Xin Li

List of Publications by Year in descending order

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283	15,495	20797 60	24961 109
papers	citations	h-index	g-index

290	290	290	11643
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The Randolph Glacier Inventory: a globally complete inventory of glaciers. Journal of Glaciology, 2014, 60, 537-552.	1.1	895
2	The first high-resolution meteorological forcing dataset for land process studies over China. Scientific Data, 2020, 7, 25.	2.4	712
3	Heihe Watershed Allied Telemetry Experimental Research (HiWATER): Scientific Objectives and Experimental Design. Bulletin of the American Meteorological Society, 2013, 94, 1145-1160.	1.7	705
4	Integrated study of the waterâ€“ecosystemâ€“economy in the Heihe River Basin. National Science Review, 2014, 1, 413-428.	4.6	414
5	Cryospheric change in China. Global and Planetary Change, 2008, 62, 210-218.	1.6	307
6	Snow depth derived from passive microwave remote-sensing data in China. Annals of Glaciology, 2008, 49, 145-154.	2.8	305
7	Watershed Allied Telemetry Experimental Research. Journal of Geophysical Research, 2009, 114, .	3.3	295
8	The Heihe Integrated Observatory Network: A Basinâ€Scale Land Surface Processes Observatory in China. Vadose Zone Journal, 2018, 17, 1-21.	1.3	258
9	Intercomparison of surface energy flux measurement systems used during the HiWATERâ€MUSOEXE. Journal of Geophysical Research D: Atmospheres, 2013, 118, 13,140.	1.2	239
10	Permafrost and climatic change in China. Global and Planetary Change, 2000, 26, 387-404.	1.6	220
11	Climate warming over the past half century has led to thermal degradation of permafrost on the Qinghaiâ€“Tibet Plateau. Cryosphere, 2018, 12, 595-608.	1.5	219
12	Comparison of satellite-based evapotranspiration models over terrestrial ecosystems in China. Remote Sensing of Environment, 2014, 140, 279-293.	4.6	217
13	Large-scale land cover mapping with the integration of multi-source information based on the Dempsterâ€“Shafer theory. International Journal of Geographical Information Science, 2012, 26, 169-191.	2.2	213
14	Distribution of Permafrost in China: An Overview of Existing Permafrost Maps. Permafrost and Periglacial Processes, 2012, 23, 322-333.	1.5	210
15	Emerging role of wetland methane emissions in driving 21st century climate change. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 9647-9652.	3.3	201
16	Evaluation of four remote sensing based land cover products over China. International Journal of Remote Sensing, 2010, 31, 391-401.	1.3	193
17	Hydrological Cycle in the Heihe River Basin and Its Implication for Water Resource Management in Endorheic Basins. Journal of Geophysical Research D: Atmospheres, 2018, 123, 890-914.	1.2	189
18	Quantifying landscape structure of the Heihe River Basin, north-west China using FRAGSTATS. Journal of Arid Environments, 2001, 48, 521-535.	1.2	182

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19	Turbulent Flux Transfer over Bare-Soil Surfaces: Characteristics and Parameterization. Journal of Applied Meteorology and Climatology, 2008, 47, 276-290.	0.6	163
20	Auto-calibration System Developed to Assimilate AMSR-E Data into a Land Surface Model for Estimating Soil Moisture and the Surface Energy Budget. Journal of the Meteorological Society of Japan, 2007, 85A, 229-242.	0.7	155
21	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. Science of the Total Environment, 2020, 729, 138959.	3.9	152
22	Parameter sensitivity analysis of crop growth models based on the extended Fourier Amplitude Sensitivity Test method. Environmental Modelling and Software, 2013, 48, 171-182.	1.9	145
23	Simulating California reservoir operation using the classification and regressionâ€tree algorithm combined with a shuffled crossâ€validation scheme. Water Resources Research, 2016, 52, 1626-1651.	1.7	135
24	No trends in spring and autumn phenology during the global warming hiatus. Nature Communications, 2019, 10, 2389.	5.8	129
