

Yanjun Shen

List of Publications by Year in Descending Order

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Version: 2024-04-28

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

114
papers

4,798
citations

34
h-index

67
g-index

122
ext. papers

5,693
ext. citations

4.6
avg, IF

5.77
L-index

#	Paper	IF	Citations
114	Projecting future changes in extreme climate for maize production in the North China Plain and the role of adjusting the sowing date. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2022 , 27, 1	3.9	1
113	Increasing shrinkage risk of endorheic lakes in the middle of farming-pastoral ecotone of Northern China. <i>Ecological Indicators</i> , 2022 , 135, 108523	5.8	1
112	Evaluating nitrate transport and accumulation in the deep vadose zone of the intensive agricultural region, North China Plain.. <i>Science of the Total Environment</i> , 2022 , 153894	10.2	2
111	Balancing water and food by optimizing the planting structure in the Beijing-Tianjin-Hebei region, China. <i>Agricultural Water Management</i> , 2021 , 262, 107326	5.9	0
110	A Satellite-Based Method for National Winter Wheat Yield Estimating in China. <i>Remote Sensing</i> , 2021 , 13, 4680	5	3
109	Quantifying impacts of climate dynamics and land-use changes on water yield service in the agro-pastoral ecotone of northern China. <i>Science of the Total Environment</i> , 2021 , 809, 151153	10.2	4
108	Future climate change impacts on grain yield and groundwater use under different cropping systems in the North China Plain. <i>Agricultural Water Management</i> , 2021 , 246, 106685	5.9	12
107	The Impact of Land Use Change on Water-Related Ecosystem Services in the Bashang Area of Hebei Province, China. <i>Sustainability</i> , 2021 , 13, 716	3.6	2
106	Revegetation projects significantly improved ecosystem service values in the agro-pastoral ecotone of northern China in recent 20 years. <i>Science of the Total Environment</i> , 2021 , 788, 147756	10.2	10
105	Groundwater Storage Recovery Raises the Risk of Nitrate Pollution.. <i>Environmental Science & Technology</i> , 2021 ,	10.3	1
104	Evaluating the Impact of Alternative Cropping Systems on Groundwater Consumption and Nitrate Leaching in the Piedmont Area of the North China Plain. <i>Agronomy</i> , 2020 , 10, 1635	3.6	5
103	LUCC-Driven Changes in Gross Primary Production and Actual Evapotranspiration in Northern China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2020 , 125, e2019JD031705	4.4	12
102	Decadal water storage decrease driven by vegetation changes in the Yellow River Basin. <i>Science Bulletin</i> , 2020 , 65, 1859-1861	10.6	17
101	Review of historical and projected future climatic and hydrological changes in mountainous semiarid Xinjiang (northwestern China), central Asia. <i>Catena</i> , 2020 , 187, 104343	5.8	18
100	Water-Saving Potential of Subsurface Drip Irrigation For Winter Wheat. <i>Sustainability</i> , 2019 , 11, 2978	3.6	18
99	Groundwater recharge under irrigated agro-ecosystems in the North China Plain: From a critical zone perspective. <i>Journal of Chinese Geography</i> , 2019 , 29, 877-890	3.7	6
98	Change of winter wheat planting area and its impacts on groundwater depletion in the North China Plain. <i>Journal of Chinese Geography</i> , 2019 , 29, 891-908	3.7	16

