

# Bao Yang

## List of Publications by Year in descending order

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93  
papers

4,313  
citations

109264

35  
h-index

114418

63  
g-index

95  
all docs

95  
docs citations

95  
times ranked

3350  
citing authors

#	ARTICLE	IF	CITATIONS
1	Anthropogenic warming reduces the carbon accumulation of Tibetan Plateau peatlands. <i>Quaternary Science Reviews</i> , 2022, 281, 107449.	1.4	5
2	Reply to Weiss: Tree-ring stable oxygen isotopes suggest an increase in Asian monsoon rainfall at 4.2 ka BP. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2204067119.	3.3	1
3	Tracheidogram™s Classification as a New Potential Proxy in High-Resolution Dendroclimatic Reconstructions. <i>Forests</i> , 2022, 13, 970.	0.9	3
4	Divergent tree radial growth at alpine coniferous forest ecotone and corresponding responses to climate change in northwestern China. <i>Ecological Indicators</i> , 2021, 121, 107052.	2.6	13
5	No evidence for carryover effect in tree rings based on a pulse-labelling experiment on <i>Juniperus communis</i> in South Germany. <i>Trees - Structure and Function</i> , 2021, 35, 493-502.	0.9	1
6	Tree-ring-based winter temperature reconstruction for East Asia over the past 700 years. <i>Science China Earth Sciences</i> , 2021, 64, 872-889.	2.3	7
7	Long-term decrease in Asian monsoon rainfall and abrupt climate change events over the past 6,700 years. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	3.3	81
8	Tracheid development under a drought event producing intra-annual density fluctuations in the semi-arid China. <i>Agricultural and Forest Meteorology</i> , 2021, 308-309, 108572.	1.9	10
9	How did climate and CO2 concentration affect intrinsic water-use efficiency and tree growth in a semi-arid region of China?. <i>Trees - Structure and Function</i> , 2021, 35, 769-781.	0.9	8
10	Hydroclimate Correlations Between the Alxa Desert and Adjacent Mountains in Northwestern China: Evidence From Meteorological and Tree-Ring Data. <i>Journal of Geophysical Research D: Atmospheres</i> , 2021, 126, e2021JD035006.	1.2	2
11	Origin of Intra-annual Density Fluctuations in a Semi-arid Area of Northwestern China. <i>Frontiers in Plant Science</i> , 2021, 12, 777753.	1.7	6
12	Photoperiod and temperature as dominant environmental drivers triggering secondary growth resumption in Northern Hemisphere conifers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 20645-20652.	3.3	113
13	Ensemble standardization constraints on the influence of the tree growth trends in dendroclimatology. <i>Climate Dynamics</i> , 2020, 54, 3387-3404.	1.7	9
14	Environmental Drivers for Cambial Reactivation of Qilian Junipers ( <i>Juniperus przewalskii</i> ) in a Semi-Arid Region of Northwestern China. <i>Atmosphere</i> , 2020, 11, 232.	1.0	10
15	Drought-induced tree growth decline in the desert margins of Northwestern China. <i>Dendrochronologia</i> , 2020, 60, 125685.	1.0	17
16	Evaluation of multidecadal and longer-term temperature changes since 850 CE based on Northern Hemisphere proxy-based reconstructions and model simulations. <i>Science China Earth Sciences</i> , 2020, 63, 1126-1143.	2.3	10
17	Ranking of tree-ring based hydroclimate reconstructions of the past millennium. <i>Quaternary Science Reviews</i> , 2020, 230, 106074.	1.4	50
18	Reply to Elmendorf and Ettinger: Photoperiod plays a dominant and irreplaceable role in triggering secondary growth resumption. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2020, 117, 32865-32867.	3.3	2

