

# Shengjie Wang

## List of Publications by Year in descending order

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Version: 2024-02-01

90  
papers

2,162  
citations

201575

27  
h-index

265120

42  
g-index

90  
all docs

90  
docs citations

90  
times ranked

2016  
citing authors

#	ARTICLE	IF	CITATIONS
1	Changes in extreme events of temperature and precipitation over Xinjiang, northwest China, during 1960–2009. <i>Quaternary International</i> , 2013, 298, 141-151.	0.7	136
2	Extreme drought changes in Southwest China from 1960 to 2009. <i>Journal of Chinese Geography</i> , 2013, 23, 3-16.	1.5	135
3	Contribution of recycled moisture to precipitation in oases of arid central Asia: A stable isotope approach. <i>Water Resources Research</i> , 2016, 52, 3246-3257.	1.7	95
4	Influence of Below-Cloud Evaporation on Deuterium Excess in Precipitation of Arid Central Asia and Its Meteorological Controls. <i>Journal of Hydrometeorology</i> , 2016, 17, 1973-1984.	0.7	89
5	The effect of moisture source and synoptic conditions on precipitation isotopes in arid central Asia. <i>Journal of Geophysical Research D: Atmospheres</i> , 2017, 122, 2667-2682.	1.2	89
6	Changes in extreme precipitation over Northeast China, 1960–2011. <i>Quaternary International</i> , 2013, 298, 177-186.	0.7	82
7	Glacier area variation and climate change in the Chinese Tianshan Mountains since 1960. <i>Journal of Chinese Geography</i> , 2011, 21, 263-273.	1.5	78
8	Recent changes in daily extremes of temperature and precipitation over the western Tibetan Plateau, 1973–2011. <i>Quaternary International</i> , 2013, 313-314, 110-117.	0.7	75
9	Factors controlling stable isotope composition of precipitation in arid conditions: an observation network in the Tianshan Mountains, central Asia. <i>Tellus, Series B: Chemical and Physical Meteorology</i> , 2022, 68, 26206.	0.8	73
10	Changes in precipitation extremes in alpine areas of the Chinese Tianshan Mountains, central Asia, 1961–2011. <i>Quaternary International</i> , 2013, 311, 97-107.	0.7	54
11	A review of precipitation isotope studies in China: Basic pattern and hydrological process. <i>Journal of Chinese Geography</i> , 2016, 26, 921-938.	1.5	54
12	Decrease in snowfall/rainfall ratio in the Tibetan Plateau from 1961 to 2013. <i>Journal of Chinese Geography</i> , 2016, 26, 1277-1288.	1.5	53
13	Comparison of surface air temperature derived from NCEP/DOE R2, ERA-Interim, and observations in the arid northwestern China: a consideration of altitude errors. <i>Theoretical and Applied Climatology</i> , 2015, 119, 99-111.	1.3	52
14	Relationship between sub-cloud secondary evaporation and stable isotopes in precipitation of Lanzhou and surrounding area. <i>Quaternary International</i> , 2015, 380-381, 68-74.	0.7	48
15	Changes in precipitation extremes over Shaanxi Province, northwestern China, during 1960–2011. <i>Quaternary International</i> , 2013, 313-314, 118-129.	0.7	47
16	Changes in daily extreme precipitation events in South China from 1961 to 2011. <i>Journal of Chinese Geography</i> , 2015, 25, 58-68.	1.5	47
17	Comparison of monthly precipitation derived from high-resolution gridded datasets in arid Xinjiang, central Asia. <i>Quaternary International</i> , 2015, 358, 160-170.	0.7	44
18	Changes in temperature extremes in the Yangtze River Basin, 1962–2011. <i>Journal of Chinese Geography</i> , 2014, 24, 59-75.	1.5	42