97	Mapping the agricultural land use of the North China Plain in 2002 and 2012. <i>Journal of Chinese Geography</i> , 2019 , 29, 909-921	3.7	7
96	Using NDVI percentiles to monitor real-time crop growth. <i>Computers and Electronics in Agriculture</i> , 2019 , 162, 357-363	6.5	28
95	Water Conservation for Sustainable Agriculture 2019 , 1-11		
94	Interactions among the Phenological Events of Winter Wheat in the North China Plain-Based on Field Data and Improved MODIS Estimation. <i>Remote Sensing</i> , 2019 , 11, 2976	5	3
93	Spatio-temporal variations in extreme drought in China during 1961–2015. <i>Journal of Chinese Geography</i> , 2019 , 29, 67-83	3.7	17
92	Tracking climate change in Central Asia through temperature and precipitation extremes. <i>Journal of Chinese Geography</i> , 2019 , 29, 3-28	3.7	22
91	Modelling agro-environmental variables under data availability limitations and scenario managements in an alluvial region of the North China Plain. <i>Environmental Modelling and Software</i> , 2019 , 111, 94-107	5.2	5
90	Wastewater irrigation: past, present, and future. <i>Wiley Interdisciplinary Reviews: Water</i> , 2019 , 6, e1234	5.7	59
89	Water movement and solute transport in deep vadose zone under four irrigated agricultural land-use types in the North China Plain. <i>Journal of Hydrology</i> , 2018 , 559, 510-522	6	27
88	Attribution analysis of changing pan evaporation in the Qinghai-Tibetan Plateau, China. <i>International Journal of Climatology</i> , 2018 , 38, e1032-e1043	3.5	6
87	Unraveling the Hydrology of the Glacierized Kaidu Basin by Integrating Multisource Data in the Tianshan Mountains, Northwestern China. <i>Water Resources Research</i> , 2018 , 54, 557-580	5.4	13
86	Trends and variability in streamflow and snowmelt runoff timing in the southern Tianshan Mountains. <i>Journal of Hydrology</i> , 2018 , 557, 173-181	6	48
85	Comparison of the water budget for the typical cropland and pear orchard ecosystems in the North China Plain. <i>Agricultural Water Management</i> , 2018 , 198, 53-64	5.9	19
84	Quantitative evaluation of the rainfall influence on streamflow in an inland mountainous river basin within Central Asia. <i>Hydrological Sciences Journal</i> , 2018 , 63, 17-30	3.5	8
83	Evaluating water conservation effects due to cropping system optimization on the Beijing-Tianjin-Hebei plain, China. <i>Agricultural Systems</i> , 2018 , 159, 32-41	6.1	31
82	Spatial-Temporal Change of Agricultural Biomass and Carbon Capture Capability in the Mid-South of Hebei Province 2018 , 159-187		
81	Web-based irrigation decision support system with limited inputs for farmers. <i>Agricultural Water Management</i> , 2018 , 210, 279-285	5.9	19
80	Quantification of the impacts of climate change and human agricultural activities on oasis water requirements in an arid region: a case study of the Heihe River basin, China. <i>Earth System Dynamics</i> , 2018 , 9, 211-225	4.8	12

79	Characterising deep vadose zone water movement and solute transport under typical irrigated cropland in the North China Plain. <i>Hydrological Processes</i> , 2017 , 31, 1498-1509	3.3	13
78	Impact of alternative cropping systems on groundwater use and grain yields in the North China Plain Region. <i>Agricultural Systems</i> , 2017 , 153, 109-117	6.1	51
77	Two ultraviolet radiation datasets that cover China. <i>Advances in Atmospheric Sciences</i> , 2017 , 34, 805-815	2.9	12
76	Impacts of varied irrigation on field water budgets and crop yields in the North China Plain: Rainfed vs. irrigated double cropping system. <i>Agricultural Water Management</i> , 2017 , 190, 42-54	5.9	13
75	Changes of precipitation extremes in arid Central Asia. <i>Quaternary International</i> , 2017 , 436, 16-27	2	46
74	Water requirements of the oasis in the middle Heihe River Basin, China: Trends and causes 2017 ,		1
73	Water footprint of crop production for different crop structures in the Hebei southern plain, North China. <i>Hydrology and Earth System Sciences</i> , 2017 , 21, 3061-3069	5.5	26
72	Soil moisture dynamics and implications for irrigation of farmland with a deep groundwater table. <i>Agricultural Water Management</i> , 2017 , 192, 138-148	5.9	9
71	Estimation of land surface evapotranspiration over complex terrain based on multi-spectral remote sensing data. <i>Hydrological Processes</i> , 2017 , 31, 446-461	3.3	7
70	Detection of human-induced evapotranspiration using GRACE satellite observations in the Haihe River basin of China. <i>Geophysical Research Letters</i> , 2017 , 44, 190-199	4.9	84
69	Sensitivity of terrestrial water and carbon fluxes to climate variability in semi-humid basins of Haihe River, China. <i>Ecological Modelling</i> , 2017 , 353, 117-128	3	6
68	Evaluation of the CropSyst Model during Wheat-Maize Rotations on the North China Plain for Identifying Soil Evaporation Losses. <i>Frontiers in Plant Science</i> , 2017 , 8, 1667	6.2	16
67	Impact of warming climate and cultivar change on maize phenology in the last three decades in North China Plain. <i>Theoretical and Applied Climatology</i> , 2016 , 124, 653-661	3	45
66	Combined impact of climate change, cultivar shift, and sowing date on spring wheat phenology in Northern China. <i>Journal of Meteorological Research</i> , 2016 , 30, 820-831	2.3	14
65	Changes in reference evapotranspiration over an agricultural region in the Qinghai-Tibetan plateau, China. <i>Theoretical and Applied Climatology</i> , 2016 , 123, 107-115	3	9
64	Effects of colloidal particle size on the geochemical characteristics of REE in the water in southern Jiangxi province, China. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	9
63	Comparison of winter wheat yield sensitivity to climate variables under irrigated and rain-fed conditions. <i>Frontiers of Earth Science</i> , 2016 , 10, 444-454	1.7	4
62	Agricultural water supply/demand changes under projected future climate change in the arid region of northwestern China. <i>Journal of Hydrology</i> , 2016 , 540, 257-273	6	62