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19	Moisture and Temperature Covariability over the Southeastern Tibetan Plateau during the Past Nine Centuries. <i>Journal of Climate</i> , 2020, 33, 6583-6598.	1.2	10
20	The Vulnerability of Qilian Juniper to Extreme Drought Events. <i>Frontiers in Plant Science</i> , 2019, 10, 1191.	1.7	13
21	The impact of proxy selection strategies on a millennium-long ensemble of hydroclimatic records in Monsoon Asia. <i>Quaternary Science Reviews</i> , 2019, 223, 105917.	1.4	7
22	Simulated and predicted responses of tree stem radial growth to climate change—A case study in semi-arid north central China. <i>Dendrochronologia</i> , 2019, 58, 125632.	1.0	10
23	A 1556 year-long early summer moisture reconstruction for the Hexi Corridor, Northwestern China. <i>Science China Earth Sciences</i> , 2019, 62, 953-963.	2.3	46
24	Recent advances in dendroclimatology in China. <i>Earth-Science Reviews</i> , 2019, 194, 521-535.	4.0	43
25	Intra-annual stem radial increment patterns of Chinese pine, Helan Mountains, Northern Central China. <i>Trees - Structure and Function</i> , 2019, 33, 751-763.	0.9	24
26	Identifying teleconnections and multidecadal variability of East Asian surface temperature during the last millennium in CMIP5 simulations. <i>Climate of the Past</i> , 2019, 15, 1825-1844.	1.3	14
27	Elevation-influenced variation in canopy and stem phenology of Qinghai spruce, central Qilian Mountains, northeastern Tibetan Plateau. <i>Trees - Structure and Function</i> , 2019, 33, 707-717.	0.9	10
28	Projections for the changes in growing season length of tree-ring formation on the Tibetan Plateau based on CMIP5 model simulations. <i>International Journal of Biometeorology</i> , 2018, 62, 631-641.	1.3	29
29	Causes of East Asian Temperature Multidecadal Variability Since 850 CE. <i>Geophysical Research Letters</i> , 2018, 45, 13,485.	1.5	22
30	Tree rings reveal globally coherent signature of cosmogenic radiocarbon events in 774 and 993 CE. <i>Nature Communications</i> , 2018, 9, 3605.	5.8	98
31	East Asian warm season temperature variations over the past two millennia. <i>Scientific Reports</i> , 2018, 8, 7702.	1.6	39
32	Relationships between Wood Formation and Cambium Phenology on the Tibetan Plateau during 1960–2014. <i>Forests</i> , 2018, 9, 86.	0.9	22
33	Comparing meteorological records between mountainous and valley bottom sites in the upper reaches of the Heihe River, northwestern China: implications for dendroclimatology. <i>Theoretical and Applied Climatology</i> , 2017, 128, 407-419.	1.3	4
34	Moisture increase in response to high-altitude warming evidenced by tree-rings on the southeastern Tibetan Plateau. <i>Climate Dynamics</i> , 2017, 48, 649-660.	1.7	55
35	Process-based modeling of tree-ring formation and its relationships with climate on the Tibetan Plateau. <i>Dendrochronologia</i> , 2017, 42, 31-41.	1.0	31
36	Internal and external forcing of multidecadal Atlantic climate variability over the past 1,200 years. <i>Nature Geoscience</i> , 2017, 10, 512-517.	5.4	191

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37	Establishment of a 4650-year-long eigenvalue chronology based on tree-ring cores from Qilian junipers ( <i>Juniperus przewalskii</i> Kom.) in Western China. <i>Dendrochronologia</i> , 2017, 46, 56-66.	1.0	9
38	New perspective on spring vegetation phenology and global climate change based on Tibetan Plateau tree-ring data. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 6966-6971.	3.3	192
39	Effects of Age and Size on Xylem Phenology in Two Conifers of Northwestern China. <i>Frontiers in Plant Science</i> , 2017, 8, 2264.	1.7	35
40	Glacier fluctuations during the past 2000 years. <i>Quaternary Science Reviews</i> , 2016, 149, 61-90.	1.4	162
41	Ranking of tree-ring based temperature reconstructions of the past millennium. <i>Quaternary Science Reviews</i> , 2016, 145, 134-151.	1.4	91
42	Universal growth modes of high-elevation conifers. <i>Dendrochronologia</i> , 2016, 38, 38-50.	1.0	2
43	Climatic forcing of xylem formation in Qilian juniper on the northeastern Tibetan Plateau. <i>Trees - Structure and Function</i> , 2016, 30, 923-933.	0.9	19
44	Drought signals in tree-ring stable oxygen isotope series of Qilian juniper from the arid northeastern Tibetan Plateau. <i>Global and Planetary Change</i> , 2015, 125, 48-59.	1.6	32
45	A multi-proxy reconstruction of spatial and temporal variations in Asian summer temperatures over the last millennium. <i>Climatic Change</i> , 2015, 131, 663-676.	1.7	52
46	A Millennial Summer Temperature Reconstruction for the Eastern Tibetan Plateau from Tree-Ring Width*. <i>Journal of Climate</i> , 2015, 28, 5289-5304.	1.2	64
47	Intra-annual stem radial increment response of Qilian juniper to temperature and precipitation along an altitudinal gradient in northwestern China. <i>Trees - Structure and Function</i> , 2015, 29, 25-34.	0.9	70
48	A 3,500-year tree-ring record of annual precipitation on the northeastern Tibetan Plateau. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2014, 111, 2903-2908.	3.3	397
49	Reconstruction of the Northern Hemisphere temperature from 1500 to 1949 by optimal regional averaging method. <i>Science Bulletin</i> , 2014, 59, 4873-4880.	1.7	0
50	Spatial patterns of moisture variations across the Tibetan Plateau during the past 7000 years and their relationship with Atmospheric Oscillation modes. <i>International Journal of Climatology</i> , 2014, 34, 728-741.	1.5	8
51	A six hundred-year annual minimum temperature history for the central Tibetan Plateau derived from tree-ring width series. <i>Climate Dynamics</i> , 2014, 43, 641-655.	1.7	30
52	Tree-ring inferred annual mean temperature variations on the southeastern Tibetan Plateau during the last millennium and their relationships with the Atlantic Multidecadal Oscillation. <i>Climate Dynamics</i> , 2014, 43, 627-640.	1.7	86
53	Vegetation and climate change during Marine Isotope Stage 3 in China. <i>Science Bulletin</i> , 2014, 59, 4444-4455.	1.7	17
54	Drought variability at the northern fringe of the Asian summer monsoon region over the past millennia. <i>Climate Dynamics</i> , 2014, 43, 845-859.	1.7	58

