Ke Zhang

List of Publications by Year
in descending order

164 papers	10,466 citations	47006 47 h-index	38395 95 g-index
181 all docs	181 docs citations	181 times ranked	12537 citing authors

#	Article	IF	Citations
1	Recent decline in the global land evapotranspiration trend due to limited moisture supply. Nature, 2010, 467, 951-954.	27.8	1,771
2	A continuous satellite‐derived global record of land surface evapotranspiration from 1983 to 2006. Water Resources Research, 2010, 46, .	4.2	444
3	SARS-CoV-2 Orf6 hijacks Nup98 to block STAT nuclear import and antagonize interferon signaling. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 28344-28354.	7.1	421
4	A review of remote sensing based actual evapotranspiration estimation. Wiley Interdisciplinary Reviews: Water, 2016, 3, 834-853.	6.5	380
5	Safe and just operating spaces for regional social-ecological systems. Global Environmental Change, 2014, 28, 227-238.	7.8	311
6	Analysis of the Arctic System for Freshwater Cycle Intensification: Observations and Expectations. Journal of Climate, 2010, 23, 5715-5737.	3.2	303
7	EVIDENCE OF FAST PEBBLE GROWTH NEAR CONDENSATION FRONTS IN THE HL TAU PROTOPLANETARY DISK. Astrophysical Journal Letters, 2015, 806, L7.	8.3	297
8	Vegetation Greening and Climate Change Promote Multidecadal Rises of Global Land Evapotranspiration. Scientific Reports, 2015, 5, 15956.	3.3	265
9	Recent advances and clinical applications of deep learning in medical image analysis. Medical Image Analysis, 2022, 79, 102444.	11.6	215
10	Satellite based analysis of northern ET trends and associated changes in the regional water balance from 1983 to 2005. Journal of Hydrology, 2009, 379, 92-110.	5.4	212
11	Geographically weighted regression based methods for merging satellite and gauge precipitation. Journal of Hydrology, 2018, 558, 275-289.	5.4	181
12	Extending the timescale and range of ecosystem services through paleoenvironmental analyses, exemplified in the lower Yangtze basin. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, E1111-20.	7.1	163
13	THE RADIAL DISTRIBUTION OF H_2 AND CO IN TW HYA AS REVEALED BY RESOLVED ALMA OBSERVATIONS OF CO ISOTOPOLOGUES. Astrophysical Journal, 2016, 823, 91.	4.5	163
14	Ecosystem heterogeneity determines the ecological resilience of the Amazon to climate change. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 793-797.	7.1	161
15	Nsp1 protein of SARS-CoV-2 disrupts the mRNA export machinery to inhibit host gene expression. Science Advances, 2021, 7, .	10.3	154
16	Increased control of vegetation on global terrestrial energy fluxes. Nature Climate Change, 2020, 10, 356-362.	18.8	152
17	A hybrid runoff generation modelling framework based on spatial combination of three runoff generation schemes for semi-humid and semi-arid watersheds. Journal of Hydrology, 2020, 590, 125440.	5.4	120
18	Characteristics and influencing factors of rainfall-induced landslide and debris flow hazards in Shaanxi Province, China. Natural Hazards and Earth System Sciences, 2019, 19, 93-105.	3.6	119

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19	ON THE COMMONALITY OF 10–30 AU SIZED AXISYMMETRIC DUST STRUCTURES IN PROTOPLANETARY DISKS. Astrophysical Journal Letters, 2016, 818, L16.	8.3	117
20	Variation in stem mortality rates determines patterns of above‐ground biomass in <scp>A</scp>mazonian forests: implications for dynamic global vegetation models. Global Change Biology, 2016, 22, 3996-4013.	9.5	116
21	The Sensitivity of North American Terrestrial Carbon Fluxes to Spatial and Temporal Variation in Soil Moisture: An Analysis Using Radar‐Derived Estimates of Root‐Zone Soil Moisture. Journal of Geophysical Research G: Biogeosciences, 2019, 124, 3208-3231.	3.0	111
22	Ground observation-based analysis of soil moisture spatiotemporal variability across a humid to semi-humid transitional zone in China. Journal of Hydrology, 2019, 574, 903-914.	5.4	104
23	Mass inventory of the giant-planet formation zone in a solar nebula analogue. Nature Astronomy, 2017, 1, .	10.1	100
