Junguo Liu

List of Publications by Year in descending order

Source: https://exaly.com/author-pdf/5146016/publications.pdf

Version: 2024-02-01

238 papers	21,907 citations	14614 66 h-index	10127 140 g-index
274 all docs	274 docs citations	274 times ranked	21581 citing authors

#	Article	IF	Citations
1	GrabRiver: Graph-Theory-Based River Width Extraction From Remote Sensing Imagery. IEEE Geoscience and Remote Sensing Letters, 2022, 19, 1-5.	1.4	1
2	Past and Future Changes in Climate and Water Resources in the Lancangâ€“Mekong River Basin: Current Understanding and Future Research Directions. Engineering, 2022, 13, 144-152.	3.2	19
3	Extreme precipitation variability across the <scp>Lancangâ€Mekong</scp> River Basin during 1952â€“2015 in relation to teleconnections and summer monsoons. International Journal of Climatology, 2022, 42, 2614-2638.	1.5	14
4	Assessments and Corrections of GLDAS2.0 Forcing Data in Four Large Transboundary Rivers in the Tibetan Plateau and Northeast China. Earth and Space Science, 2022, 9, e2020EA001576.	1.1	4
5	Warming winter, drying spring and shifting hydrological regimes in Northeast China under climate change. Journal of Hydrology, 2022, 606, 127390.	2.3	20
6	Stormwater Management Modeling in â€œSponge Cityâ€•Construction: Current State and Future Directions. Frontiers in Environmental Science, 2022, 9, .	1.5	8
7	Global water security: A shining star in the dark sky of achieving the sustainable development goals. , 2022, 1, 100005.		29
8	Urban Catchment-Scale Blue-Green-Gray Infrastructure Classification with Unmanned Aerial Vehicle Images and Machine Learning Algorithms. Frontiers in Environmental Science, 2022, 9, .	1.5	5
9	Global mapping reveals increase in lacustrine algal blooms over the past decade. Nature Geoscience, 2022, 15, 130-134.	5.4	158
10	æ·±åº¦ä¸ç¡®å®šæ€§ä¸‹æ²¿æ±Ÿæ°´åº“é€‚åº”æ€§å†³ç––æ–¹æ³•è¯„è¿°. Chinese Science Bulletin, 2022, , .	0.4	0
11	Economic growth dominates rising potential flood risk in the Yangtze River and benefits of raising dikes from 1991 to 2015. Environmental Research Letters, 2022, 17, 034046.	2.2	10
12	Increasing Concurrent Drought Probability in Global Main Crop Production Countries. Geophysical Research Letters, 2022, 49, .	1.5	10
13	The Role of Aquifers in Sustaining the Sponge City Concept in Chinese High-Density Housing. Water (Switzerland), 2022, 14, 929.	1.2	3
14	Evaluation of six gauge-based gridded climate products for analyzing long-term historical precipitation patterns across the Lancang-Mekong River Basin. Geography and Sustainability, 2022, 3, 85-103.	1.9	8
15	The pattern of virtual water transfer in China: From the perspective of the virtual water hypothesis. Journal of Cleaner Production, 2022, 346, 131232.	4.6	10
16	Divergent and Changing Importance of Glaciers and Snow as Natural Water Reservoirs in the Eastern and Southern Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2022, 127, .	1.2	11
17	Comparison of Seven Weibull Distribution Models for Predicting Relative Hydraulic Conductivity. Water Resources Research, 2022, 58, .	1.7	1
18	Quantifying global agricultural water appropriation with data derived from earth observations. Journal of Cleaner Production, 2022, 358, 131891.	4.6	27