25	Estimating near future regional corn yields by integrating multi-source observations into a crop growth model. European Journal of Agronomy, 2013, 49, 126-140.	1.9	120
26	Permafrost thawing puts the frozen carbon at risk over the Tibetan Plateau. Science Advances, 2020, 6, eaaz3513.	4.7	117
27	Mapping the permafrost stability on the Tibetan Plateau for 2005â€“2015. Science China Earth Sciences, 2021, 64, 62-79.	2.3	114
28	Retrieving soil temperature profile by assimilating MODIS LST products with ensemble Kalman filter. Remote Sensing of Environment, 2008, 112, 1320-1336.	4.6	113
29	Short-term wind speed prediction using an extreme learning machine model with error correction. Energy Conversion and Management, 2018, 162, 239-250.	4.4	111
30	A multiscale dataset for understanding complex eco-hydrological processes in a heterogeneous oasis system. Scientific Data, 2017, 4, 170083.	2.4	109
31	Estimating surface solar irradiance from satellites: Past, present, and future perspectives. Remote Sensing of Environment, 2019, 233, 111371.	4.6	109
32	A Nested Ecohydrological Wireless Sensor Network for Capturing the Surface Heterogeneity in the Midstream Areas of the Heihe River Basin, China. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 2015-2019.	1.4	104
33	Experiments of one-dimensional soil moisture assimilation system based on ensemble Kalman filter. Remote Sensing of Environment, 2008, 112, 888-900.	4.6	98
34	Landscape evolution in the middle Heihe River Basin of north-west China during the last decade. Journal of Arid Environments, 2003, 53, 395-408.	1.2	93
35	A GIS-aided response model of high-altitude permafrost to global change. Science in China Series D: Earth Sciences, 1999, 42, 72-79.	0.9	88
36	A decision tree algorithm for surface soil freeze/thaw classification over China using SSM/I brightness temperature. Remote Sensing of Environment, 2009, 113, 2651-2660.	4.6	88

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37	Changes in the near-surface soil freezeâ€“thaw cycle on the Qinghai-Tibetan Plateau. International Journal of Applied Earth Observation and Geoinformation, 2012, 17, 33-42.	1.4	87
38	Spatial performance of multiple reanalysis precipitation datasets on the southern slope of central Himalaya. Atmospheric Research, 2021, 250, 105365.	1.8	86
39	The ERA5-Land soil temperature bias in permafrost regions. Cryosphere, 2020, 14, 2581-2595.	1.5	85
40	Merging multiple satellite-based precipitation products and gauge observations using a novel double machine learning approach. Journal of Hydrology, 2021, 594, 125969.	2.3	79
41	Integrated hydrometeorological, snow and frozen-ground observations in the alpine region of the Heihe River Basin, China. Earth System Science Data, 2019, 11, 1483-1499.	3.7	79
42	A simplified data assimilation method for reconstructing time-series MODIS NDVI data. Advances in Space Research, 2009, 44, 501-509.	1.2	77
43	Impact of land use change on water resource allocation in the middle reaches of the Heihe River Basin in northwestern China. Journal of Arid Land, 2014, 6, 273-286.	0.9	76
44	Representativeness errors of point-scale ground-based solar radiation measurements in the validation of remote sensing products. Remote Sensing of Environment, 2016, 181, 198-206.	4.6	76
45	An evaluation of the nonlinear/non-Gaussian filters for the sequential data assimilation. Remote Sensing of Environment, 2008, 112, 1434-1449.	4.6	75
46	Assimilating passive microwave remote sensing data into a land surface model to improve the estimation of snow depth. Remote Sensing of Environment, 2014, 143, 54-63.	4.6	75
47	Integrated research methods in watershed science. Science China Earth Sciences, 2015, 58, 1159-1168.	2.3	75
48	Estimating actual evapotranspiration from an alpine grassland on Qinghai-Tibetan plateau using a two-source model and parameter uncertainty analysis by Bayesian approach. Journal of Hydrology, 2013, 476, 42-51.	2.3	73