24	Satellite‐based model detection of recent climate‐driven changes in northern high‐latitude vegetation productivity. Journal of Geophysical Research, 2008, 113, .	3.3	99
25	The fate of Amazonian ecosystems over the coming century arising from changes in climate, atmospheric <scp>CO</scp>_{2,} and land use. Global Change Biology, 2015, 21, 2569-2587.	9.5	97
26	Automated IT system failure prediction: A deep learning approach. , 2016, , .		97
27	Improving the flood prediction capability of the Xinanjiang model in ungauged nested catchments by coupling it with the geomorphologic instantaneous unit hydrograph. Journal of Hydrology, 2014, 517, 1035-1048.	5.4	94
28	Analysis of flash flood disaster characteristics in China from 2011 to 2015. Natural Hazards, 2018, 90, 407-420.	3.4	92
29	Satellite Microwave Remote Sensing of Daily Land Surface Air Temperature Minima and Maxima From AMSR-E. IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing, 2010, 3, 111-123.	4.9	91
30	CO Depletion in Protoplanetary Disks: A Unified Picture Combining Physical Sequestration and Chemical Processing. Astrophysical Journal, 2020, 899, 134.	4.5	87
31	Molecules with ALMA at Planet-forming Scales (MAPS). V. CO Gas Distributions. Astrophysical Journal, Supplement Series, 2021, 257, 5.	7.7	87
32	Water balance‐based actual evapotranspiration reconstruction from ground and satellite observations over the conterminous <scp>U</scp>nited <scp>S</scp>tates. Water Resources Research, 2015, 51, 6485-6499.	4.2	79
33	Poverty alleviation strategies in eastern China lead to critical ecological dynamics. Science of the Total Environment, 2015, 506-507, 164-181.	8.0	78
34	COMPARISON OF THE DUST AND GAS RADIAL STRUCTURE IN THE TRANSITION DISK [PZ99] J160421.7-213028. Astrophysical Journal, 2014, 791, 42.	4.5	74
35	Systematic Variations of CO Gas Abundance with Radius in Gas-rich Protoplanetary Disks. Astrophysical Journal, 2019, 883, 98.	4.5	70
36	Impacts of future deforestation and climate change on the hydrology of the Amazon Basin: a multi-model analysis with a new set of land-cover change scenarios. Hydrology and Earth System Sciences, 2017, 21, 1455-1475.	4.9	69

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37	A priori parameter estimates for a distributed, grid-based Xinanjiang model using geographically based information. Journal of Hydrology, 2012, 468-469, 47-62.	5.4	67
38	Sensitivity of hydrological models to temporal and spatial resolutions of rainfall data. Hydrology and Earth System Sciences, 2019, 23, 2647-2663.	4.9	66
39	Exploring the utility of radar and satellite-sensed precipitation and their dynamic bias correction for integrated prediction of flood and landslide hazards. Journal of Hydrology, 2021, 603, 126964.	5.4	66
40	Coupling the k-nearest neighbor procedure with the Kalman filter for real-time updating of the hydraulic model in flood forecasting. International Journal of Sediment Research, 2016, 31, 149-158.	3.5	65
41	Changing freeze–thaw seasons in northern high latitudes and associated influences on evapotranspiration. Hydrological Processes, 2011, 25, 4142-4151.	2.6	62
42	The biophysics, ecology, and biogeochemistry of functionally diverse, vertically and horizontally heterogeneous ecosystems: the Ecosystem Demography model, version 2.2 – Part 1: Model description. Geoscientific Model Development, 2019, 12, 4309-4346.	3.6	62
43	A Satellite Approach to Estimate Land–Atmosphere $\hbox{CO}_{2}$ Exchange for Boreal and Arctic Biomes Using MODIS and AMSR-E. IEEE Transactions on Geoscience and Remote Sensing, 2009, 47, 569-587.	6.3	58
44	MEASUREMENTS OF WATER SURFACE SNOW LINES IN CLASSICAL PROTOPLANETARY DISKS. Astrophysical Journal, 2016, 818, 22.	4.5	58
45	Spatiotemporal characteristics and attribution of dry/wet conditions in the Weihe River Basin within a typical monsoon transition zone of East Asia over the recent 547 years. Environmental Modelling and Software, 2021, 143, 105116.	4.5	58
