrological interactions in large river basins with intensive agriculture: A tightly coupled, fully integrated modeling approach. <i>Journal of Hydrology</i> , 2020 , 591, 125313	6	11
211	Characterizing precipitation in high altitudes of the western Tibetan plateau with a focus on major glacier areas. <i>International Journal of Climatology</i> , 2020 , 40, 5114-5127	3.5	25
210	Spatio-Temporal Assessment of Global Precipitation Products over the Largest Agriculture Region in Pakistan. <i>Remote Sensing</i> , 2020 , 12, 3650	5	0
209	Retrieval of High-Resolution Soil Moisture through Combination of Sentinel-1 and Sentinel-2 Data. <i>Remote Sensing</i> , 2020 , 12, 2303	5	24
208	Development of a daily soil moisture product for the period of 2002-2011 in Chinese mainland. <i>Science China Earth Sciences</i> , 2020 , 63, 1113-1125	4.6	21
207	CASEarth Poles: Big Data for the Three Poles. <i>Bulletin of the American Meteorological Society</i> , 2020 , 101, E1475-E1491	6.1	26

206	Sensitivity and Uncertainty Analyses of Flux-based Ecosystem Model towards Improvement of Forest GPP Simulation. <i>Sustainability</i> , 2020 , 12, 2584	3.6	4
205	Estimating surface solar irradiance from satellites: Past, present, and future perspectives. <i>Remote Sensing of Environment</i> , 2019 , 233, 111371	13.2	59
204	Carbon fluxes across alpine, oasis, and desert ecosystems in northwestern China: The importance of water availability. <i>Science of the Total Environment</i> , 2019 , 697, 133978	10.2	14
203	Temporal and Spatial Characteristics of Precipitation and Temperature in Punjab, Pakistan. <i>Water (Switzerland)</i> , 2019 , 11, 1916	3	18
202	No trends in spring and autumn phenology during the global warming hiatus. <i>Nature Communications</i> , 2019 , 10, 2389	17.4	59
201	Energy balance closures in diverse ecosystems of an endorheic river basin. <i>Agricultural and Forest Meteorology</i> , 2019 , 274, 118-131	5.8	12
200	Heterogeneous sea-level rises along coastal zones and small islands. <i>Science Bulletin</i> , 2019 , 64, 748-755	10.6	4
199	TanSat: a new star in global carbon monitoring from China. <i>Science Bulletin</i> , 2019 , 64, 284-285	10.6	9
198	The Discrepancy Between Backscattering Model Simulations and Radar Observations Caused by Scaling Issues: An Uncertainty Analysis. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2019 , 57, 5356-5372	8.1	6
197	Evaluating three satellite-based precipitation products of different spatial resolutions in Shanghai based on upscaling of rain gauge. <i>International Journal of Remote Sensing</i> , 2019 , 40, 5875-5891	3.1	9
196	An Artificial Neural Networks-Based Tree Ring Width Proxy System Model for Paleoclimate Data Assimilation. <i>Journal of Advances in Modeling Earth Systems</i> , 2019 , 11, 892-904	7.1	7
195	Sampling depth of L-band radiometer measurements of soil moisture and freeze-thaw dynamics on the Tibetan Plateau. <i>Remote Sensing of Environment</i> , 2019 , 226, 16-25	13.2	37
194	Improving the prediction accuracy of monthly streamflow using a data-driven model based on a double-processing strategy. <i>Journal of Hydrology</i> , 2019 , 573, 733-745	6	23
193	Improving Estimation of Gross Primary Production in Dryland Ecosystems by a Model-Data Fusion Approach. <i>Remote Sensing</i> , 2019 , 11, 225	5	13
192	Predicting the impacts of climate change, soils and vegetation types on the geographic distribution of <i>Polyporus umbellatus</i> in China. <i>Science of the Total Environment</i> , 2019 , 648, 1-11	10.2	40
191	The Effects of Surface Heterogeneity Scale on the Flux Imbalance under Free Convection. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 8424-8448	4.4	14
190	Tracing Snowmelt Paths in an Integrated Hydrological Model for Understanding Seasonal Snowmelt Contribution at Basin Scale. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 8874-8895	4.4	23
