

List of Publications by Citations

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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	The Randolph Glacier Inventory: a globally complete inventory of glaciers. <i>Journal of Glaciology</i> , 2014 , 60, 537-552	3.4	669
276	Heihe Watershed Allied Telemetry Experimental Research (HiWATER): Scientific Objectives and Experimental Design. <i>Bulletin of the American Meteorological Society</i> , 2013 , 94, 1145-1160	6.1	572
275	Integrated study of the water-ecosystem-economy in the Heihe River Basin. <i>National Science Review</i> , 2014 , 1, 413-428	10.8	324
274	The first high-resolution meteorological forcing dataset for land process studies over China. <i>Scientific Data</i> , 2020 , 7, 25	8.2	261
273	Cryospheric change in China. <i>Global and Planetary Change</i> , 2008 , 62, 210-218	4.2	251
272	Watershed Allied Telemetry Experimental Research. <i>Journal of Geophysical Research</i> , 2009 , 114,		242
271	Snow depth derived from passive microwave remote-sensing data in China. <i>Annals of Glaciology</i> , 2008 , 49, 145-154	2.5	221
270	Intercomparison of surface energy flux measurement systems used during the HiWATER-MUSOEXE. <i>Journal of Geophysical Research D: Atmospheres</i> , 2013 , 118, 13,140-13,157	4.4	198
269	Comparison of satellite-based evapotranspiration models over terrestrial ecosystems in China. <i>Remote Sensing of Environment</i> , 2014 , 140, 279-293	13.2	166
268	Permafrost and climatic change in China. <i>Global and Planetary Change</i> , 2000 , 26, 387-404	4.2	163
267	Quantifying landscape structure of the Heihe River Basin, north-west China using FRAGSTATS. <i>Journal of Arid Environments</i> , 2001 , 48, 521-535	2.5	160
266	Large-scale land cover mapping with the integration of multi-source information based on the Dempster-Bafer theory. <i>International Journal of Geographical Information Science</i> , 2012 , 26, 169-191	4.1	154
265	Distribution of Permafrost in China: An Overview of Existing Permafrost Maps. <i>Permafrost and Periglacial Processes</i> , 2012 , 23, 322-333	4.2	151
264	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
263	Evaluation of four remote sensing based land cover products over China. <i>International Journal of Remote Sensing</i> , 2010 , 31, 391-401	3.1	134
262	Turbulent Flux Transfer over Bare-Soil Surfaces: Characteristics and Parameterization. <i>Journal of Applied Meteorology and Climatology</i> , 2008 , 47, 276-290	2.7	131
261	Auto-calibration System Developed to Assimilate AMSR-E Data into a Land Surface Model for Estimating Soil Moisture and the Surface Energy Budget. <i>Journal of the Meteorological Society of Japan</i> , 2007 , 85A, 229-242	2.8	131

260	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
259	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
258	Parameter sensitivity analysis of crop growth models based on the extended Fourier Amplitude Sensitivity Test method. <i>Environmental Modelling and Software</i> , 2013 , 48, 171-182	5.2	112
257	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
256	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
255	Simulating California reservoir operation using the classification and regression-tree algorithm combined with a shuffled cross-validation scheme. <i>Water Resources Research</i> , 2016 , 52, 1626-1651	5.4	94
254	. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 2015-2019	4.1	87
253	Retrieving soil temperature profile by assimilating MODIS LST products with ensemble Kalman filter. <i>Remote Sensing of Environment</i> , 2008 , 112, 1320-1336	13.2	86
252	Landscape evolution in the middle Heihe River Basin of north-west China during the last decade. <i>Journal of Arid Environments</i> , 2003 , 53, 395-408	2.5	86
251	Experiments of one-dimensional soil moisture assimilation system based on ensemble Kalman filter. <i>Remote Sensing of Environment</i> , 2008 , 112, 888-900	13.2	84
250	A multiscale dataset for understanding complex eco-hydrological processes in a heterogeneous oasis system. <i>Scientific Data</i> , 2017 , 4, 170083	8.2	82
249	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
248	Estimating near future regional corn yields by integrating multi-source observations into a crop growth model. <i>European Journal of Agronomy</i> , 2013 , 49, 126-140	5	77
247	Changes in the near-surface soil freeze-thaw cycle on the Qinghai-Tibetan Plateau. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2012 , 17, 33-42	7.3	75
246	A simplified data assimilation method for reconstructing time-series MODIS NDVI data. <i>Advances in Space Research</i> , 2009 , 44, 501-509	2.4	68
245	A GIS-aided response model of high-altitude permafrost to global change. <i>Science in China Series D: Earth Sciences</i> , 1999 , 42, 72-79		66
244	An evaluation of the nonlinear/non-Gaussian filters for the sequential data assimilation. <i>Remote Sensing of Environment</i> , 2008 , 112, 1434-1449	13.2	65
243	A decision tree algorithm for surface soil freeze/thaw classification over China using SSM/I brightness temperature. <i>Remote Sensing of Environment</i> , 2009 , 113, 2651-2660	13.2	61