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19	Changes in air temperature over China in response to the recent global warming hiatus. <i>Journal of Chinese Geography</i> , 2019, 29, 496-516.	1.5	38
20	Recent changes in freezing level heights in High Asia and their impact on glacier changes. <i>Journal of Geophysical Research D: Atmospheres</i> , 2014, 119, 1753-1765.	1.2	34
21	An investigation of moisture sources and secondary evaporation in Lanzhou, Northwest China. <i>Environmental Earth Sciences</i> , 2014, 71, 3375-3385.	1.3	32
22	Characteristics of atmospheric precipitation isotopes and isotopic evidence for the moisture origin in Yushugou River basin, Eastern Tianshan Mountains, China. <i>Quaternary International</i> , 2015, 380-381, 106-115.	0.7	31
23	Characteristics of the ratios of snow, rain and sleet to precipitation on the Qinghai-Tibet Plateau during 1961–2014. <i>Quaternary International</i> , 2017, 444, 137-150.	0.7	31
24	Energy balance model of mass balance and its sensitivity to meteorological variability on Urumqi River Glacier No.1 in the Chinese Tien Shan. <i>Scientific Reports</i> , 2019, 9, 13958.	1.6	31
25	Decreasing potential evapotranspiration in the Huanghe River Watershed in climate warming during 1960–2010. <i>Journal of Chinese Geography</i> , 2012, 22, 977-988.	1.5	30
26	Meteoric water lines in arid Central Asia using event-based and monthly data. <i>Journal of Hydrology</i> , 2018, 562, 435-445.	2.3	29
27	Glacier area shrinkage in China and its climatic background during the past half century. <i>Journal of Chinese Geography</i> , 2012, 22, 15-28.	1.5	28
28	Environmental controls on stable isotopes of precipitation in Lanzhou, China: An enhanced network at city scale. <i>Science of the Total Environment</i> , 2017, 609, 1013-1022.	3.9	27
29	Water Source Signatures in the Spatial and Seasonal Isotope Variation of Chinese Tap Waters. <i>Water Resources Research</i> , 2018, 54, 9131-9143.	1.7	25
30	Preliminary research on hydrogen and oxygen stable isotope characteristics of different water bodies in the Qilian Mountains, northwestern Tibetan Plateau. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	21
31	Changes in Below-Cloud Evaporation Affect Precipitation Isotopes During Five Decades of Warming Across China. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2020JD033075.	1.2	21
32	Spatial and Seasonal Isotope Variability in Precipitation across China: Monthly Isoscapes Based on Regionalized Fuzzy Clustering. <i>Journal of Climate</i> , 2022, 35, 3411-3425.	1.2	21
33	Stable Isotopic Characteristics and Influencing Factors in Precipitation in the Monsoon Marginal Region of Northern China. <i>Atmosphere</i> , 2018, 9, 97.	1.0	20
34	RS analysis of glaciers change in the Heihe River Basin, Northwest China, during the recent decades. <i>Journal of Chinese Geography</i> , 2014, 24, 993-1008.	1.5	19
35	Comparison of GCM-simulated isotopic compositions of precipitation in arid central Asia. <i>Journal of Chinese Geography</i> , 2015, 25, 771-783.	1.5	19
36	Glacier mass-balance and length variation observed in China during the periods 1959–2015 and 1930–2014. <i>Quaternary International</i> , 2017, 454, 68-84.	0.7	18

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37	Stable isotopic characteristics of precipitation in Lanzhou City and its surrounding areas, Northwest China. <i>Environmental Earth Sciences</i> , 2015, 73, 4671-4680.	1.3	17
38	The test of the ecohydrological separation hypothesis in a dry zone of the northeastern Tibetan Plateau. <i>Ecohydrology</i> , 2019, 12, e2077.	1.1	17
39	Isotopic evidence in modern precipitation for the westerly meridional movement in Central Asia. <i>Atmospheric Research</i> , 2021, 259, 105698.	1.8	17
40	The Stable Isotopic Composition of Different Water Bodies at the Soil-Plant-Atmosphere Continuum (SPAC) of the Western Loess Plateau, China. <i>Water (Switzerland)</i> , 2019, 11, 1742.	1.2	14
41	Reconstruction of surface air temperature in a glaciated region in the western Qilian Mountains, Tibetan Plateau, 1957-2013 and its variation characteristics. <i>Quaternary International</i> , 2015, 371, 22-30.	0.7	13
42	Assessment of diurnal variation of summer precipitation over the Qilian Mountains based on an hourly merged dataset from 2008 to 2014. <i>Journal of Chinese Geography</i> , 2017, 27, 326-336.	1.5	13
43	Delayed warming in Northeast China: Insights from an annual temperature reconstruction based on tree-ring $\delta^{18}O$ . <i>Science of the Total Environment</i> , 2020, 749, 141432.	3.9	13
44	Heavy metal-polluted aerosols collected at a rural site, Northwest China. <i>Journal of Earth Science (Wuhan, China)</i> , 2017, 28, 535-544.	1.1	12
45	Stable Isotope Composition in Surface Water in the Upper Yellow River in Northwest China. <i>Water (Switzerland)</i> , 2019, 11, 967.	1.2	12
46	Recycled moisture in an enclosed basin, Guanzhong Basin of Northern China, in the summer: Contribution to precipitation based on a stable isotope approach. <i>Environmental Science and Pollution Research</i> , 2020, 27, 27926-27936.	2.7	12
47	Estimation of areal precipitation in the Qilian Mountains based on a gridded dataset since 1961. <i>Journal of Chinese Geography</i> , 2016, 26, 59-69.	1.5	11
48	Near-surface air temperature lapse rates in Xinjiang, northwestern China. <i>Theoretical and Applied Climatology</i> , 2018, 131, 1221-1234.	1.3	11
49	Quantitative evaluation of glacier change and its response to climate change in the Chinese Tien Shan. <i>Cold Regions Science and Technology</i> , 2018, 153, 144-155.	1.6	11
50	Sub-Hourly Variability of Stable Isotopes in Precipitation in the Marginal Zone of East Asian Monsoon. <i>Water (Switzerland)</i> , 2020, 12, 2145.	1.2	11
51	Spatio-Temporal Evolution and Prediction of Tourism Comprehensive Climate Comfort in Henan Province, China. <i>Atmosphere</i> , 2021, 12, 823.	1.0	11
52	The Significance of Hydrogen and Oxygen Stable Isotopes in the Water Vapor Source in Dingxi Area. <i>Water (Switzerland)</i> , 2021, 13, 2374.	1.2	11
53	Stable water isotopes of precipitation in China simulated by SWING2 models. <i>Arabian Journal of Geosciences</i> , 2016, 9, 1.	0.6	10
54	Long-distance atmospheric moisture dominates water budget in permafrost regions of the Central Qinghai-Tibet plateau. <i>Hydrological Processes</i> , 2020, 34, 4280-4294.	1.1	10