189	Precipitation Variations under a Changing Climate from 1961-2015 in the Source Region of the Indus River. <i>Water (Switzerland)</i> , 2019 , 11, 1366	3	5

188	Internet of Things to network smart devices for ecosystem monitoring. <i>Science Bulletin</i> , 2019 , 64, 1234-1245	12.45	35
187	Improving CHIRPS Daily Satellite-Precipitation Products Using Coarser Ground Observations. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2019 , 16, 1678-1682	4.1	6
186	Annual precipitation and daily extreme precipitation distribution: possible trends from 1960 to 2010 in urban areas of China. <i>Geomatics, Natural Hazards and Risk</i> , 2019 , 10, 1694-1711	3.6	8
185	Extreme rainfall trends of 21 typical urban areas in China during 1998-2015 based on remotely sensed data sets. <i>Environmental Monitoring and Assessment</i> , 2019 , 191, 709	3.1	5
184	Major advances in studies of the physical geography and living environment of China during the past 70 years and future prospects. <i>Science China Earth Sciences</i> , 2019 , 62, 1665-1701	4.6	33
183	Integrated hydrometeorological, snow and frozen-ground observations in the alpine region of the Heihe River Basin, China. <i>Earth System Science Data</i> , 2019 , 11, 1483-1499	10.5	37
182	A 16-year dataset (2000-2015) of high-resolution (3 h, 10 km) global surface solar radiation. <i>Earth System Science Data</i> , 2019 , 11, 1905-1915	10.5	31
181	Introduction to the Water-Soil-Air-Plant-Human Nexus: Modeling and Observing Complex Land Surface Systems at River Basin Scale. <i>Journal of Geophysical Research D: Atmospheres</i> , 2019 , 124, 12375-12379	4.4	2
180	An Adaptive Outlier Detection and Processing Approach Towards Time Series Sensor Data. <i>IEEE Access</i> , 2019 , 7, 175192-175212	3.5	14
179	Watershed System Model: The Essentials to Model Complex Human-Nature System at the River Basin Scale. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 3019-3034	4.4	37
178	Short-term wind speed prediction using an extreme learning machine model with error correction. <i>Energy Conversion and Management</i> , 2018 , 162, 239-250	10.6	77
177	A new moving strategy for the sequential Monte Carlo approach in optimizing the hydrological model parameters. <i>Advances in Water Resources</i> , 2018 , 114, 164-179	4.7	19
176	Hydrological Cycle in the Heihe River Basin and Its Implication for Water Resource Management in Endorheic Basins. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 890-914	4.4	120
175	A comprehensive graphical modeling platform designed for integrated hydrological simulation. <i>Environmental Modelling and Software</i> , 2018 , 108, 154-173	5.2	17
174	Spatial Upscaling of Sparse Soil Moisture Observations Based on Ridge Regression. <i>Remote Sensing</i> , 2018 , 10, 192	5	10
173	Converting UN Sustainable Development Goals (SDGs) to Decision-Making Objectives and Implementation Options at the River Basin Scale. <i>Sustainability</i> , 2018 , 10, 1056	3.6	11
172	Evaluation of the Impact of Water Management Technologies on Water Savings in the Lower Chenab Canal Command Area, Indus River Basin. <i>Water (Switzerland)</i> , 2018 , 10, 681	3	10
171	Assessing the impacts of an ecological water diversion project on water consumption through high-resolution estimations of actual evapotranspiration in the downstream regions of the Heihe River Basin, China. <i>Agricultural and Forest Meteorology</i> , 2018 , 249, 210-227	5.8	37

170	Toward Better Understanding of Terrestrial Processes through Long-Term Hydrological Observatories. <i>Vadose Zone Journal</i> , 2018 , 17, 180194	2.7	17
169	Reconstruction of MODIS Land Surface Temperature Products Based on Multi-Temporal Information. <i>Remote Sensing</i> , 2018 , 10, 1112	5	24