61	Spatial-temporal variation of near-surface temperature lapse rates over the Tianshan Mountains, central Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2016 , 121, 14,006-14,017	4.4	20
60	Water and ecological security: dealing with hydroclimatic challenges at the heart of China's Silk Road. <i>Environmental Earth Sciences</i> , 2016 , 75, 1	2.9	41
59	Quantifying water and energy budgets and the impacts of climatic and human factors in the Haihe River Basin, China: 1. Model and validation. <i>Journal of Hydrology</i> , 2015 , 528, 206-216	6	31
58	Re-evaluation of future water stress due to socio-economic and climate factors under a warming climate. <i>Hydrological Sciences Journal</i> , 2015 , 60, 14-29	3.5	26
57	Estimating groundwater recharge using deep vadose zone data under typical irrigated cropland in the piedmont region of the North China Plain. <i>Journal of Hydrology</i> , 2015 , 527, 305-315	6	62
56	Modeling demand/supply of water resources in the arid region of northwestern China during the late 1980s to 2010. <i>Journal of Chinese Geography</i> , 2015 , 25, 573-591	3.7	21
55	Calculation of albedo on complex terrain using MODIS data: a case study in Taihang Mountain of China. <i>Environmental Earth Sciences</i> , 2015 , 74, 6315-6324	2.9	6
54	Spatiotemporal variability of winter wheat phenology in response to weather and climate variability in China. <i>Mitigation and Adaptation Strategies for Global Change</i> , 2015 , 20, 1191-1202	3.9	43
53	Impacts of varying agricultural intensification on crop yield and groundwater resources: comparison of the North China Plain and US High Plains. <i>Environmental Research Letters</i> , 2015 , 10, 044013	6.2	42
52	Simulation of surface runoff and sediment yield under different land-use in a Taihang Mountains watershed, North China. <i>Soil and Tillage Research</i> , 2015 , 153, 7-19	6.5	12
51	Quantifying water and energy budgets and the impacts of climatic and human factors in the Haihe River Basin, China: 2. Trends and implications to water resources. <i>Journal of Hydrology</i> , 2015 , 527, 251-261	6	28
50	Evaluation of the FAO AquaCrop model for winter wheat on the North China Plain under deficit irrigation from field experiment to regional yield simulation. <i>Agricultural Water Management</i> , 2014 , 135, 61-72	5.9	109
49	On the Relationship of Soil Moisture and Extreme Temperatures in East China. <i>Earth Interactions</i> , 2014 , 18, 1-20	1.5	34
48	Projection of future world water resources under SRES scenarios: an integrated assessment. <i>Hydrological Sciences Journal</i> , 2014 , 59, 1775-1793	3.5	30
47	Drought and flood monitoring for a large karst plateau in Southwest China using extended GRACE data. <i>Remote Sensing of Environment</i> , 2014 , 155, 145-160	13.2	215
46	Attribution of satellite-observed vegetation trends in a hyper-arid region of the Heihe River basin, Western China. <i>Hydrology and Earth System Sciences</i> , 2014 , 18, 3499-3509	5.5	16
45	Statistical analysis of the relationship between spring soil moisture and summer precipitation in East China. <i>International Journal of Climatology</i> , 2014 , 34, 1511-1523	3.5	33
44	Evaluating the vegetation growing season changes in the arid region of northwestern China. <i>Theoretical and Applied Climatology</i> , 2014 , 118, 569-579	3	18