#	Article	IF	Citations
19	Investigating the potential impact of ecological restoration strategies on peopleâ€“landscape interactions through cultural ecosystem services: A case study of Xilin Gol, China. Journal of Environmental Management, 2022, 316, 115185.	3.8	12
20	Spatial Aggregation of Global Dry and Wet Patterns Based on the Standard Precipitation Index. Earth's Future, 2022, 10, .	2.4	4
21	Continuous Loss of Global Lake Ice Across Two Centuries Revealed by Satellite Observations and Numerical Modeling. Geophysical Research Letters, 2022, 49, .	1.5	4
22	From a Spatial Structure Perspective: Spatialâ€Temporal Variation of Climate Redistribution of China Based on the KÃ¶ppenâ€“Geiger Classification. Geophysical Research Letters, 2022, 49, .	1.5	2
23	Research on quantitative assessment of climate change risk at an urban scale: Review of recent progress and outlook of future direction. Renewable and Sustainable Energy Reviews, 2021, 135, 110415.	8.2	41
24	Feasibility of coupling PV system with long-distance water transfer: A case study of China's â€œSouth-to-North water diversionâ€• Resources, Conservation and Recycling, 2021, 164, 105194.	5.3	6
25	A Review of Water Stress and Water Footprint Accounting. Water (Switzerland), 2021, 13, 201.	1.2	48
26	Global terrestrial water storage and drought severity under climate change. Nature Climate Change, 2021, 11, 226-233.	8.1	345
27	Chlorophyll-a concentrations in 82 large alpine lakes on the Tibetan Plateau during 2003â€“2017: temporalâ€“spatial variations and influencing factors. International Journal of Digital Earth, 2021, 14, 714-735.	1.6	14
28	Identification of Urban Rainstorm Waterlogging Based on Multi-source Information Fusionï¼šA Case Study in Futian District, Shenzhen. E3S Web of Conferences, 2021, 259, 01004.	0.2	2
29	Concerns about phytoplankton bloom trends in global lakes. Nature, 2021, 590, E35-E47.	13.7	36
30	Spatiotemporal monitoring and change detection of vegetation cover for drought management in the Middle East. Theoretical and Applied Climatology, 2021, 144, 299-315.	1.3	14
31	Effects of extreme temperature on Chinaâ€™s tea production. Environmental Research Letters, 2021, 16, 044040.	2.2	23
32	Basin-scale high-resolution extraction of drainage networks using 10-m Sentinel-2 imagery. Remote Sensing of Environment, 2021, 255, 112281.	4.6	21
33	Globally observed trends in mean and extreme river flow attributed to climate change. Science, 2021, 371, 1159-1162.	6.0	213
34	Searching for â€œWin-Winâ€•solutions for food-water-GHG emissions tradeoffs across irrigation regimes of paddy rice in China. Resources, Conservation and Recycling, 2021, 166, 105360.	5.3	29
35	Intercomparison of ten ISI-MIP models in simulating discharges along the Lancang-Mekong River basin. Science of the Total Environment, 2021, 765, 144494.	3.9	8
36	Understanding the impacts of climate change and socio-economic development through food-energy-water nexus: A case study of mekong river delta. Resources, Conservation and Recycling, 2021, 167, 105390.	5.3	31

#	Article	IF	Citations
37	Undermined co-benefits of hydropower and irrigation under climate change. Resources, Conservation and Recycling, 2021, 167, 105375.	5.3	4
38	Reply to Comment on â€˜Changes of inundation area and water turbidity of Tonle Sap Lake: responses to climate changes or upstream dam construction?â€™. Environmental Research Letters, 2021, 16, 058002.	2.2	1
39	Two-Tier Synergic Governance of Greenhouse Gas Emissions and Air Pollution in Chinaâ€™s Megacity, Shenzhen: Impact Evaluation and Policy Implication. Environmental Science & Technology, 2021, 55, 7225-7236.	4.6	29
40	Quantifying economic-social-environmental trade-offs and synergies of water-supply constraints: An application to the capital region of China. Water Research, 2021, 195, 116986.	5.3	44
41	A two-stage factorial-analysis-based input-output model for virtual-water quantification and metabolic-network identification in Kyrgyzstan. Journal of Cleaner Production, 2021, 301, 126960.	4.6	9
42	Understanding each other's models: an introduction and a standard representation of 16 global water models to support intercomparison, improvement, and communication. Geoscientific Model Development, 2021, 14, 3843-3878.	1.3	41
43	Hydrogeological Criteria to Improve the Sponge City Strategy of China. Frontiers in Environmental Science, 2021, 9, .	1.5	8
44	Links between global terrestrial water storage and large-scale modes of climatic variability. Journal of Hydrology, 2021, 598, 126419.	2.3	8
45	Chinaâ€™s food loss and waste embodies increasing environmental impacts. Nature Food, 2021, 2, 519-528.	6.2	142
46	Influence of human interventions on local perceptions of cultural ecosystem services provided by coastal landscapes: Case study of the Huiwen wetland, southern China. Ecosystem Services, 2021, 50, 101311.	2.3	12
47	Highâ€Resolution Mapping of Ice Cover Changes in Over 33,000 Lakes Across the North Temperate Zone. Geophysical Research Letters, 2021, 48, e2021GL095614.	1.5	9
48	Environmental flow requirements largely reshape global surface water scarcity assessment. Environmental Research Letters, 2021, 16, 104029.	2.2	13
49	Multidecadal variability of the Tonle Sap Lake flood pulse regime. Hydrological Processes, 2021, 35, e14327.	1.1	17
50	Evaluation of short-term streamflow prediction methods in Urban river basins. Physics and Chemistry of the Earth, 2021, 123, 103027.	1.2	15
51	Spatiotemporal variation of enhanced vegetation index in the Amazon Basin and its response to climate change. Physics and Chemistry of the Earth, 2021, 123, 103024.	1.2	17
52	Additional surface-water deficit to meet global universal water accessibility by 2030. Journal of Cleaner Production, 2021, 320, 128829.	4.6	11
53	Comprehensive comparison of artificial neural networks and long short-term memory networks for rainfall-runoff simulation. Physics and Chemistry of the Earth, 2021, 123, 103026.	1.2	35
54	Socioeconomic drivers of provincial-level changes in the blue and green water footprints in China. Resources, Conservation and Recycling, 2021, 175, 105834.	5.3	47