46	Molecules with ALMA at Planet-forming Scales (MAPS). XIV. Revealing Disk Substructures in Multiwavelength Continuum Emission. Astrophysical Journal, Supplement Series, 2021, 257, 14.	7.7	56
47	A Comprehensive Evaluation of Five Evapotranspiration Datasets Based on Ground and GRACE Satellite Observations: Implications for Improvement of Evapotranspiration Retrieval Algorithm. Remote Sensing, 2021, 13, 2414.	4.0	54
48	Evaluation of the TRMM multisatellite precipitation analysis and its applicability in supporting reservoir operation and water resources management in Hanjiang basin, China. Journal of Hydrology, 2017, 549, 313-325.	5.4	52
49	Comparison of Three GIS-Based Hydrological Models. Journal of Hydrologic Engineering - ASCE, 2008, 13, 364-370.	1.9	50
50	Sensitivity of inferred climate model skill to evaluation decisions: a case study using CMIP5 evapotranspiration. Environmental Research Letters, 2013, 8, 024028.	5.2	50
51	Machine Learning at the Edge: A Data-Driven Architecture With Applications to 5G Cellular Networks. IEEE Transactions on Mobile Computing, 2021, 20, 3367-3382.	5.8	48
52	iCRESTRIGRS: a coupled modeling system for cascading flood–landslide disaster forecasting. Hydrology and Earth System Sciences, 2016, 20, 5035-5048.	4.9	47
53	New Multisite Cascading Calibration Approach for Hydrological Models: Case Study in the Red River Basin Using the VIC Model. Journal of Hydrologic Engineering - ASCE, 2016, 21, .	1.9	47
54	Flood hazard mapping and assessment in data-scarce Nyaungdon area, Myanmar. PLoS ONE, 2019, 14, e0224558.	2.5	44

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55	Wind-induced hydrodynamic changes impact on sediment resuspension for large, shallow Lake Taihu, China. International Journal of Sediment Research, 2019, 34, 205-215.	3.5	44
56	Rapid Evolution of Volatile CO from the Protostellar Disk Stage to the Protoplanetary Disk Stage. Astrophysical Journal Letters, 2020, 891, L17.	8.3	43
57	ALMA OBSERVATIONS OF THE T TAURI BINARY SYSTEM AS 205: EVIDENCE FOR MOLECULAR WINDS AND/OR BINARY INTERACTIONS. Astrophysical Journal, 2014, 792, 68.	4.5	41
58	A two-step matrix splitting iteration for computing PageRank. Journal of Computational and Applied Mathematics, 2015, 278, 19-28.	2.0	40
59	Molecules with ALMA at Planet-forming Scales (MAPS). VII. Substellar O/H and C/H and Superstellar C/O in Planet-feeding Gas. Astrophysical Journal, Supplement Series, 2021, 257, 7.	7.7	40
60	Structural basis for influenza virus NS1 protein block of mRNA nuclear export. Nature Microbiology, 2019, 4, 1671-1679.	13.3	38
61	Integrating long-term dynamics of ecosystem services into restoration and management of large shallow lakes. Science of the Total Environment, 2019, 671, 66-75.	8.0	38
62	Diversity and Composition of Rumen Bacteria, Fungi, and Protozoa in Goats and Sheep Living in the Same High-Altitude Pasture. Animals, 2020, 10, 186.	2.3	38
63	Long-term succession of aquatic plants reconstructed from palynological records in a shallow freshwater lake. Science of the Total Environment, 2018, 643, 312-323.	8.0	36
64	The TW Hya Rosetta Stone Project. III. Resolving the Gaseous Thermal Profile of the Disk. Astrophysical Journal, 2021, 908, 8.	4.5	35
65	Ecological shift and resilience in China's lake systems during the last two centuries. Global and Planetary Change, 2018, 165, 147-159.	3.5	34
66	China's Degraded Environment Enters A New Normal. Trends in Ecology and Evolution, 2016, 31, 175-177.	8.7	33
67	Late Holocene lacustrine environmental and ecological changes caused by anthropogenic activities in the Chinese Loess Plateau. Quaternary Science Reviews, 2019, 203, 266-277.	3.0	33
68	Abrupt ecological shifts of lakes during the Anthropocene. Earth-Science Reviews, 2022, 227, 103981.	9.1	33
69	Changing Amazon biomass and the role of atmospheric CO_2 concentration, climate, and land use. Global Biogeochemical Cycles, 2016, 30, 18-39.	4.9	32