49	Progress in the study of oasis-desert interactions. Agricultural and Forest Meteorology, 2016, 230-231, 1-7.	1.9	73
50	Frozen soil parameterization in SiB2 and its validation with GAME-Tibet observations. Cold Regions Science and Technology, 2003, 36, 165-182.	1.6	72
51	Dynamic downscaling of near-surface air temperature at the basin scale using WRF-a case study in the Heihe River Basin, China. Frontiers of Earth Science, 2012, 6, 314-323.	0.9	72
52	Preface "Observing and modeling the catchment scale water cycle". Hydrology and Earth System Sciences, 2011, 15, 597-601.	1.9	69
53	A Decision Support System for irrigation water allocation along the middle reaches of the Heihe River Basin, Northwest China. Environmental Modelling and Software, 2013, 47, 182-192.	1.9	69
54	Mapping daily evapotranspiration based on spatiotemporal fusion of ASTER and MODIS images over irrigated agricultural areas in the Heihe River Basin, Northwest China. Agricultural and Forest Meteorology, 2017, 244-245, 82-97.	1.9	69

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55	Predicting the impacts of climate change, soils and vegetation types on the geographic distribution of Polyporus umbellatus in China. Science of the Total Environment, 2019, 648, 1-11.	3.9	69
56	A 16-year dataset (2000â€“2015) of high-resolution (3â€‰h, 10â€‰km) global surface solar radiation. Earth System Science Data, 2019, 11, 1905-1915.	3.7	69
57	New high-resolution estimates of the permafrost thermal state and hydrothermal conditions over the Northern Hemisphere. Earth System Science Data, 2022, 14, 865-884.	3.7	68
58	A very fast simulated re-annealing (VFSA) approach for land data assimilation. Computers and Geosciences, 2004, 30, 239-248.	2.0	66
59	Prediction of the potential geographic distribution of the ectomycorrhizal mushroom Tricholoma matsutake under multiple climate change scenarios. Scientific Reports, 2017, 7, 46221.	1.6	66
60	Characterization, controlling, and reduction of uncertainties in the modeling and observation of land-surface systems. Science China Earth Sciences, 2014, 57, 80-87.	2.3	64
61	Characterizing precipitation in high altitudes of the western Tibetan plateau with a focus on major glacier areas. International Journal of Climatology, 2020, 40, 5114-5127.	1.5	63
62	Evaluation of GPM-Era Satellite Precipitation Products on the Southern Slopes of the Central Himalayas Against Rain Gauge Data. Remote Sensing, 2020, 12, 1836.	1.8	62
63	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. Remote Sensing of Environment, 2017, 191, 232-245.	4.6	60
64	Enhancement of land surface information and its impact on atmospheric modeling in the Heihe River Basin, northwest China. Journal of Geophysical Research, 2008, 113, .	3.3	59
65	Estimation of surface soil moisture and roughness from multi-angular ASAR imagery in the Watershed Allied Telemetry Experimental Research (WATER). Hydrology and Earth System Sciences, 2011, 15, 1415-1426.	1.9	59
66	Coupling of a simultaneous heat and water model with a distributed hydrological model and evaluation of the combined model in a cold region watershed. Hydrological Processes, 2013, 27, 3762-3776.	1.1	59
67	Major advances in studies of the physical geography and living environment of China during the past 70 years and future prospects. Science China Earth Sciences, 2019, 62, 1665-1701.	2.3	58
68	Land Use/Cover Change in the Middle Reaches of the Heihe River Basin over 2000-2011 and Its Implications for Sustainable Water Resource Management. PLoS ONE, 2015, 10, e0128960.	1.1	57
69	Watershed System Model: The Essentials to Model Complex Humanâ€“Nature System at the River Basin Scale. Journal of Geophysical Research D: Atmospheres, 2018, 123, 3019-3034.	1.2	57
70	A LUT-based approach to estimate surface solar irradiance by combining MODIS and MTSAT data. Journal of Geophysical Research, 2011, 116, n/a-n/a.	3.3	56
71	Internet of Things to network smart devices for ecosystem monitoring. Science Bulletin, 2019, 64, 1234-1245.	4.3	56