#	Article	IF	Citations
55	The potential contribution of growing rapeseed in winter fallow fields across Yangtze River Basin to energy and food security in China. Resources, Conservation and Recycling, 2021, 164, 105159.	5.3	28
56	Theory of stepwise ecological restoration. Chinese Science Bulletin, 2021, 66, 1014-1025.	0.4	12
57	Weakening flood, intensifying hydrological drought severity and decreasing drought probability in Northeast China. Journal of Hydrology: Regional Studies, 2021, 38, 100941.	1.0	4
58	Spring and summer potential flood risk in Northeast China. Journal of Hydrology: Regional Studies, 2021, 38, 100951.	1.0	6
59	Terrestrial ecological restoration in China: identifying advances and gaps. Environmental Sciences Europe, 2021, 33, .	2.6	23
60	Observed Changes of KÃ¶ppen Climate Zones Based on Highâ€Resolution Data Sets in the Qinghaiâ€Tibet Plateau. Geophysical Research Letters, 2021, 48, e2021GL096159.	1.5	5
61	Assessing the interlinkage of green and blue water in an arid catchment in Northwest China. Environmental Geochemistry and Health, 2020, 42, 933-953.	1.8	15
62	Increased Dissolved Organic Carbon Concentrations in Peatâ€Fed UK Water Supplies Under Future Climate and Sulfate Deposition Scenarios. Water Resources Research, 2020, 56, e2019WR025592.	1.7	18
63	Divergent sensitivity of surface water and energy variables to precipitation product uncertainty in the Tibetan Plateau. Journal of Hydrology, 2020, 581, 124338.	2.3	14
64	Food-Energy-Water Nexus for Multi-scale Sustainable Development. Resources, Conservation and Recycling, 2020, 154, 104565.	5.3	7
65	Influential Climate Teleconnections for Spatiotemporal Precipitation Variability in the Lancangâ€Mekong River Basin From 1952 to 2015. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD033331.	1.2	28
66	SIMPLE-G: A multiscale framework for integration of economic and biophysical determinants of sustainability. Environmental Modelling and Software, 2020, 133, 104805.	1.9	19
67	Exploring consumption-based planetary boundary indicators: An absolute water footprinting assessment of Chinese provinces and cities. Water Research, 2020, 184, 116163.	5.3	45
68	Numerical Simulation of Na-Tech Cascading Disasters in a Large Oil Depot. International Journal of Environmental Research and Public Health, 2020, 17, 8620.	1.2	3
69	Urban pluvial flooding prediction by machine learning approaches â€“ a case study of Shenzhen city, China. Advances in Water Resources, 2020, 145, 103719.	1.7	53
70	Anthropogenic transformation of Yangtze Plain freshwater lakes: patterns, drivers and impacts. Remote Sensing of Environment, 2020, 248, 111998.	4.6	63
71	Snow as an Important Natural Reservoir for Runoff and Soil Moisture in Northeast China. Journal of Geophysical Research D: Atmospheres, 2020, 125, e2020JD033086.	1.2	29
72	The dangers of Arctic zombie wildfires. Science, 2020, 369, 1171-1171.	6.0	14

#	Article	IF	Citations
73	Large Uncertainty on Forest Area Change in the Early 21st Century among Widely Used Global Land Cover Datasets. Remote Sensing, 2020, 12, 3502.	1.8	24
74	Hydropower Production Benefits More From 1.5ÂÂ°C than 2ÂÂ°C Climate Scenario. Water Resources Research, 2020, 56, e2019WR025519.	1.7	18
75	Environmental Sustainability of Water Footprint in Mainland China. Geography and Sustainability, 2020, 1, 8-17.	1.9	26
76	Mitigating heat-related mortality risk in Shanghai, China: system dynamics modeling simulations. Environmental Geochemistry and Health, 2020, 42, 3171-3184.	1.8	6
77	Natureâ€based solutions for urban pluvial flood risk management. Wiley Interdisciplinary Reviews: Water, 2020, 7, e1421.	2.8	63
78	Cityâ€levelÂwater withdrawal in China: Accounting methodology and applications. Journal of Industrial Ecology, 2020, 24, 951-964.	2.8	13
79	Deceleration of Chinaâ€™s human water use and its key drivers. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 7702-7711.	3.3	155
80	Quantifying Water Scarcity in Northern China Within the Context of Climatic and Societal Changes and Southâ€toâ€North Water Diversion. Earth's Future, 2020, 8, e2020EF001492.	2.4	30
81	Cover Image, Volume 7, Issue 3. Wiley Interdisciplinary Reviews: Water, 2020, 7, e1446.	2.8	0
82	Large Uncertainties in Runoff Estimations of GLDAS Versions 2.0 and 2.1 in China. Earth and Space Science, 2020, 7, e2019EA000829.	1.1	21
83	Water as an urban heat sink: Blue infrastructure alleviates urban heat island effect in mega-city agglomeration. Journal of Cleaner Production, 2020, 262, 121411.	4.6	71
84	Changes of inundation area and water turbidity of Tonle Sap Lake: responses to climate changes or upstream dam construction?. Environmental Research Letters, 2020, 15, 0940a1.	2.2	26
85	Three-dimensional water scarcity assessment by considering water quantity, water quality, and environmental flow requirements: Review and prospect. Chinese Science Bulletin, 2020, 65, 4251-4261.	0.4	9
86	A Spatially Explicit Assessment of Growing Water Stress in China From the Past to the Future. Earth's Future, 2019, 7, 1027-1043.	2.4	27
87	Impacts of the decreased freeze-up period on primary production in Qinghai Lake. International Journal of Applied Earth Observation and Geoinformation, 2019, 83, 101915.	1.4	7
88	Policy-driven changes in enclosure fisheries of large lakes in the Yangtze Plain: Evidence from satellite imagery. Science of the Total Environment, 2019, 688, 1286-1297.	3.9	20
89	Studies on changes in extreme flood peaks resulting from land-use changes need to consider roughness variations. Hydrological Sciences Journal, 2019, 64, 2015-2024.	1.2	5
90	International principles and standards for the practice of ecological restoration. Second edition. Restoration Ecology, 2019, 27, S1.	1.4	667