242	Frozen soil parameterization in SiB2 and its validation with GAME-Tibet observations. <i>Cold Regions Science and Technology</i> , 2003 , 36, 165-182	3.8	61
241	Estimating surface solar irradiance from satellites: Past, present, and future perspectives. <i>Remote Sensing of Environment</i> , 2019 , 233, 111371	13.2	59
240	No trends in spring and autumn phenology during the global warming hiatus. <i>Nature Communications</i> , 2019 , 10, 2389	17.4	59
239	Impact of land use change on water resource allocation in the middle reaches of the Heihe River Basin in northwestern China. <i>Journal of Arid Land</i> , 2014 , 6, 273-286	2.2	59
238	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
237	Integrated research methods in watershed science. <i>Science China Earth Sciences</i> , 2015 , 58, 1159-1168	4.6	56
236	Assimilating passive microwave remote sensing data into a land surface model to improve the estimation of snow depth. <i>Remote Sensing of Environment</i> , 2014 , 143, 54-63	13.2	56
235	A Decision Support System for irrigation water allocation along the middle reaches of the Heihe River Basin, Northwest China. <i>Environmental Modelling and Software</i> , 2013 , 47, 182-192	5.2	55
234	Dynamic downscaling of near-surface air temperature at the basin scale using WRF-a case study in the Heihe River Basin, China. <i>Frontiers of Earth Science</i> , 2012 , 6, 314-323	1.7	55
233	Estimating actual evapotranspiration from an alpine grassland on Qinghai-Tibetan plateau using a two-source model and parameter uncertainty analysis by Bayesian approach. <i>Journal of Hydrology</i> , 2013 , 476, 42-51	6	55
232	Estimation of surface soil moisture and roughness from multi-angular ASAR imagery in the Watershed Allied Telemetry Experimental Research (WATER). <i>Hydrology and Earth System Sciences</i> , 2011 , 15, 1415-1426	5.5	54
231	Enhancement of land surface information and its impact on atmospheric modeling in the Heihe River Basin, northwest China. <i>Journal of Geophysical Research</i> , 2008 , 113,		52
230	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
229	A very fast simulated re-annealing (VFSA) approach for land data assimilation. <i>Computers and Geosciences</i> , 2004 , 30, 239-248	4.5	51
228	Permafrost thawing puts the frozen carbon at risk over the Tibetan Plateau. <i>Science Advances</i> , 2020 , 6, eaaz3513	14.3	49
227	Progress in the study of oasis-desert interactions. <i>Agricultural and Forest Meteorology</i> , 2016 , 230-231, 1-7	5.8	49
226	Land Use/Cover Change in the Middle Reaches of the Heihe River Basin over 2000-2011 and Its Implications for Sustainable Water Resource Management. <i>PLoS ONE</i> , 2015 , 10, e0128960	3.7	49
225	Coupling of a simultaneous heat and water model with a distributed hydrological model and evaluation of the combined model in a cold region watershed. <i>Hydrological Processes</i> , 2013 , 27, 3762-3776	3.3	48