168	The Heihe Integrated Observatory Network: A Basin-Scale Land Surface Processes Observatory in China. <i>Vadose Zone Journal</i> , 2018 , 17, 180072	2.7	147
167	Connections Between a Late Summer Snowstorm Over the Southwestern Tibetan Plateau and a Concurrent Indian Monsoon Low-Pressure System. <i>Journal of Geophysical Research D: Atmospheres</i> , 2018 , 123, 13,676	4.4	6
166	Modeling the Land Use Change in an Arid Oasis Constrained by Water Resources and Environmental Policy Change Using Cellular Automata Models. <i>Sustainability</i> , 2018 , 10, 2878	3.6	13
165	Slower Snowmelt in Spring Along With Climate Warming Across the Northern Hemisphere. <i>Geophysical Research Letters</i> , 2018 , 45, 12,331-12,339	4.9	20
164	Integrating Extended Fourier Amplitude Sensitivity Test and Set Pair Analysis for Sustainable Development Evaluation from the View of Uncertainty Analysis. <i>Sustainability</i> , 2018 , 10, 2435	3.6	5
163	Modeling the distribution of <i>Populus euphratica</i> in the Heihe River Basin, an inland river basin in an arid region of China. <i>Science China Earth Sciences</i> , 2018 , 61, 1669-1684	4.6	11
162	Diurnal Variations of the Flux Imbalance Over Homogeneous and Heterogeneous Landscapes. <i>Boundary-Layer Meteorology</i> , 2018 , 168, 417-442	3.4	22
161	Climate warming over the past half century has led to thermal degradation of permafrost on the Qinghai-Tibet Plateau. <i>Cryosphere</i> , 2018 , 12, 595-608	5.5	110
160	Influences of Topographic Shadows on the Thermal and Hydrological Processes in a Cold Region Mountainous Watershed in Northwest China. <i>Journal of Advances in Modeling Earth Systems</i> , 2018 , 10, 1439-1457	7.1	21
159	High spatio-temporal resolution mapping of soil moisture by integrating wireless sensor network observations and MODIS apparent thermal inertia in the Babao River Basin, China. <i>Remote Sensing of Environment</i> , 2017 , 191, 232-245	13.2	45
158	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 3194-3207	8.1	14
157	Early 21st century glacier thickness changes in the Central Tien Shan. <i>Remote Sensing of Environment</i> , 2017 , 192, 12-29	13.2	33
156	Prediction of the potential geographic distribution of the ectomycorrhizal mushroom <i>Tricholoma matsutake</i> under multiple climate change scenarios. <i>Scientific Reports</i> , 2017 , 7, 46221	4.9	44
155	Mapping daily evapotranspiration based on spatiotemporal fusion of ASTER and MODIS images over irrigated agricultural areas in the Heihe River Basin, Northwest China. <i>Agricultural and Forest Meteorology</i> , 2017 , 244-245, 82-97	5.8	57
154	Modeling forest above-ground biomass dynamics using multi-source data and incorporated models: A case study over the qilian mountains. <i>Agricultural and Forest Meteorology</i> , 2017 , 246, 1-14	5.8	23
153	Block Kriging With Measurement Errors: A Case Study of the Spatial Prediction of Soil Moisture in the Middle Reaches of Heihe River Basin. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 87-91	4.1	6

152	Landscape changes of the Ejin Delta in the Heihe River Basin in Northwest China from 1930 to 2010. <i>International Journal of Remote Sensing</i> , 2017 , 38, 537-557	3.1	11
151	Understanding the Heterogeneity of Soil Moisture and Evapotranspiration Using Multiscale Observations From Satellites, Airborne Sensors, and a Ground-Based Observation Matrix. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2017 , 14, 2132-2136	4.1	13
150	Improving Soil Moisture Estimation with a Dual Ensemble Kalman Smoother by Jointly Assimilating AMSR-E Brightness Temperature and MODIS LST. <i>Remote Sensing</i> , 2017 , 9, 273	5	9
149	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. <i>Remote Sensing</i> , 2017 , 9, 963	5	15
148	Ancient Irrigation Canals Mapped from Corona Imageries and Their Implications in Juyan Oasis along the Silk Road. <i>Sustainability</i> , 2017 , 9, 1283	3.6	9