#	Article	IF	Citations
91	Integrated water resources management and modeling: A case study of Bow river basin, Canada. Journal of Cleaner Production, 2019, 240, 118242.	4.6	41
92	Synthesized trade-off analysis of flood control solutions under future deep uncertainty: An application to the central business district of Shanghai. Water Research, 2019, 166, 115067.	5.3	24
93	A framework to quantify impacts of elevated CO2 concentration, global warming and leaf area changes on seasonal variations of water resources on a river basin scale. Journal of Hydrology, 2019, 570, 508-522.	2.3	23
94	Explaining virtual water trade: A spatial-temporal analysis of the comparative advantage of land, labor and water in China. Water Research, 2019, 153, 304-314.	5.3	89
95	Chinaâ€™s progress towards sustainable land degradation control: Insights from the northwest arid regions. Ecological Engineering, 2019, 127, 75-87.	1.6	41
96	Peak of CO2 emissions in various sectors and provinces of China: Recent progress and avenues for further research. Renewable and Sustainable Energy Reviews, 2019, 112, 813-833.	8.2	53
97	Twenty-three unsolved problems in hydrology (UPH) â€“ a community perspective. Hydrological Sciences Journal, 2019, 64, 1141-1158.	1.2	474
98	The Waterâ€“Energy Nexus of Megacities Extends Beyond Geographic Boundaries: A Case of Beijing. Environmental Engineering Science, 2019, 36, 778-788.	0.8	18
99	Development of a New Integrated Framework for Improved Rainfall-Runoff Modeling under Climate Variability and Human Activities. Water Resources Management, 2019, 33, 2501-2515.	1.9	11
100	Linking physical water consumption with virtual water consumption: Methodology, application and implications. Journal of Cleaner Production, 2019, 228, 1206-1217.	4.6	26
101	Using stable isotopes of surface water and groundwater to quantify moisture sources across the Yellow River source region. Hydrological Processes, 2019, 33, 1835-1850.	1.1	16
102	Making global river ecosystem health assessments objective, quantitative and comparable. Science of the Total Environment, 2019, 667, 500-510.	3.9	22
103	Technical and economic analysis of amine-based carbon capture and sequestration at coal-fired power plants. Journal of Cleaner Production, 2019, 222, 476-487.	4.6	63
104	Genome survey, high-resolution genetic linkage map construction, growth-related quantitative trait locus (QTL) identification and gene location in Scylla paramamosain. Scientific Reports, 2019, 9, 2910.	1.6	8
105	Urban-rural nitrogen emission from household food consumption in China: spatial pattern and dynamics analysis. International Journal of Sustainable Development and World Ecology, 2019, 26, 415-427.	3.2	2
106	On knowledge generation and use for sustainability. Nature Sustainability, 2019, 2, 80-82.	11.5	35
107	WAYS v1: a hydrological model for root zone water storage simulation on a global scale. Geoscientific Model Development, 2019, 12, 5267-5289.	1.3	13
108	A reversal in global terrestrial stilling and its implications for wind energy production. Nature Climate Change, 2019, 9, 979-985.	8.1	246