72	Numerical Modeling of Wheat Irrigation using Coupled HYDRUS and WOFOST Models. Soil Science Society of America Journal, 2012, 76, 648-662.	1.2	54

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73	Validation of MODIS-GPP product at 10 flux sites in northern China. International Journal of Remote Sensing, 2013, 34, 587-599.	1.3	54
74	Sampling depth of L-band radiometer measurements of soil moisture and freeze-thaw dynamics on the Tibetan Plateau. Remote Sensing of Environment, 2019, 226, 16-25.	4.6	54
75	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. Geoscientific Model Development, 2014, 7, 1467-1482.	1.3	53
76	Using the contact network model and Metropolis-Hastings sampling to reconstruct the COVID-19 spread on the â€œDiamond Princessâ€• Science Bulletin, 2020, 65, 1297-1305.	4.3	52
77	Spatial Analysis of Air Temperature in the Qinghai-Tibet Plateau. Arctic, Antarctic, and Alpine Research, 2005, 37, 246-252.	0.4	51
78	CASEarth Poles: Big Data for the Three Poles. Bulletin of the American Meteorological Society, 2020, 101, E1475-E1491.	1.7	51
79	The Tibetan Plateau as the engine for Asian environmental change: the Tibetan Plateau Earth system research into a new era. Science Bulletin, 2021, 66, 1263-1266.	4.3	51
80	Evaluation and integration of the top-down and bottom-up satellite precipitation products over mainland China. Journal of Hydrology, 2020, 581, 124456.	2.3	50
81	Seasonal fluctuations and temperature dependence in photosynthetic parameters and stomatal conductance at the leaf scale of Populus euphratica Oliv.. Tree Physiology, 2011, 31, 178-195.	1.4	49
82	Sampling design optimization of a wireless sensor network for monitoring ecohydrological processes in the Babao River basin, China. International Journal of Geographical Information Science, 2015, 29, 92-110.	2.2	49
83	Retrieval of High-Resolution Soil Moisture through Combination of Sentinel-1 and Sentinel-2 Data. Remote Sensing, 2020, 12, 2303.	1.8	49
84	Comparison of Downscaled Precipitation Data over a Mountainous Watershed: A Case Study in the Heihe River Basin. Journal of Hydrometeorology, 2014, 15, 1560-1574.	0.7	48
85	Multi-Scale Validation of SMAP Soil Moisture Products over Cold and Arid Regions in Northwestern China Using Distributed Ground Observation Data. Remote Sensing, 2017, 9, 327.	1.8	48
86	Monitoring the frozen duration of Qinghai Lake using satellite passive microwave remote sensing low frequency data. Science Bulletin, 2009, 54, 2294-2299.	1.7	47
87	No Consistent Evidence for Advancing or Delaying Trends in Spring Phenology on the Tibetan Plateau. Journal of Geophysical Research G: Biogeosciences, 2017, 122, 3288-3305.	1.3	47
88	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. Permafrost and Periglacial Processes, 2017, 28, 420-432.	1.5	47
89	Regression Kriging-Based Upscaling of Soil Moisture Measurements From a Wireless Sensor Network and Multiresource Remote Sensing Information Over Heterogeneous Cropland. IEEE Geoscience and Remote Sensing Letters, 2015, 12, 92-96.	1.4	46
90	Multi-model ensemble prediction of terrestrial evapotranspiration across north China using Bayesian model averaging. Hydrological Processes, 2016, 30, 2861-2879.	1.1	46

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91	Improving the prediction accuracy of monthly streamflow using a data-driven model based on a double-processing strategy. Journal of Hydrology, 2019, 573, 733-745.	2.3	46
92	Estimation of Global Irrigation Water Use by the Integration of Multiple Satellite Observations. Water Resources Research, 2022, 58, .	1.7	46
93	An integrated approach to estimate shortwave solar radiation on clear-sky days in rugged terrain using MODIS atmospheric products. Solar Energy, 2015, 113, 347-357.	2.9	45
94	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. Agricultural and Forest Meteorology, 2018, 249, 210-227.	1.9	45
95	Glacier area changes in the Pumqu river basin, Tibetan Plateau, between the 1970s and 2001. Journal of Glaciology, 2005, 51, 607-610.	1.1	44