224	Numerical Modeling of Wheat Irrigation using Coupled HYDRUS and WOFOST Models. <i>Soil Science Society of America Journal</i> , 2012 , 76, 648-662	2.5	48
223	Characterization, controlling, and reduction of uncertainties in the modeling and observation of land-surface systems. <i>Science China Earth Sciences</i> , 2014 , 57, 80-87	4.6	47
222	A LUT-based approach to estimate surface solar irradiance by combining MODIS and MTSAT data. <i>Journal of Geophysical Research</i> , 2011 , 116, n/a-n/a		47
221	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
220	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
219	Validation of MODIS-GPP product at 10 flux sites in northern China. <i>International Journal of Remote Sensing</i> , 2013 , 34, 587-599	3.1	44
218	Simultaneously assimilating multivariate data sets into the two-source evapotranspiration model by Bayesian approach: application to spring maize in an arid region of northwestern China. <i>Geoscientific Model Development</i> , 2014 , 7, 1467-1482	6.3	42
217	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
216	Monitoring the frozen duration of Qinghai Lake using satellite passive microwave remote sensing low frequency data. <i>Science Bulletin</i> , 2009 , 54, 2294-2299		39
215	Spatial Analysis of Air Temperature in the Qinghai-Tibet Plateau. <i>Arctic, Antarctic, and Alpine Research</i> , 2005 , 37, 246-252	1.8	39
214	Sampling design optimization of a wireless sensor network for monitoring ecohydrological processes in the Babao River basin, China. <i>International Journal of Geographical Information Science</i> , 2015 , 29, 92-110	4.1	38
213	Preface "Observing and modeling the catchment scale water cycle". <i>Hydrology and Earth System Sciences</i> , 2011 , 15, 597-601	5.5	38
212	Seasonal fluctuations and temperature dependence in photosynthetic parameters and stomatal conductance at the leaf scale of <i>Populus euphratica</i> Oliv. <i>Tree Physiology</i> , 2011 , 31, 178-95	4.2	38
211	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
210	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
209	Using data assimilation method to calibrate a heterogeneous conductivity field and improve solute transport prediction with an unknown contamination source. <i>Stochastic Environmental Research and Risk Assessment</i> , 2009 , 23, 1155-1167	3.5	37
208	Toward an improved data stewardship and service for environmental and ecological science data in West China. <i>International Journal of Digital Earth</i> , 2011 , 4, 347-359	3.9	37
207	Glacier area changes in the Pumqu river basin, Tibetan Plateau, between the 1970s and 2001. <i>Journal of Glaciology</i> , 2005 , 51, 607-610	3.4	37

206	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
205	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
204	. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2015 , 12, 92-96	4.1	36
203	Internet of Things to network smart devices for ecosystem monitoring. <i>Science Bulletin</i> , 2019 , 64, 1234-1245	12.45	35
202	Estimating montane forest above-ground biomass in the upper reaches of the Heihe River Basin using Landsat-TM data. <i>International Journal of Remote Sensing</i> , 2014 , 35, 7339-7362	3.1	35
201	Modelling irrigated maize with a combination of coupled-model simulation and uncertainty analysis, in the northwest of China. <i>Hydrology and Earth System Sciences</i> , 2012 , 16, 1465-1480	5.5	35
200	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
199	Influences of Frozen Ground and Climate Change on Hydrological Processes in an Alpine Watershed: A Case Study in the Upstream Area of the Heihe River, Northwest China. <i>Permafrost and Periglacial Processes</i> , 2017 , 28, 420-432	4.2	34
198	Hybrid optimal design of the eco-hydrological wireless sensor network in the middle reach of the Heihe River Basin, China. <i>Sensors</i> , 2014 , 14, 19095-114	3.8	34
197	Modification of solar radiation model over rugged terrain. <i>Science Bulletin</i> , 1999 , 44, 1345-1349		34
196	Multi-model ensemble prediction of terrestrial evapotranspiration across north China using Bayesian model averaging. <i>Hydrological Processes</i> , 2016 , 30, 2861-2879	3.3	34
195	Spatial representativeness and uncertainty of eddy covariance carbon flux measurements for upscaling net ecosystem productivity to the grid scale. <i>Agricultural and Forest Meteorology</i> , 2016 , 230-231, 114-127	5.8	34
194	Early 21st century glacier thickness changes in the Central Tien Shan. <i>Remote Sensing of Environment</i> , 2017 , 192, 12-29	13.2	33
193	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
192	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
191	An integrated approach to estimate shortwave solar radiation on clear-sky days in rugged terrain using MODIS atmospheric products. <i>Solar Energy</i> , 2015 , 113, 347-357	6.8	33
190	Impacts and uncertainties of upscaling of remote-sensing data validation for a semi-arid woodland. <i>Journal of Arid Environments</i> , 2008 , 72, 1490-1505	2.5	33
189	Optimal Water Resource Allocation in Arid and Semi-Arid Areas. <i>Water Resources Management</i> , 2008 , 22, 239-258	3.7	33