#	Article	IF	Citations
109	Global urban expansion offsets climate-driven increases in terrestrial net primary productivity. Nature Communications, 2019, 10, 5558.	5.8	198
110	Savings and losses of global water resources in foodâ€related virtual water trade. Wiley Interdisciplinary Reviews: Water, 2019, 6, e1320.	2.8	62
111	Research on the peak of CO2 emissions in the developing world: Current progress and future prospect. Applied Energy, 2019, 235, 186-203.	5.1	86
112	Future increases in irrigation water requirement challenge the water-food nexus in the northeast farming region of China. Agricultural Water Management, 2019, 213, 594-604.	2.4	46
113	Exploring Future Food Provision Scenarios for China. Environmental Science & Technology, 2019, 53, 1385-1393.	4.6	62
114	The Diagnostic Value of Chemokine/Chemokine Receptor Pairs in Hepatocellular Carcinoma and Colorectal Liver Metastasis. Journal of Histochemistry and Cytochemistry, 2019, 67, 299-308.	1.3	7
115	Evolution of the field of ecological restoration over the last three decades: a bibliometric analysis. Restoration Ecology, 2019, 27, 647-660.	1.4	48
116	Quantification of spatial temporal variability of snow cover and hydro-climatic variables based on multi-source remote sensing data in the Swat watershed, Hindukush Mountains, Pakistan. Meteorology and Atmospheric Physics, 2019, 131, 467-486.	0.9	21
117	Agricultural Adaptation to Climate Change in China. , 2019, , 111-122.		3
118	Ecological attributes, restoration, and protection of the Baiyangdian in Xiong'an New Area. Acta Ecologica Sinica, 2019, 39, .	0.0	2
119	Water resources conservation and nitrogen pollution reduction under global food trade and agricultural intensification. Science of the Total Environment, 2018, 633, 1591-1601.	3.9	33
120	Can multi-objective calibration of streamflow guarantee better hydrological model accuracy?. Journal of Hydroinformatics, 2018, 20, 687-698.	1.1	21
121	Keeping global warming within 1.5 Â°C constrains emergence of aridification. Nature Climate Change, 2018, 8, 70-74.	8.1	158
122	HPLCâ€MS/MS analysis of anthocyanins in human plasma and urine using protein precipitation and diluteâ€andâ€shoot sample preparation methods, respectively. Biomedical Chromatography, 2018, 32, e4177.	0.8	5
123	An ensemble-based dynamic Bayesian averaging approach for discharge simulations using multiple global precipitation products and hydrological models. Journal of Hydrology, 2018, 558, 405-420.	2.3	14
124	A non-stationary cost-benefit based bivariate extreme flood estimation approach. Journal of Hydrology, 2018, 557, 589-599.	2.3	10
125	Assessing China's â€œdeveloping a water-saving societyâ€•policy at a river basin level: A structural decomposition analysis approach. Journal of Cleaner Production, 2018, 190, 799-808.	4.6	53
126	PEATMAP: Refining estimates of global peatland distribution based on a meta-analysis. Catena, 2018, 160, 134-140.	2.2	421

#	Article	IF	Citations
127	Physical water scarcity metrics for monitoring progress towards SDG target 6.4: An evaluation of indicator 6.4.2 â€œLevel of water stressâ€• Science of the Total Environment, 2018, 613-614, 218-232.	3.9	223
128	Towards Ecological-Economic Integrity in the Jing-Jin-Ji Regional Development in China. Water (Switzerland), 2018, 10, 1653.	1.2	8
129	Epistemological dimensions of the waterâ€“energyâ€“food nexus approach: reply to discussions of â€œChallenges in operationalizing the waterâ€“energyâ€“food nexusâ€‹sup />. Hydrological Sciences Journal, 2018, 63, 1868-1871.	1.2	13
130	Evaluations and Improvements of GLDAS2.0 and GLDAS2.1 Forcing Data's Applicability for Basin Scale Hydrological Simulations in the Tibetan Plateau. Journal of Geophysical Research D: Atmospheres, 2018, 123, 13,128.	1.2	36
131	Multi-Spectral Water Index (MuWI): A Native 10-m Multi-Spectral Water Index for Accurate Water Mapping on Sentinel-2. Remote Sensing, 2018, 10, 1643.	1.8	57
132	An amine oxidase gene from mud crab, Scylla paramamosain, regulates the neurotransmitters serotonin and dopamine in vitro. PLoS ONE, 2018, 13, e0204325.	1.1	1
133	Linking fish tolerance to water quality criteria for the assessment of environmental flows: A practical method for streamflow regulation and pollution control. Water Research, 2018, 141, 96-108.	5.3	44
134	Evapotranspiration simulations in ISIMIP2aâ€”Evaluation of spatio-temporal characteristics with a comprehensive ensemble of independent datasets. Environmental Research Letters, 2018, 13, 075001.	2.2	38
135	Worldwide evaluation of mean and extreme runoff from six global-scale hydrological models that account for human impacts. Environmental Research Letters, 2018, 13, 065015.	2.2	85
136	Hotspots of peatland-derived potable water use identified by global analysis. Nature Sustainability, 2018, 1, 246-253.	11.5	46
137	Spatiotemporal analysis of precipitation variability in annual, seasonal and extreme values over upper Indus River basin. Atmospheric Research, 2018, 213, 346-360.	1.8	113
138	Impacts of Land-Use and Land-Cover Changes on Water Yield: A Case Study in Jing-Jin-Ji, China. Sustainability, 2018, 10, 960.	1.6	73
139	A linear bi-level multi-objective program for optimal allocation of water resources. PLoS ONE, 2018, 13, e0192294.	1.1	28
140	Global and regional phosphorus budgets in agricultural systems and their implications for phosphorus-use efficiency. Earth System Science Data, 2018, 10, 1-18.	3.7	106
141	Suitable and optimal locations for implementing photovoltaic water pumping systems for grassland irrigation in China. Applied Energy, 2017, 185, 1879-1889.	5.1	34
142	Chinaâ€™s coal-fired power plants impose pressure on water resources. Journal of Cleaner Production, 2017, 161, 1171-1179.	4.6	82
143	The development of Chinaâ€™s Yangtze River Economic Belt: how to make it in a green way?. Science Bulletin, 2017, 62, 648-651.	4.3	105
144	Water scarcity hotspots travel downstream due to human interventions in the 20th and 21st century. Nature Communications, 2017, 8, 15697.	5.8	287