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55	Increased extreme warming events and the differences in the observed hydrothermal responses of the active layer to these events in China's permafrost regions. <i>Climate Dynamics</i> , 2022, 59, 785-804.	1.7	10
56	An hourly-scale assessment of sub-cloud evaporation effect on precipitation isotopes in a rainshadow oasis of northwest China. <i>Atmospheric Research</i> , 2022, 274, 106202.	1.8	10
57	Dynamic response to climate change in the radial growth of <i>Picea schrenkiana</i> in western Tien Shan, China. <i>Journal of Forestry Research</i> , 2022, 33, 147-157.	1.7	9
58	Suspended sediment and total dissolved solid yield patterns at the headwaters of Urumqi River, northwestern China: a comparison between glacial and non-glacial catchments. <i>Hydrological Processes</i> , 2014, 28, 5034-5047.	1.1	8
59	The freezing level height in the Qilian Mountains, northeast Tibetan Plateau based on reanalysis data and observations, 1979-2012. <i>Quaternary International</i> , 2015, 380-381, 60-67.	0.7	8
60	Ammonium nitrogen concentration in the Weihe River, central China during 2005-2015. <i>Environmental Earth Sciences</i> , 2016, 75, 1.	1.3	8
61	Stable Isotope Ratios in Tap Water of a Riverside City in a Semi-Arid Climate: An Application to Water Source Determination. <i>Water (Switzerland)</i> , 2019, 11, 1441.	1.2	8
62	Water Stable Isotopes in an Alpine Setting of the Northeastern Tibetan Plateau. <i>Water (Switzerland)</i> , 2019, 11, 770.	1.2	8
63	Deuterium Excess in Precipitation Reveals Water Vapor Source in the Monsoon Margin Sites in Northwest China. <i>Water (Switzerland)</i> , 2020, 12, 3315.	1.2	8
64	Contribution of Recycled Moisture to Precipitation in Northeastern Tibetan Plateau: A Case Study Based on Bayesian Estimation. <i>Atmosphere</i> , 2021, 12, 731.	1.0	8
65	Local Meteoric Water Lines in a Semi-Arid Setting of Northwest China Using Multiple Methods. <i>Water (Switzerland)</i> , 2021, 13, 2380.	1.2	8
66	PM10 concentration in urban atmosphere around the eastern Tien Shan, Central Asia during 2007-2013. <i>Environmental Science and Pollution Research</i> , 2015, 22, 6864-6876.	2.7	7
67	Evaluation of the tourism climate in the Hexi Corridor of northwest China's Gansu Province during 1980-2012. <i>Theoretical and Applied Climatology</i> , 2017, 129, 901-912.	1.3	6
68	Interannual trends in stable oxygen isotope composition in precipitation of China during 1979-2007: Spatial incoherence. <i>Quaternary International</i> , 2017, 454, 25-37.	0.7	5
69	Extreme climate historical variation based on tree-ring width record in the Tianshan Mountains of northwestern China. <i>International Journal of Biometeorology</i> , 2020, 64, 2127-2139.	1.3	5
70	Isoscape of $\delta^{18}O$ in Precipitation of the Qinghai-Tibet Plateau: Assessment and Improvement. <i>Water (Switzerland)</i> , 2020, 12, 3392.	1.2	5
71	Stable Hydrogen and Oxygen Isotope Characteristics of Bottled Water in China: A Consideration of Water Source. <i>Water (Switzerland)</i> , 2019, 11, 1065.	1.2	4
72	Precipitation Isotopes Associated with the Duration and Distance of Moisture Trajectory in a Westerly-Dominant Setting. <i>Water (Switzerland)</i> , 2019, 11, 2434.	1.2	4