43	Identifying interactions between river water and groundwater in the North China Plain using multiple tracers. <i>Environmental Earth Sciences</i> , 2014 , 72, 99-110	2.9	20
42	Change of Potential Evapotranspiration and Its Implications to Water Cycle 2014 , 267-287		
41	Vegetation dynamics and their response to hydroclimatic factors in the Tarim River Basin, China. <i>Ecohydrology</i> , 2013 , 6, 927-936	2.5	32
40	Estimation of regional irrigation water requirement and water supply risk in the arid region of Northwestern China 1989-2010. <i>Agricultural Water Management</i> , 2013 , 128, 55-64	5.9	110
39	Analysis of changing pan evaporation in the arid region of Northwest China. <i>Water Resources Research</i> , 2013 , 49, 2205-2212	5.4	82
38	Spatial characteristics of surface water and groundwater using water stable isotope in the Tarim River Basin, northwestern China. <i>Ecohydrology</i> , 2013 , 6, 1031-1039	2.5	9
37	Characteristics of the water-energy-carbon fluxes of irrigated pear (<i>Pyrus bretschneideri</i> Rehd) orchards in the North China Plain. <i>Agricultural Water Management</i> , 2013 , 128, 140-148	5.9	25
36	Energy/water budgets and productivity of the typical croplands irrigated with groundwater and surface water in the North China Plain. <i>Agricultural and Forest Meteorology</i> , 2013 , 181, 133-142	5.8	64
35	Spatially explicit estimation of domestic water use in the arid region of northwestern China: 1985-2009. <i>Hydrological Sciences Journal</i> , 2013 , 58, 162-176	3.5	9
34	Ecohydrology of the inland river basins in the Northwestern Arid Region of China. <i>Ecohydrology</i> , 2013 , 6, 905-908	2.5	2
33	Effects of saline water drip irrigation on soil salinity and cotton growth in an Oasis Field. <i>Ecohydrology</i> , 2013 , 6, 1021-1030	2.5	13
32	Multiple methods for calculating minimum ecological flux of the desiccated Lower Tarim River, Western China. <i>Ecohydrology</i> , 2013 , 6, 1040-1047	2.5	10
31	Estimation of agricultural water consumption from meteorological and yield data: a case study of Hebei, North China. <i>PLoS ONE</i> , 2013 , 8, e58685	3.7	48
30	Quantifying the spatial differences of landscape change in the Hai River Basin, China, in the 1990s. <i>International Journal of Remote Sensing</i> , 2012 , 33, 4482-4501	3.1	10
29	Decadal Trends in Evaporation from Global Energy and Water Balances. <i>Journal of Hydrometeorology</i> , 2012 , 13, 379-391	3.7	68
28	Desiccation of the Tarim River, Xinjiang, China, and mitigation strategy. <i>Quaternary International</i> , 2011 , 244, 264-271	2	72
27	Evapotranspiration and its partitioning in an irrigated winter wheat field: A combined isotopic and micrometeorologic approach. <i>Journal of Hydrology</i> , 2011 , 408, 203-211	6	92
26	Spatial and temporal trends of climate change in Xinjiang, China. <i>Journal of Chinese Geography</i> , 2011 , 21, 1007-1018	3.7	91