#	Article	IF	Citations
145	Water scarcity assessments in the past, present, and future. Earth's Future, 2017, 5, 545-559.	2.4	545
146	Water footprint of Jing-Jin-Ji urban agglomeration in China. Journal of Cleaner Production, 2017, 167, 919-928.	4.6	87
147	Challenges in operationalizing the waterâ€“energyâ€“food nexus. Hydrological Sciences Journal, 2017, 62, 1714-1720.	1.2	159
148	Quantifying changes in water use and groundwater availability in a megacity using novel integrated systems modeling. Geophysical Research Letters, 2017, 44, 8359-8368.	1.5	13
149	A comparison of changes in river runoff from multiple global and catchment-scale hydrological models under global warming scenarios of 1ÂÂ°C, 2ÂÂ°C and 3ÂÂ°C. Climatic Change, 2017, 141, 577-595.	1.7	104
150	Southâ€“south cooperation for largeâ€scale ecological restoration. Restoration Ecology, 2017, 25, 27-32.	1.4	8
151	Hydrology in a Coupled Humanâ€“Natural System: Research, Innovation, and Practices. Bulletin of the American Meteorological Society, 2017, 98, ES295-ES298.	1.7	5
152	Humanâ€“water interface in hydrological modelling: current status and future directions. Hydrology and Earth System Sciences, 2017, 21, 4169-4193.	1.9	171
153	Adaptation to Climate Change: A Comparative Analysis of Modeling Methods for Heat-Related Mortality. Environmental Health Perspectives, 2017, 125, 087008.	2.8	80
154	Life Cycle Analysis of Carbon Flow and Carbon Footprint of Harvested Wood Products of Larix principis-rupprechtii in China. Sustainability, 2016, 8, 247.	1.6	12
155	Water security â€“ China perspective. , 2016, , .		1
156	Reducing human nitrogen use for food production. Scientific Reports, 2016, 6, 30104.	1.6	46
157	Spatial distribution of soil organic carbon in the Zoige alpine wetland, northeastern Qinghaiâ€“Tibet Plateau. Catena, 2016, 144, 102-108.	2.2	47
158	Global assessment of nitrogen losses and trade-offs with yields from major crop cultivations. Science of the Total Environment, 2016, 572, 526-537.	3.9	49
159	Different seasonality of nitrate export from an agricultural watershed and an urbanized watershed in Midwestern USA. Journal of Hydrology, 2016, 541, 1375-1384.	2.3	12
160	Burden shifting of water quantity and quality stress from megacity <scp>S</scp>hanghai. Water Resources Research, 2016, 52, 6916-6927.	1.7	92
161	Estimating cropland carbon mitigation potentials in China affected by three improved cropland practices. Journal of Mountain Science, 2016, 13, 1840-1854.	0.8	5
162	Quantifying Uncertainties in Extreme Flood Predictions under Climate Change for a Medium-Sized Basin in Northeastern China. Journal of Hydrometeorology, 2016, 17, 3099-3112.	0.7	35

#	Article	IF	Citations
163	Assessing the land resourceâ€“food price nexus of the Sustainable Development Goals. Science Advances, 2016, 2, e1501499.	4.7	162
164	Improvements in ecosystem services from investments in natural capital. Science, 2016, 352, 1455-1459.	6.0	1,117
165	Reduction and reallocation of water use of products in Beijing. Ecological Indicators, 2016, 61, 893-898.	2.6	10
166	Bioenergy and the city â€“ What can urban forests contribute?. Applied Energy, 2016, 165, 990-1003.	5.1	23
167	Changes in soil organic carbon stocks of wetlands on China's Zoige plateau from 1980 to 2010. Ecological Modelling, 2016, 327, 18-28.	1.2	37
168	Ten-year variability in ecosystem water use efficiency in an oak-dominated temperate forest under a warming climate. Agricultural and Forest Meteorology, 2016, 218-219, 209-217.	1.9	52
169	Assessing water scarcity by simultaneously considering environmental flow requirements, water quantity, and water quality. Ecological Indicators, 2016, 60, 434-441.	2.6	182
170	Influence of human activities and climate variability on green and blue water provision in the Heihe River Basin, NW China. Journal of Water and Climate Change, 2015, 6, 800-815.	1.2	20
171	Consumers, food supply chain and the nexus. , 2015, , 303-323.		1
172	Refining soil organic carbon stock estimates for Chinaâ€™s palustrine wetlands. Environmental Research Letters, 2015, 10, 124016.	2.2	8
173	Recursive cross-entropy downscaling model for spatially explicit future land uses: A case study of the Heihe River Basin. Physics and Chemistry of the Earth, 2015, 89-90, 56-64.	1.2	13
174	Physical and virtual water transfers for regional water stress alleviation in China. Proceedings of the National Academy of Sciences of the United States of America, 2015, 112, 1031-1035.	3.3	392
175	Nutrient discharge from Chinaâ€™s aquaculture industry and associated environmental impacts. Environmental Research Letters, 2015, 10, 045002.	2.2	97
176	Manage water in a green way. Science, 2015, 349, 584-585.	6.0	130
177	Chinaâ€™s rising hydropower demand challenges water sector. Scientific Reports, 2015, 5, 11446.	1.6	72
178	Towards threshold-based management of freshwater ecosystems in the context of climate change. Ecological Modelling, 2015, 318, 265-274.	1.2	35
179	A new approach to assessing the water footprint of hydroelectric power based on allocation of water footprints among reservoir ecosystem services. Physics and Chemistry of the Earth, 2015, 79-82, 40-46.	1.2	44
180	Assessment of impact of climate change on the blue and green water resources in large river basins in China. Environmental Earth Sciences, 2015, 74, 6381-6394.	1.3	21