96	Temporal and Spatial Characteristics of Precipitation and Temperature in Punjab, Pakistan. Water (Switzerland), 2019, 11, 1916.	1.2	44
97	Using data assimilation method to calibrate a heterogeneous conductivity field and improve solute transport prediction with an unknown contamination source. Stochastic Environmental Research and Risk Assessment, 2009, 23, 1155-1167.	1.9	43
98	A Global Sensitivity Analysis of Soil Parameters Associated With Backscattering Using the Advanced Integral Equation Model. IEEE Transactions on Geoscience and Remote Sensing, 2015, 53, 5613-5623.	2.7	43
99	Spatial representativeness and uncertainty of eddy covariance carbon flux measurements for upscaling net ecosystem productivity to the grid scale. Agricultural and Forest Meteorology, 2016, 230-231, 114-127.	1.9	42
100	Early 21st century glacier thickness changes in the Central Tien Shan. Remote Sensing of Environment, 2017, 192, 12-29.	4.6	42
101	Drone-Enabled Internet-of-Things Relay for Environmental Monitoring in Remote Areas Without Public Networks. IEEE Internet of Things Journal, 2020, 7, 7648-7662.	5.5	42
102	Rapid urbanization and its driving mechanism in the Pan-Third Pole region. Science of the Total Environment, 2021, 750, 141270.	3.9	42
103	Development of a Chinese land data assimilation system: its progress and prospects. Progress in Natural Science: Materials International, 2007, 17, 881-892.	1.8	41
104	Impacts and uncertainties of upscaling of remote-sensing data validation for a semi-arid woodland. Journal of Arid Environments, 2008, 72, 1490-1505.	1.2	41
105	Modelling irrigated maize with a combination of coupled-model simulation and uncertainty analysis, in the northwest of China. Hydrology and Earth System Sciences, 2012, 16, 1465-1480.	1.9	41
106	Characterizing Surface Albedo of Shallow Fresh Snow and Its Importance for Snow Ablation on the Interior of the Tibetan Plateau. Journal of Hydrometeorology, 2020, 21, 815-827.	0.7	41
107	Estimating zero-plane displacement height and aerodynamic roughness length using synthesis of LiDAR and SPOT-5 data. Remote Sensing of Environment, 2011, 115, 2330-2341.	4.6	40
108	Toward an improved data stewardship and service for environmental and ecological science data in West China. International Journal of Digital Earth, 2011, 4, 347-359.	1.6	40

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109	Estimating montane forest above-ground biomass in the upper reaches of the Heihe River Basin using Landsat-TM data. International Journal of Remote Sensing, 2014, 35, 7339-7362.	1.3	40
110	Slower Snowmelt in Spring Along With Climate Warming Across the Northern Hemisphere. Geophysical Research Letters, 2018, 45, 12,331.	1.5	40
111	Tracing Snowmelt Paths in an Integrated Hydrological Model for Understanding Seasonal Snowmelt Contribution at Basin Scale. Journal of Geophysical Research D: Atmospheres, 2019, 124, 8874-8895.	1.2	40
112	LASDU: A Large-Scale Aerial LiDAR Dataset for Semantic Labeling in Dense Urban Areas. ISPRS International Journal of Geo-Information, 2020, 9, 450.	1.4	40
113	Development of a daily soil moisture product for the period of 2002â€“2011 in Chinese mainland. Science China Earth Sciences, 2020, 63, 1113-1125.	2.3	40
114	Modification of solar radiation model over rugged terrain. Science Bulletin, 1999, 44, 1345-1349.	1.7	38
115	Optimal Water Resource Allocation in Arid and Semi-Arid Areas. Water Resources Management, 2008, 22, 239-258.	1.9	37
116	Coupling a groundwater model with a land surface model to improve water and energy cycle simulation. Hydrology and Earth System Sciences, 2012, 16, 4707-4723.	1.9	37
117	Hybrid Optimal Design of the Eco-Hydrological Wireless Sensor Network in the Middle Reach of the Heihe River Basin, China. Sensors, 2014, 14, 19095-19114.	2.1	37
118	Decision support for dam release during floods using a distributed biosphere hydrological model driven by quantitative precipitation forecasts. Water Resources Research, 2010, 46, .	1.7	36