25	Simulation of evapotranspiration and carbon dioxide flux in the wheat-maize rotation croplands of the North China Plain using the Simple Biosphere Model. <i>Hydrological Processes</i> , 2011 , 25, 3107-3120	3.3	12
24	Coupling land surface and crop growth models for predicting evapotranspiration and carbon exchange in wheat-maize rotation croplands. <i>Biogeosciences</i> , 2010 , 7, 3363-3375	4.6	17
23	Effect of precipitation change on water balance and WUE of the winter wheat-summer maize rotation in the North China Plain. <i>Agricultural Water Management</i> , 2010 , 97, 1139-1145	5.9	192
22	Trend in pan evaporation and its attribution over the past 50 years in China. <i>Journal of Chinese Geography</i> , 2010 , 20, 557-568	3.7	43
21	Global perspective on hydrology, water balance, and water resources management in arid basins. <i>Hydrological Processes</i> , 2009 , 24, n/a-n/a	3.3	28
20	Change in pan evaporation over the past 50 years in the arid region of China. <i>Hydrological Processes</i> , 2009 , 24, n/a-n/a	3.3	21
19	Projection of future world water resources under SRES scenarios: water withdrawal / Projection des ressources en eau mondiales futures selon les scénarios du RSSE: prélèvement d'eau. <i>Hydrological Sciences Journal</i> , 2008 , 53, 11-33	3.5	135
18	An integrated model for the assessment of global water resources [Part 2: Applications and assessments. <i>Hydrology and Earth System Sciences</i> , 2008 , 12, 1027-1037	5.5	287
17	An integrated model for the assessment of global water resources [Part 1: Model description and input meteorological forcing. <i>Hydrology and Earth System Sciences</i> , 2008 , 12, 1007-1025	5.5	390
16	Groundwater Resources in Urban Water Management. <i>Library for Sustainable Urban Regeneration</i> , 2008 , 35-59		
15	A SRES-based gridded global population dataset for 1990-2100. <i>Population and Environment</i> , 2007 , 28, 113-131	4	63
14	DEVELOPMENT OF A GLOBAL INTEGRATED WATER RESOURCES MODEL FOR WATER RESOURCES ASSESSMENTS UNDER CLIMATE CHANGE. <i>Proceedings of Hydraulic Engineering</i> , 2007 , 51, 229-234		1
13	Development of topsoil grain size index for monitoring desertification in arid land using remote sensing. <i>International Journal of Remote Sensing</i> , 2006 , 27, 2411-2422	3.1	80
12	Effects of irrigation on water balance, yield and WUE of winter wheat in the North China Plain. <i>Agricultural Water Management</i> , 2006 , 85, 211-218	5.9	250
11	Evaluating urban expansion and land use change in Shijiazhuang, China, by using GIS and remote sensing. <i>Landscape and Urban Planning</i> , 2006 , 75, 69-80	7.7	457
10	Seasonal variation of energy partitioning in irrigated lands. <i>Hydrological Processes</i> , 2004 , 18, 2223-2234	3.3	28
9	Measurement and analysis of the redistribution of soil moisture and solutes in a maize field in the lower reaches of the Yellow River. <i>Hydrological Processes</i> , 2004 , 18, 2263-2273	3.3	12
8	Energy fluxes and the Priestley-Taylor parameter over winter wheat and maize in the North China Plain. <i>Hydrological Processes</i> , 2004 , 18, 2235-2246	3.3	27

7	Assessment of groundwater contamination by nitrates associated with wastewater irrigation: A case study in Shijiazhuang region, China. <i>Hydrological Processes</i> , 2004 , 18, 2303-2312	3.3	39
6	Effect of soil water deficit on evapotranspiration, crop yield, and water use efficiency in the North China Plain. <i>Agricultural Water Management</i> , 2004 , 64, 107-122	5.9	210
5	Measurement of evapotranspiration in a winter wheat field. <i>Hydrological Processes</i> , 2002 , 16, 2805-2817	3.3	32
4	Measurement and analysis of evapotranspiration and surface conductance of a wheat canopy. <i>Hydrological Processes</i> , 2002 , 16, 2173-2187	3.3	46
3	Detection of land desertification and topsoil grain size using remote sensing		1
2	Peak river flows in cold regions □Drivers and modelling using GRACE satellite observations and temperature data		2
1	The seasonal and spatial distribution of hydrochemical characteristics of groundwater and its controlling factors in the eastern Loess Plateau. <i>Earth Science Informatics</i> , 1	2.5	1