#	Article	IF	Citations
181	Historical trends of wetland areas in the agriculture and pasture interlaced zone: A case study of the Huangqihai Lake Basin in northern China. Ecological Modelling, 2015, 318, 168-176.	1.2	17
182	Optimal Grassland Locations for Sustainable Photovoltaic Water Pumping Systems in China. Energy Procedia, 2015, 75, 301-307.	1.8	8
183	Reduced carbon emission estimates from fossil fuel combustion and cement production in China. Nature, 2015, 524, 335-338.	13.7	1,185
184	Recent evolution of China's virtual water trade: analysis of selected crops and considerations for policy. Hydrology and Earth System Sciences, 2014, 18, 1349-1357.	1.9	33
185	An Auto-Calibration Tool for the Agricultural Policy Environmental eXtender (APEX) Model. Transactions of the ASABE, 2014, , 1087-1098.	1.1	6
186	Modelling methane emissions from natural wetlands by development and application of the TRIPLEX-GHG model. Geoscientific Model Development, 2014, 7, 981-999.	1.3	84
187	Long-term variability in the water budget and its controls in an oak-dominated temperate forest. Hydrological Processes, 2014, 28, 6054-6066.	1.1	17
188	Effects of ecological and conventional agricultural intensification practices on maize yields in sub-Saharan Africa under potential climate change. Environmental Research Letters, 2014, 9, 044004.	2.2	43
189	Exposure to ambient black carbon derived from a unique inventory and high-resolution model. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2459-2463.	3.3	148
190	Impacts of climate change on virtual water content of crops in China. Ecological Informatics, 2014, 19, 26-34.	2.3	26
191	Water Footprint Symposium: where next for water footprint and water assessment methodology?. International Journal of Life Cycle Assessment, 2014, 19, 1561-1565.	2.2	13
192	Scenario Analysis. , 2014, , 25-72.		1
193	A new approach to assess water footprint of hydropower: a case study of the Miyun reservoir in China. Acta Ecologica Sinica, 2014, 34, .	0.0	1
194	Reservoir Operation Incorporating Hedging Rules and Operational Inflow Forecasts. Water Resources Management, 2013, 27, 1427-1438.	1.9	27
195	Trend analysis for the flows of green and blue water in the Heihe River basin, northwestern China. Journal of Hydrology, 2013, 502, 27-36.	2.3	72
196	Water conservancy projects in China: Achievements, challenges and way forward. Global Environmental Change, 2013, 23, 633-643.	3.6	305
197	A simple approach to assess water scarcity integrating water quantity and quality. Ecological Indicators, 2013, 34, 441-449.	2.6	188
198	Climate Change Would Increase the Water Intensity of Irrigated Corn Ethanol. Environmental Science & Technology, 2013, 47, 6030-6037.	4.6	26