70	Applicability assessment of the CASCade Two Dimensional SEDiment (CASC2Dâ€SED) distributed hydrological model for flood forecasting across four typical medium and small watersheds in China. Journal of Flood Risk Management, 2019, 12, .	3.3	32
71	Synergistic impacts of nutrient enrichment and climate change on longâ€term water quality and ecological dynamics in contrasting shallowâ€lake zones. Limnology and Oceanography, 2021, 66, 3271-3286.	3.1	32
72	Analysis and Projection of Land-Use/Land-Cover Dynamics through Scenario-Based Simulations Using the CA-Markov Model: A Case Study in Guanting Reservoir Basin, China. Sustainability, 2020, 12, 3747.	3.2	32

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73	Excess C/H in Protoplanetary Disk Gas from Icy Pebble Drift Across the CO Snowline. Astrophysical Journal Letters, 2020, 891, L16.	8.3	32
74	Simulating canopy conductance of the Haloxylon ammodendron shrubland in an arid inland river basin of northwest China. Agricultural and Forest Meteorology, 2018, 249, 22-34.	4.8	31
75	Application and Sensitivity Analysis of Artificial Neural Network for Prediction of Chemical Oxygen Demand. Water Resources Management, 2018, 32, 273-283.	3.9	30
76	GA-PIC: An improved Green-Ampt rainfall-runoff model with a physically based infiltration distribution curve for semi-arid basins. Journal of Hydrology, 2020, 586, 124900.	5.4	30
77	Improving flood simulation capability of the WRF-Hydro-RAPID model using a multi-source precipitation merging method. Journal of Hydrology, 2021, 592, 125814.	5.4	30
78	Late Holocene vegetation dynamic and human activities reconstructed from lake records in western Loess Plateau, China. Quaternary International, 2010, 227, 38-45.	1.5	29
79	Analysis of drought and vulnerability in the North Darfur region of Sudan. Land Degradation and Development, 2018, 29, 4424-4438.	3.9	29
80	The biophysics, ecology, and biogeochemistry of functionally diverse, vertically and horizontally heterogeneous ecosystems: the Ecosystem Demography model, version 2.2 â€" Part 2: Model evaluation for tropical South America. Geoscientific Model Development, 2019, 12, 4347-4374.	3.6	29
81	Maturation of the Goat Rumen Microbiota Involves Three Stages of Microbial Colonization. Animals, 2019, 9, 1028.	2.3	29
82	Using palaeolimnological data and historical records to assess long-term dynamics of ecosystem services in typical Yangtze shallow lakes (China). Science of the Total Environment, 2017, 584-585, 791-802.	8.0	28
83	Impacts of largeâ€scale oscillations on panâ€Arctic terrestrial net primary production. Geophysical Research Letters, 2007, 34, .	4.0	27
84	Confronting challenges of managing degraded lake ecosystems in the Anthropocene, exemplified from the Yangtze River Basin in China. Anthropocene, 2018, 24, 30-39.	3.3	27
85	Unlocking CO Depletion in Protoplanetary Disks. II. Primordial C/H Predictions inside the CO Snowline. Astrophysical Journal, 2019, 877, 131.	4.5	27
86	Molecules with ALMA at Planet-forming Scales. XX. The Massive Disk around GM Aurigae. Astrophysical Journal, Supplement Series, 2021, 257, 20.	7.7	26
87	Understanding spatial homophily. , 2014, , .		25
88	Evaluation of flood prediction capability of the distributed Gridâ€Xinanjiang model driven by weather research and forecasting precipitation. Journal of Flood Risk Management, 2019, 12, .	3.3	24
89	A 110-year pollen record of land use and land cover changes in an anthropogenic watershed landscape, eastern China: Understanding past human-environment interactions. Science of the Total Environment, 2019, 650, 2906-2918.	8.0	24
90	Molecules with ALMA at Planet-forming Scales (MAPS). XIII. HCO$^+$ and Disk Ionization Structure. Astrophysical Journal, Supplement Series, 2021, 257, 13.	7.7	24

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91	Sensitivity of pan-Arctic terrestrial net primary productivity simulations to daily surface meteorology from NCEP-NCAR and ERA-40 reanalyses. Journal of Geophysical Research, 2007, 112, .	3.3	23