188	A Global Sensitivity Analysis of Soil Parameters Associated With Backscattering Using the Advanced Integral Equation Model. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2015 , 53, 5613-5623	8.1	32
187	Spatial horizontal correlation characteristics in the land data assimilation of soil moisture. <i>Hydrology and Earth System Sciences</i> , 2012 , 16, 1349-1363	5.5	32
186	Development of a three-dimensional watershed modelling system for water cycle in the middle part of the Heihe rivershed, in the west of China. <i>Hydrological Processes</i> , 2011 , 25, 1964-1978	3.3	32
185	Development of a Chinese land data assimilation system: its progress and prospects. <i>Progress in Natural Science: Materials International</i> , 2007 , 17, 881-892	3.6	32
184	Comparison of Downscaled Precipitation Data over a Mountainous Watershed: A Case Study in the Heihe River Basin. <i>Journal of Hydrometeorology</i> , 2014 , 15, 1560-1574	3.7	31
183	Estimating zero-plane displacement height and aerodynamic roughness length using synthesis of LiDAR and SPOT-5 data. <i>Remote Sensing of Environment</i> , 2011 , 115, 2330-2341	13.2	31
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	Joint Assimilation of Surface Temperature and L-Band Microwave Brightness Temperature in Land Data Assimilation. <i>Vadose Zone Journal</i> , 2013 , 12, vzj2012.0072	2.7	30
180	Mapping the permafrost stability on the Tibetan Plateau for 2005-2015. <i>Science China Earth Sciences</i> , 2021 , 64, 62-79	4.6	30
179	Ejin Oasis Land Use and Vegetation Change between 2000 and 2011: The Role of the Ecological Water Diversion Project. <i>Energies</i> , 2015 , 8, 7040-7057	3.1	29
178	Coupling a groundwater model with a land surface model to improve water and energy cycle simulation. <i>Hydrology and Earth System Sciences</i> , 2012 , 16, 4707-4723	5.5	29
177	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
176	Decision support for dam release during floods using a distributed biosphere hydrological model driven by quantitative precipitation forecasts. <i>Water Resources Research</i> , 2010 , 46,	5.4	28
175	Comparison of ensemble-based state and parameter estimation methods for soil moisture data assimilation. <i>Advances in Water Resources</i> , 2015 , 86, 425-438	4.7	27
174	A Prototype Network for Remote Sensing Validation in China. <i>Remote Sensing</i> , 2015 , 7, 5187-5202	5	27
173	A revised surface resistance parameterisation for estimating latent heat flux from remotely sensed data. <i>International Journal of Applied Earth Observation and Geoinformation</i> , 2012 , 17, 76-84	7.3	27
172	Spatial performance of multiple reanalysis precipitation datasets on the southern slope of central Himalaya. <i>Atmospheric Research</i> , 2021 , 250, 105365	5.4	27
171	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

170	Improving Estimation of Evapotranspiration under Water-Limited Conditions Based on SEBS and MODIS Data in Arid Regions. <i>Remote Sensing</i> , 2015 , 7, 16795-16814	5	26
169	Development of a Satellite Land Data Assimilation System Coupled With a Mesoscale Model in the Tibetan Plateau. <i>IEEE Transactions on Geoscience and Remote Sensing</i> , 2011 , 49, 2847-2862	8.1	26
168	Groundwater response to leakage of surface water through a thick vadose zone in the middle reaches area of Heihe River Basin, in China. <i>Hydrology and Earth System Sciences</i> , 2010 , 14, 639-650	5.5	26
167	Retrieval of snow reflectance from Landsat data in rugged terrain. <i>Annals of Glaciology</i> , 2002 , 34, 31-37	2.5	26
166	The ERA5-Land soil temperature bias in permafrost regions. <i>Cryosphere</i> , 2020 , 14, 2581-2595	5.5	26
165	CASEarth Poles: Big Data for the Three Poles. <i>Bulletin of the American Meteorological Society</i> , 2020 , 101, E1475-E1491	6.1	26
164	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
163	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
162	Improving the estimation of hydrological states in the SWAT model via the ensemble Kalman smoother: Synthetic experiments for the Heihe River Basin in northwest China. <i>Advances in Water Resources</i> , 2014 , 67, 32-45	4.7	24
161	Soil Moisture Estimation Using Cosmic-Ray Soil Moisture Sensing at Heterogeneous Farmland. <i>IEEE Geoscience and Remote Sensing Letters</i> , 2014 , 11, 1659-1663	4.1	24
160	Retrieval of High-Resolution Soil Moisture through Combination of Sentinel-1 and Sentinel-2 Data. <i>Remote Sensing</i> , 2020 , 12, 2303	5	24
159	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
158	High resolution surface radiation products for studies of regional energy, hydrologic and ecological processes over Heihe river basin, northwest China. <i>Agricultural and Forest Meteorology</i> , 2016 , 230-231, 67-78	5.8	24
157	Reconstruction of MODIS Land Surface Temperature Products Based on Multi-Temporal Information. <i>Remote Sensing</i> , 2018 , 10, 1112	5	24
156	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
155	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
154	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
153	Assimilating multi-source data into land surface model to simultaneously improve estimations of soil moisture, soil temperature, and surface turbulent fluxes in irrigated fields. <i>Agricultural and Forest Meteorology</i> , 2016 , 230-231, 142-156	5.8	23