147	Emerging role of wetland methane emissions in driving 21st century climate change. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017 , 114, 9647-9652	11.5	124
146	New spatial upscaling methods for multi-point measurements: From normal to p-normal. <i>Computers and Geosciences</i> , 2017 , 109, 247-257	4.5	2
145	No Consistent Evidence for Advancing or Delaying Trends in Spring Phenology on the Tibetan Plateau. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2017 , 122, 3288-3305	3.7	28
144	A multiscale dataset for understanding complex eco-hydrological processes in a heterogeneous oasis system. <i>Scientific Data</i> , 2017 , 4, 170083	8.2	82
143	. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2017 , 55, 1025-1038	8.1	13
142	Strengths and weaknesses of temporal stability analysis for monitoring and estimating grid-mean soil moisture in a high-intensity irrigated agricultural landscape. <i>Water Resources Research</i> , 2017 , 53, 283-301	5.4	15
141	Influences of Frozen Ground and Climate Change on Hydrological Processes in an Alpine Watershed: A Case Study in the Upstream Area of the Hei'he River, Northwest China. <i>Permafrost and Periglacial Processes</i> , 2017 , 28, 420-432	4.2	34
140	SWAT-Based Hydrological Data Assimilation System (SWAT-HDAS): Description and Case Application to River Basin-Scale Hydrological Predictions. <i>Journal of Advances in Modeling Earth Systems</i> , 2017 , 9, 2863-2882	7.1	14
139	Formulation of scale transformation in a stochastic data assimilation framework. <i>Nonlinear Processes in Geophysics</i> , 2017 , 24, 279-291	2.9	6
138	Impact Analysis of Climate Change on Snow over a Complex Mountainous Region Using Weather Research and Forecast Model (WRF) Simulation and Moderate Resolution Imaging Spectroradiometer Data (MODIS)-Terra Fractional Snow Cover Products. <i>Remote Sensing</i> , 2017 , 9, 774	5	6
137	Multi-Scale Validation of SMAP Soil Moisture Products over Cold and Arid Regions in Northwestern China Using Distributed Ground Observation Data. <i>Remote Sensing</i> , 2017 , 9, 327	5	33
136	Detecting Sustainability of Desertification Reversion: Vegetation Trend Analysis in Part of the Agro-Pastoral Transitional Zone in Inner Mongolia, China. <i>Sustainability</i> , 2017 , 9, 211	3.6	10
135	Weight Determination of Sustainable Development Indicators Using a Global Sensitivity Analysis Method. <i>Sustainability</i> , 2017 , 9, 303	3.6	16

134	Mapping the Soil Texture in the Heihe River Basin Based on Fuzzy Logic and Data Fusion. <i>Sustainability</i> , 2017 , 9, 1246	3.6	7
133	Progress in the study of oasis-desert interactions. <i>Agricultural and Forest Meteorology</i> , 2016 , 230-231, 1-7	5.8	49
132	Paleoclimate data assimilation: Its motivation, progress and prospects. <i>Science China Earth Sciences</i> , 2016 , 59, 1817-1826	4.6	9
131	A comparison of two photosynthesis parameterization schemes for an alpine meadow site on the Qinghai-Tibetan Plateau. <i>Theoretical and Applied Climatology</i> , 2016 , 126, 751-764	3	3
130	Evaluating the complementary relationship for estimating evapotranspiration using the multi-site data across north China. <i>Agricultural and Forest Meteorology</i> , 2016 , 230-231, 33-44	5.8	15
129	Representativeness errors of point-scale ground-based solar radiation measurements in the validation of remote sensing products. <i>Remote Sensing of Environment</i> , 2016 , 181, 198-206	13.2	51
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3	Correction of systematic model forcing bias of CLM using assimilation of cosmic-ray neutrons and land surface temperature: a study in the Heihe catchment, China		1
2	Climate warming has led to the degradation of permafrost stability in the past half century over the Qinghai-Tibet Plateau		3
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