92	Ordered diatom species loss along a total phosphorus gradient in eutrophic lakes of the lower Yangtze River basin, China. Science of the Total Environment, 2019, 650, 1688-1695.	8.0	23
93	A 2700-year high resolution pollen record of climate change from varved Sugan Lake in the Qaidam Basin, northeastern Tibetan Plateau. Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 297, 290-298.	2.3	22
94	A High-resolution Mid-infrared Survey of Water Emission from Protoplanetary Disks. Astrophysical Journal, 2019, 874, 24.	4.5	22
95	Molecules with ALMA at Planet-forming Scales (MAPS). VIII. CO Gap in AS 209—Gas Depletion or Chemical Processing?. Astrophysical Journal, Supplement Series, 2021, 257, 8.	7.7	22
96	Structural—functional interactions of NS1-BP protein with the splicing and mRNA export machineries for viral and host gene expression. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E12218-E12227.	7.1	21
97	Chemical Evolution in a Protoplanetary Disk within Planet Carved Gaps and Dust Rings. Astrophysical Journal, 2020, 905, 68.	4.5	21
98	On the importance of temporal dynamics in modeling urban activity. , 2013, , .		20
99	Large-scale climate patterns and precipitation in an arid endorheic region: linkage and underlying mechanism. Environmental Research Letters, 2016, 11, 044006.	5.2	20
100	Probing the Gas Content of Late-stage Protoplanetary Disks with N_2H^+. Astrophysical Journal, 2019, 881, 127.	4.5	20
101	Deciphering centurial anthropogenic pollution processes in large lakes dominated by socio-economic impacts. Anthropocene, 2020, 32, 100269.	3.3	19
102	Observing Carbon and Oxygen Carriers in Protoplanetary Disks at Mid-infrared Wavelengths. Astrophysical Journal, 2021, 909, 55.	4.5	19
103	Molecules with ALMA at Planet-forming Scales (MAPS). XVII. Determining the 2D Thermal Structure of the HD 163296 Disk. Astrophysical Journal, Supplement Series, 2021, 257, 17.	7.7	19
104	DETECTION OF WATER VAPOR IN THE TERRESTRIAL PLANET FORMING REGION OF A TRANSITION DISK. Astrophysical Journal Letters, 2015, 810, L24.	8.3	18
105	Regime shifts and resilience in China's coastal ecosystems. Ambio, 2016, 45, 89-98.	5.5	18
106	Freshwater lake ecosystem shift caused by social-economic transitions in Yangtze River Basin over the past century. Scientific Reports, 2018, 8, 17146.	3.3	18
107	Healthy waterways and ecologically sustainable cities in Beijing–Tianjin–Hebei urban agglomeration (northern China): Challenges and future directions. Wiley Interdisciplinary Reviews: Water, 2021, 8, e1500.	6.5	18
108	Bias—corrected data sets of climate model outputs at uniform space—time resolution for land surface modelling over Amazonia. International Journal of Climatology, 2017, 37, 621-636.	3.5	17

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109	Application of a developed distributed hydrological model based on the mixed runoff generation model and 2D kinematic wave flow routing model for better flood forecasting. Atmospheric Science Letters, 2017, 18, 284-293.	1.9	17
110	Characterizing peer-judged answer quality on academic Q&A sites. Aslib Journal of Information Management, 2018, 70, 269-287.	2.1	16
111	Cumulative ecohydrological response to hydrological processes in arid basins. Ecological Indicators, 2020, 111, 106005.	6.3	16
112	Evaluation of Flood Prediction Capability of the WRF-Hydro Model Based on Multiple Forcing Scenarios. Water (Switzerland), 2020, 12, 874.	2.7	16
113	Unsupervised Detection of Sub-Events in Large Scale Disasters. Proceedings of the AAAI Conference on Artificial Intelligence, 2020, 34, 354-361.	4.9	16
114	Projections of Future Climate Change in Singapore Based on a Multi-Site Multivariate Downscaling Approach. Water (Switzerland), 2019, 11, 2300.	2.7	15
115	Destruction of Refractory Carbon Grains Drives the Final Stage of Protoplanetary Disk Chemistry. Astrophysical Journal, 2021, 910, 3.	4.5	15