119	Development of a threeâ€dimensional watershed modelling system for water cycle in the middle part of the Heihe rivershed, in the west of China. Hydrological Processes, 2011, 25, 1964-1978.	1.1	36
120	Assimilating multi-source data into land surface model to simultaneously improve estimations of soil moisture, soil temperature, and surface turbulent fluxes in irrigated fields. Agricultural and Forest Meteorology, 2016, 230-231, 142-156.	1.9	36
121	Influences of Topographic Shadows on the Thermal and Hydrological Processes in a Cold Region Mountainous Watershed in Northwest China. Journal of Advances in Modeling Earth Systems, 2018, 10, 1439-1457.	1.3	36
122	Novel hybrid coupling of ecohydrology and socioeconomy at river basin scale: A watershed system model for the Heihe River basin. Environmental Modelling and Software, 2021, 141, 105058.	1.9	36
123	High agricultural water consumption led to the continued shrinkage of the Aral Sea during 1992â€“2015. Science of the Total Environment, 2021, 777, 145993.	3.9	36
124	Spatial horizontal correlation characteristics in the land data assimilation of soil moisture. Hydrology and Earth System Sciences, 2012, 16, 1349-1363.	1.9	35
125	Joint Assimilation of Surface Temperature and Lâ€Band Microwave Brightness Temperature in Land Data Assimilation. Vadose Zone Journal, 2013, 12, 1-16.	1.3	35
126	Toward Better Understanding of Terrestrial Processes through Longâ€Term Hydrological Observatories. Vadose Zone Journal, 2018, 17, 1-10.	1.3	35

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127	Position paper: Sensitivity analysis of spatially distributed environmental models- a pragmatic framework for the exploration of uncertainty sources. Environmental Modelling and Software, 2020, 134, 104857.	1.9	35
128	Advancing landscape sustainability science: theoretical foundation and synergies with innovations in methodology, design, and application. Landscape Ecology, 2020, 35, 1-9.	1.9	35
129	Improving Estimation of Evapotranspiration under Water-Limited Conditions Based on SEBS and MODIS Data in Arid Regions. Remote Sensing, 2015, 7, 16795-16814.	1.8	34
130	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. Advances in Water Resources, 2014, 67, 32-45.	1.7	33
131	An Adaptive Outlier Detection and Processing Approach Towards Time Series Sensor Data. IEEE Access, 2019, 7, 175192-175212.	2.6	33
132	Retrieval of snow reflectance from Landsat data in rugged terrain. Annals of Glaciology, 2002, 34, 31-37.	2.8	32
133	Soil Moisture Estimation Using Cosmic-Ray Soil Moisture Sensing at Heterogeneous Farmland. IEEE Geoscience and Remote Sensing Letters, 2014, 11, 1659-1663.	1.4	32
134	Ejin Oasis Land Use and Vegetation Change between 2000 and 2011: The Role of the Ecological Water Diversion Project. Energies, 2015, 8, 7040-7057.	1.6	32
135	Modeling forest above-ground biomass dynamics using multi-source data and incorporated models: A case study over the qilian mountains. Agricultural and Forest Meteorology, 2017, 246, 1-14.	1.9	32
136	100Âyears of lake evolution over the Qinghaiâ€“Tibet Plateau. Earth System Science Data, 2021, 13, 3951-3966.	3.7	32
137	Mapping Surface Soil Freeze-Thaw Cycles in China Based on SMMR and SSM/I Brightness Temperatures from 1978 to 2008. Arctic, Antarctic, and Alpine Research, 2015, 47, 213-229.	0.4	31
138	A Prototype Network for Remote Sensing Validation in China. Remote Sensing, 2015, 7, 5187-5202.	1.8	31
139	Watershed science: Bridging new advances in hydrological science with good management of river basins. Science China Earth Sciences, 2015, 58, 1-2.	2.3	31
140	Comparison of ensemble-based state and parameter estimation methods for soil moisture data assimilation. Advances in Water Resources, 2015, 86, 425-438.	1.7	31
141	Reconstruction of MODIS Land Surface Temperature Products Based on Multi-Temporal Information. Remote Sensing, 2018, 10, 1112.	1.8	31