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73	Stable Isotope Reveals Tap Water Source under Different Water Supply Modes in the Eastern Margin of the Qinghai-Tibet Plateau. <i>Water (Switzerland)</i> , 2019, 11, 2578.	1.2	4
74	Radial Growth Adaptability to Drought in Different Age Groups of <i>Picea schrenkiana</i> Fisch. & C.A. Mey in the Tianshan Mountains of Northwestern China. <i>Forests</i> , 2020, 11, 455.	0.9	4
75	Modeling Insights into Precipitation Deuterium Excess as an Indicator of Raindrop Evaporation in Lanzhou, China. <i>Water (Switzerland)</i> , 2021, 13, 193.	1.2	4
76	A Stable Isotope Approach for Estimating the Contribution of Recycled Moisture to Precipitation in Lanzhou City, China. <i>Water (Switzerland)</i> , 2021, 13, 1783.	1.2	4
77	Spatio-temporal changes in free-air freezing level heights in Northwest China, 1960-2012. <i>Quaternary International</i> , 2013, 313-314, 130-136.	0.7	3
78	Driving Forces Analysis of Non-structural Carbohydrates for <i>Phragmites australis</i> in Different Habitats of Inland River Wetland. <i>Water (Switzerland)</i> , 2020, 12, 1700.	1.2	3
79	Fine-Scale Distribution Patterns of <i>Phragmites australis</i> Populations Across an Environmental Gradient in the Salt Marsh Wetland of Dunhuang, China. <i>Sustainability</i> , 2020, 12, 1671.	1.6	3
80	A 333-year record of the mean minimum temperature reconstruction in the Western Tianshan Mountains, China. <i>Geochronometria</i> , 2019, 46, 37-48.	0.2	3
81	Stable Isotope Signatures and Moisture Transport of a Typical Heavy Precipitation Case in the Southern Tianshan Mountains. <i>Chinese Geographical Science</i> , 2020, 30, 180-188.	1.2	2
82	Recharge and Infiltration Mechanisms of Soil Water in the Floodplain Revealed by Water-Stable Isotopes in the Upper Yellow River. <i>Sustainability</i> , 2021, 13, 9369.	1.6	2
83	Plant water resource partitioning and xylem-to-leaf deuterium enrichment in Lanzhou, northwest China. <i>Water Science and Technology: Water Supply</i> , 2020, 20, 1127-1140.	1.0	2
84	Selected trace elements in snowpack on Urumqi Glacier No. 1, eastern Tianshan, China: As yielded by leaching treatment representative of real-world environmental conditions. <i>Journal of Earth Science (Wuhan, China)</i> , 2011, 22, 449-459.	1.1	1
85	Increasing free-air 0°C isotherm height in Southwest China from 1960 to 2010. <i>Journal of Chinese Geography</i> , 2014, 24, 833-844.	1.5	1
86	Evaluation of the Comprehensive Ecotourism Suitability and Recognition of Its Key Landscape Pattern Factors (Case Study of Henan Province, China). <i>Polish Journal of Environmental Studies</i> , 2021, 30, 3389-3404.	0.6	1
87	Precipitation measurement biases in an arid setting of central Asia: using different methods to divide precipitation types. <i>Climate Research</i> , 2018, 76, 73-86.	0.4	1
88	Tree-ring-based drought-pluvial variation in the Tianshan Mountains of northwestern China. <i>Theoretical and Applied Climatology</i> , 0, , 1.	1.3	1
89	Comparability Of Meteoric Water Lines: Daily, Monthly, Or Annual Data?. , 2018, , .		0
90	Stable Isotopes Reveal Sources Of Chinese Tap Water. , 2019, , .		0