116	Discrepancy in the responses of diatom diversity to indirect and direct human activities in lakes of the southeastern Tibetan Plateau, China. Anthropocene, 2020, 30, 100243.	3.3	15
117	Transformers Improve Breast Cancer Diagnosis from Unregistered Multi-View Mammograms. Diagnostics, 2022, 12, 1549.	2.6	15
118	Patterns and trajectories of macrophyte change in East China's shallow lakes over the past one century. Science China Earth Sciences, 2021, 64, 1735-1745.	5.2	14
119	Taxonomic and functional adaption of the gastrointestinal microbiome of goats kept at high altitude (4800Âm) under intensive or extensive rearing conditions. FEMS Microbiology Ecology, 2021, 97, .	2.7	12
120	A Novel Way of Measuring the Gas Disk Mass of Protoplanetary Disks Using N_2H^+ and $C^{18}O$. Astrophysical Journal Letters, 2022, 926, L2.	8.3	12
121	Effect of MHD Wind-driven Disk Evolution on the Observed Sizes of Protoplanetary Disks. Astrophysical Journal, 2022, 926, 61.	4.5	12
122	New Constraints on Protoplanetary Disk Gas Masses in Lupus. Astrophysical Journal, 2022, 927, 229.	4.5	12
123	Soft Biometrics in Online Social Networks: A Case Study on Twitter User Gender Recognition. , 2017, , .		11
124	Characteristics of Urban Waterlogging and Flash Flood Hazards and Their Integrated Preventive Measures: Case Study in Fuzhou, China. Journal of Sustainable Water in the Built Environment, 2018, 4, .	1.6	11
125	Chemical intervention of influenza virus mRNA nuclear export. PLoS Pathogens, 2020, 16, e1008407.	4.7	11
126	GDBC: A tool for generating global-scale distributed basin morphometry. Environmental Modelling and Software, 2016, 83, 212-223.	4.5	10

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127	Application and comparison of coaxial correlation diagram and hydrological model for reconstructing flood series under human disturbance. Journal of Mountain Science, 2016, 13, 1245-1264.	2.0	10
128	Effects of Promotions on Location-Based Social Media: Evidence from Foursquare. International Journal of Electronic Commerce, 2018, 22, 36-65.	3.0	10
129	Paleolimnological evidence of environmental change in Chinese lakes over the past two centuries. Inland Waters, 2020, 10, 1-10.	2.2	10
130	Hints of a Population of Solar System Analog Planets from ALMA. Astrophysical Journal Letters, 2020, 895, L46.	8.3	10
131	Spatial variation of organic carbon sequestration in large lakes and implications for carbon stock quantification. Catena, 2022, 208, 105768.	5.0	10
132	A new canopy chlorophyll index-based paddy rice critical nitrogen dilution curve in eastern China. Field Crops Research, 2021, 266, 108139.	5.1	9
133	Gut microbiota-derived metabolites contribute negatively to hindgut barrier function development at the early weaning goat model. Animal Nutrition, 2022, 10, 111-123.	5.1	9
134	Characterizing users' check-in activities using their scores in a location-based social network. Multimedia Systems, 2016, 22, 87-98.	4.7	8
135	Applying a statistical method to streamflow reduction caused by underground mining for coal in the Kuye River basin. Science China Technological Sciences, 2016, 59, 1911-1920.	4.0	8
136	Application of subfossil cladocerans (water fleas) in assessing ecological resilience of shallow Yangtze River floodplain lake systems (China). Science China Earth Sciences, 2018, 61, 1157-1168.	5.2	7
137	Who determines the trade-offs between agricultural production and environmental quality? An evolutionary perspective from rural eastern China. International Journal of Agricultural Sustainability, 2019, 17, 347-366.	3.5	7
138	Pollen-vegetation/land use relationships in southeastern China: Complexity and applicability for paleoenvironmental reconstruction. Ecological Indicators, 2020, 116, 106523.	6.3	7
139	Using Fourier ptychography microscopy to achieve high-resolution chromosome imaging: an initial evaluation. Journal of Biomedical Optics, 2022, 27, .	2.6	7
140	A Re-evaluation of Wetland Carbon Sink Mitigation Concepts and Measurements: A Diagenetic Solution. Wetlands, 2022, 42, 1.	1.5	7