#	Article	IF	Citations
199	Food Losses and Waste in China and Their Implication for Water and Land. Environmental Science & Technology, 2013, 47, 10137-10144.	4.6	187
200	Integrated assessments of payments for ecosystem services programs. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 16297-16298.	3.3	68
201	A Global and Spatially Explicit Assessment of Climate Change Impacts on Crop Production and Consumptive Water Use. PLoS ONE, 2013, 8, e57750.	1.1	83
202	Water Sustainability for China and Beyond. Science, 2012, 337, 649-650.	6.0	404
203	A Hybrid Wetland Map for China: A Synergistic Approach Using Census and Spatially Explicit Datasets. PLoS ONE, 2012, 7, e47814.	1.1	20
204	Assessment of spatial and temporal patterns of green and blue water flows under natural conditions in inland river basins in Northwest China. Hydrology and Earth System Sciences, 2012, 16, 2859-2870.	1.9	130
205	Assessing water footprint at river basin level: a case study for the Heihe River Basin in northwest China. Hydrology and Earth System Sciences, 2012, 16, 2771-2781.	1.9	179
206	Preface "Water, climate, and vegetation: ecohydrology in a changing world". Hydrology and Earth System Sciences, 2012, 16, 4633-4636.	1.9	9
207	Applying input-output analysis method for calculation of water footprint and virtual water trade in Gansu Province. Acta Ecologica Sinica, 2012, 32, 6481-6488.	0.0	7
208	Cropland for sub-Saharan Africa: A synergistic approach using five land cover data sets. Geophysical Research Letters, 2011, 38, n/a-n/a.	1.5	87
209	Spatially explicit assessment of global consumptive water uses in cropland: Green and blue water. Journal of Hydrology, 2010, 384, 187-197.	2.3	220
210	Forecasting of rainfall using ocean-atmospheric indices with a fuzzy neural technique. Journal of Hydrology, 2010, 395, 190-198.	2.3	19
211	A high-resolution assessment on global nitrogen flows in cropland. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8035-8040.	3.3	470
212	Modeling and decoupling control simulation for a virtual coupling heater system. , 2010, , .		0
213	Global agricultural green and blue water consumptive uses and virtual water trade. , 2010, , 23-32.		1
214	China Fights Against Statistical Corruption. Science, 2009, 325, 675-676.	6.0	37
215	Consumptive water use in cropland and its partitioning: A high-resolution assessment. Science in China Series D: Earth Sciences, 2009, 52, 3309-3314.	0.9	10
216	Land and water requirements of biofuel and implications for food supply and the environment in China. Energy Policy, 2009, 37, 1876-1885.	4.2	167

#	Article	IF	Citations
217	A GIS-based tool for modelling large-scale crop-water relations. Environmental Modelling and Software, 2009, 24, 411-422.	1.9	148
218	Using MODAWEC to generate daily weather data for the EPIC model. Environmental Modelling and Software, 2009, 24, 655-664.	1.9	53
219	Global consumptive water use for crop production: The importance of green water and virtual water. Water Resources Research, 2009, 45, .	1.7	203
220	Time to break the silence around virtual-water imports. Nature, 2008, 453, 587-587.	13.7	30
221	China's move to higher-meat diet hits water security. Nature, 2008, 454, 397-397.	13.7	77
222	Regional assessment of environmental vulnerability in the Tibetan Plateau: Development and application of a new method. Journal of Arid Environments, 2008, 72, 1929-1939.	1.2	140
223	A spatially explicit assessment of current and future hotspots of hunger in Sub-Saharan Africa in the context of global change. Global and Planetary Change, 2008, 64, 222-235.	1.6	188
224	Studies on protamine purification by surfactant precipitation. Journal of Biotechnology, 2008, 136, S501-S502.	1.9	0
225	Ecological and socioeconomic effects of China's policies for ecosystem services. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 9477-9482.	3.3	1,080
226	Food consumption patterns and their effect on water requirement in China. Hydrology and Earth System Sciences, 2008, 12, 887-898.	1.9	176
227	Evaluation and improvement of the MODIS land surface temperature/emissivity products using groundâ€based measurements at a semiâ€desert site on the western Tibetan Plateau. International Journal of Remote Sensing, 2007, 28, 2549-2565.	1.3	73
228	GEPIC â€“ modelling wheat yield and crop water productivity with high resolution on a global scale. Agricultural Systems, 2007, 94, 478-493.	3.2	341
229	Complexity of Coupled Human and Natural Systems. Science, 2007, 317, 1513-1516.	6.0	2,705
230	Historical Trends in China's Virtual Water Trade. Water International, 2007, 32, 78-90.	0.4	80
231	Modeling the role of irrigation in winter wheat yield, crop water productivity, and production in China. Irrigation Science, 2007, 26, 21-33.	1.3	133
232	Reverse micelles extraction of nattokinase: From model system to real system. Science Bulletin, 2006, 51, 796-801.	4.3	6
233	Spatial and temporal patterns of China's cropland during 1990â€“2000: An analysis based on Landsat TM data. Remote Sensing of Environment, 2005, 98, 442-456.	4.6	918
234	Forecast of water demand in Weinan City in China using WDF-ANN model. Physics and Chemistry of the Earth, 2003, 28, 219-224.	1.2	86

#	Article	IF	Citations
235	Water as an economic good and water tariff design. Physics and Chemistry of the Earth, 2003, 28, 209-217.	1.2	22
236	Scientific debate of Panta Rhei research â€“ how to advance our knowledge of changes in hydrology and society?. Hydrological Sciences Journal, 0, , 1-3.	1.2	7
237	Panta Rhei 2013â€“2015: global perspectives on hydrology, society and change. Hydrological Sciences Journal, 0, , 1-18.	1.2	53
238	Prediction of River Pollution Under the Rainfall-Runoff Impact by Artificial Neural Network: A Case Study of Shiyan River, Shenzhen, China. Frontiers in Environmental Science, 0, 10, .	1.5	2