152	Remote Sensing of the Mean Annual Surface Temperature and Surface Frost Number for Mapping Permafrost in China. <i>Arctic, Antarctic, and Alpine Research</i> , 2015 , 47, 255-265	1.8	22
151	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. <i>Hydrology and Earth System Sciences</i> , 2015 , 19, 615-629	5.5	22
150	Diurnal Variations of the Flux Imbalance Over Homogeneous and Heterogeneous Landscapes. <i>Boundary-Layer Meteorology</i> , 2018 , 168, 417-442	3.4	22
149	Mapping Surface Soil Freeze-Thaw Cycles in China Based on SMMR and SSM/I Brightness Temperatures from 1978 to 2008. <i>Arctic, Antarctic, and Alpine Research</i> , 2015 , 47, 213-229	1.8	21
148	Assimilating Doppler radar radial velocity and reflectivity observations in the weather research and forecasting model by a proper orthogonal-decomposition-based ensemble, three-dimensional variational assimilation method. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		21
147	The Prediction of Permafrost Change along the Qinghai-Tibet Highway, China. <i>Permafrost and Periglacial Processes</i> , 2000 , 11, 371-376	4.2	21
146	Validation of Regional-Scale Remote Sensing Products in China: From Site to Network. <i>Remote Sensing</i> , 2016 , 8, 980	5	21
145	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
144	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
143	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
142	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
141	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
140	Coupling a SVAT heat and water flow model, a stomatal-photosynthesis model and a crop growth model to simulate energy, water and carbon fluxes in an irrigated maize ecosystem. <i>Agricultural and Forest Meteorology</i> , 2013 , 176, 10-24	5.8	19
139	Development and Evaluation of a River-Basin-Scale High Spatio-Temporal Precipitation Data Set Using the WRF Model: A Case Study of the Heihe River Basin. <i>Remote Sensing</i> , 2015 , 7, 9230-9252	5	19
138	Temporal and Spatial Characteristics of Precipitation and Temperature in Punjab, Pakistan. <i>Water (Switzerland)</i> , 2019 , 11, 1916	3	18
137	. <i>IEEE Internet of Things Journal</i> , 2020 , 7, 7648-7662	10.7	17
136	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
135	A comprehensive graphical modeling platform designed for integrated hydrological simulation. <i>Environmental Modelling and Software</i> , 2018 , 108, 154-173	5.2	17

134	Analysing the forcing mechanisms for net primary productivity changes in the Heihe River Basin, north-west China. <i>International Journal of Remote Sensing</i> , 2009 , 30, 793-816	3.1	17
133	Two-dimensional coupled mathematical modeling of fluvial processes with intense sediment transport and rapid bed evolution 2008 , 51, 1427-1438		17
132	Toward Better Understanding of Terrestrial Processes through Long-Term Hydrological Observatories. <i>Vadose Zone Journal</i> , 2018 , 17, 180194	2.7	17
131	Harmonizing models and observations: Data assimilation in Earth system science. <i>Science China Earth Sciences</i> , 2020 , 63, 1059-1068	4.6	16
130	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
129	Modelling evapotranspiration in an alpine grassland ecosystem on Qinghai-Tibetan plateau. <i>Hydrological Processes</i> , 2014 , 28, 610-619	3.3	16
128	Weight Determination of Sustainable Development Indicators Using a Global Sensitivity Analysis Method. <i>Sustainability</i> , 2017 , 9, 303	3.6	16
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