141	Towards reliable spatial information in LBSNs. , 2012, , .		6
142	Flexible global generalized Hessenberg methods for linear systems with multiple right-hand sides. Journal of Computational and Applied Mathematics, 2014, 263, 312-325.	2.0	6
143	Towards understanding the gamification upon users' scores in a location-based social network. Multimedia Tools and Applications, 2016, 75, 8895-8919.	3.9	6
144	Estimation of Active Stream Network Length in a Hilly Headwater Catchment Using Recession Flow Analysis. Water (Switzerland), 2017, 9, 348.	2.7	6

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145	Pre-industrial cyanobacterial dominance in Lake Moon (NE China) revealed by sedimentary ancient DNA. Quaternary Science Reviews, 2021, 261, 106966.	3.0	6
146	Predictability of a Physically Based Model for Rainfall-induced Shallow Landslides: Model Development and Case Studies. , 2015, , 165-178.		6
147	A flexible CMRH algorithm for nonsymmetric linear systems. Journal of Applied Mathematics and Computing, 2014, 45, 43-61.	2.5	5
148	A Hessenberg-type algorithm for computing PageRank Problems. Numerical Algorithms, 0, , 1.	1.9	5
149	Long-term wind induced internal response mechanisms at Meiliang Bay of large, shallow Lake Taihu. Annales De Limnologie, 2020, 56, 1.	0.6	5
150	Loss of Elongation-Like Factor 1 Spontaneously Induces Diverse, RNase H-Related Suppressor Mutations in Schizosaccharomyces pombe. Genetics, 2018, 209, 967-981.	2.9	4
151	A New Runoff Routing Scheme for Xin′anjiang Model and Its Routing Parameters Estimation Based on Geographical Information. Water (Switzerland), 2020, 12, 3429.	2.7	4
152	Lake ecosystem regime shifts induced by agricultural intensification: A century scale paleolimnological investigation from the Huai River Basin (China). Quaternary Science Reviews, 2022, 285, 107522.	3.0	4
153	On simulation improvement of the <scp>N</scp>oah_<scp>LSM</scp> by coupling with a hydrological model using a double‐excess runoff production scheme in the <scp>GRAPES</scp>_<scp>M</scp>eso model. Meteorological Applications, 2017, 24, 512-520.	2.1	3
154	16S rRNA Gene Sequencing Revealed Changes in Gut Microbiota Composition during Pregnancy and Lactation in Mice Model. Veterinary Sciences, 2022, 9, 169.	1.7	3
155	Do Street Fairs Boost Local Businesses? A Quasi-Experimental Analysis Using Social Network Data. Lecture Notes in Computer Science, 2016, , 161-176.	1.3	2
156	Potential Indicator Value of Subfossil Gastropods in Assessing the Ecological Health of the Middle and Lower Reaches of the Yangtze River Floodplain System (China). Geosciences (Switzerland), 2018, 8, 222.	2.2	2
157	Improving the resolution of chromosome imaging by high numerical aperture Fourier ptychography microscopy. , 2022, , .		2
158	Assimilation of surface soil moisture jointly retrieved by multiple microwave satellites into the WRF-Hydro model in ungauged regions: Towards a robust flood simulation and forecasting. Environmental Modelling and Software, 2022, 154, 105421.	4.5	2
159	A Polynomial Preconditioned Global CMRH Method for Linear Systems with Multiple Right-Hand Sides. Journal of Applied Mathematics, 2013, 2013, 1-7.	0.9	1
160	Hydrometeorological Applications: Severe Weather Precipitation Detection, Estimation, and Forecast. Advances in Meteorology, 2017, 2017, 1-2.	1.6	1
161	ACM HotMobile 2013 poster. Mobile Computing and Communications Review, 2013, 17, 29-30.	1.7	0
162	Advances in Remote Sensing and Modeling of Terrestrial Hydrometeorological Processes and Extremes. Advances in Meteorology, 2016, 2016, 1-3.	1.6	0

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163	Unveiling the mid-plane temperature and mass distribution in the giant-planet formation zone. Proceedings of the International Astronomical Union, 2017, 13, 103-108.	0.0	0
164	A novel 3D video oculography system for measuring cross-axis vestibulo-ocular reflex. Medical Engineering and Physics, 2021, 96, 41-45.	1.7	0