142	Evapotranspiration components and water use efficiency from desert to alpine ecosystems in drylands. Agricultural and Forest Meteorology, 2021, 298-299, 108283.	1.9	31
143	Impact of Initialized Land Surface Temperature and Snowpack on Subseasonal to Seasonal Prediction Project, Phase I (LS4P-I): organization and experimental design. Geoscientific Model Development, 2021, 14, 4465-4494.	1.3	31
144	Remote Sensing of the Mean Annual Surface Temperature and Surface Frost Number for Mapping Permafrost in China. Arctic, Antarctic, and Alpine Research, 2015, 47, 255-265.	0.4	30

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145	A revised surface resistance parameterisation for estimating latent heat flux from remotely sensed data. International Journal of Applied Earth Observation and Geoinformation, 2012, 17, 76-84.	1.4	29
146	Diurnal Variations of the Flux Imbalance Over Homogeneous and Heterogeneous Landscapes. Boundary-Layer Meteorology, 2018, 168, 417-442.	1.2	29
147	Carbon fluxes across alpine, oasis, and desert ecosystems in northwestern China: The importance of water availability. Science of the Total Environment, 2019, 697, 133978.	3.9	29
148	Harmonizing models and observations: Data assimilation in Earth system science. Science China Earth Sciences, 2020, 63, 1059-1068.	2.3	29
149	Glacier Mass Balance in the Nyainqentanglha Mountains between 2000 and 2017 Retrieved from ZiYuan-3 Stereo Images and the SRTM DEM. Remote Sensing, 2020, 12, 864.	1.8	29
150	Groundwater response to leakage of surface water through a thick vadose zone in the middle reaches area of Heihe River Basin, in China. Hydrology and Earth System Sciences, 2010, 14, 639-650.	1.9	28
151	Development of a Satellite Land Data Assimilation System Coupled With a Mesoscale Model in the Tibetan Plateau. IEEE Transactions on Geoscience and Remote Sensing, 2011, 49, 2847-2862.	2.7	28
152	SWATâ€Based Hydrological Data Assimilation System (SWATâ€HDAS): Description and Case Application to River Basinâ€Scale Hydrological Predictions. Journal of Advances in Modeling Earth Systems, 2017, 9, 2863-2882.	1.3	28
153	Exploring spatial heterogeneity and temporal dynamics of human-hydrological interactions in large river basins with intensive agriculture: A tightly coupled, fully integrated modeling approach. Journal of Hydrology, 2020, 591, 125313.	2.3	28
154	Land cover mapping toward finer scales. Science Bulletin, 2020, 65, 1604-1606.	4.3	27
155	Boosting geoscience data sharing in China. Nature Geoscience, 2021, 14, 541-542.	5.4	27
156	Biophysical permafrost map indicates ecosystem processes dominate permafrost stability in the Northern Hemisphere. Environmental Research Letters, 2021, 16, 095010.	2.2	27
157	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. Remote Sensing, 2015, 7, 9230-9252.	1.8	26
158	High resolution surface radiation products for studies of regional energy, hydrologic and ecological processes over Heihe river basin, northwest China. Agricultural and Forest Meteorology, 2016, 230-231, 67-78.	1.9	26
159	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. Hydrology and Earth System Sciences, 2015, 19, 615-629.	1.9	25
160	Validation of Regional-Scale Remote Sensing Products in China: From Site to Network. Remote Sensing, 2016, 8, 980.	1.8	25
161	A new moving strategy for the sequential Monte Carlo approach in optimizing the hydrological model parameters. Advances in Water Resources, 2018, 114, 164-179.	1.7	25
162	Assimilating Doppler radar radial velocity and reflectivity observations in the weather research and forecasting model by a proper orthogonalâ€decompositionâ€based ensemble, threeâ€dimensional variational assimilation method. Journal of Geophysical Research, 2012, 117, .	3.3	24

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163	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. Agricultural and Forest Meteorology, 2013, 176, 10-24.	1.9	24
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