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55	Extreme drought events in the years 1877â€“1878, and 1928, in the southeast Qilian Mountains and the airâ€“sea coupling system. <i>Quaternary International</i> , 2013, 283, 85-92.	0.7	29
56	Tree growthâ€“climate relationships of <i>Juniperus tibetica</i> along an altitudinal gradient on the southern Tibetan Plateau. <i>Trees - Structure and Function</i> , 2013, 27, 429-439.	0.9	43
57	Tree-ring derived millennial precipitation record for the south-central Tibetan Plateau and its possible driving mechanism. <i>Holocene</i> , 2013, 23, 36-45.	0.9	46
58	The relationship between the Atlantic Multidecadal Oscillation and temperature variability in China during the last millennium. <i>Journal of Quaternary Science</i> , 2013, 28, 653-658.	1.1	78
59	Climate Control on Tree Growth at the Upper and Lower Treelines: A Case Study in the Qilian Mountains, Tibetan Plateau. <i>PLoS ONE</i> , 2013, 8, e69065.	1.1	57
60	Radial Growth of Qilian Juniper on the Northeast Tibetan Plateau and Potential Climate Associations. <i>PLoS ONE</i> , 2013, 8, e79362.	1.1	26
61	Tree ring-based annual streamflow reconstruction for the Heihe River in arid northwestern China from 575 and its implications for water resource management. <i>Holocene</i> , 2012, 22, 773-784.	0.9	59
62	Two phases of seasonal stem radius variations of <i>Sabina przewalskii</i> Kom. in northwestern China inferred from sub-diurnal shrinkage and expansion patterns. <i>Trees - Structure and Function</i> , 2012, 26, 1747-1757.	0.9	24
63	Recent tree-growth reduction in north central China as a combined result of a weakened monsoon and atmospheric oscillations. <i>Climatic Change</i> , 2012, 115, 519-536.	1.7	35
64	Preliminary multiproxy surface air temperature field reconstruction for China over the past millennium. <i>Science China Earth Sciences</i> , 2012, 55, 2058-2067.	2.3	70
65	Ensemble empirical mode decomposition for tree-ring climate reconstructions. <i>Theoretical and Applied Climatology</i> , 2012, 109, 233-243.	1.3	28
66	Eigen analysis of tree-ring records: part 2, posing the eigen problem. <i>Theoretical and Applied Climatology</i> , 2012, 107, 131-141.	1.3	11
67	Eigen analysis of tree-ring records: part 3, taking heteroscedasticity and sampling effects into consideration. <i>Theoretical and Applied Climatology</i> , 2012, 107, 519-530.	1.3	11
68	Regional extreme climate events on the northeastern Tibetan Plateau since AD 1450 inferred from tree rings. <i>Global and Planetary Change</i> , 2011, 75, 143-154.	1.6	22
69	Tree-ring based annual precipitation reconstruction since AD 1480 in south central Tibet. <i>Quaternary International</i> , 2011, 236, 75-81.	0.7	31
70	Eigen analysis of tree-ring records: Part 1, a limited representativeness of regional curve. <i>Theoretical and Applied Climatology</i> , 2011, 106, 489-497.	1.3	14
71	Rainfall history for the Hexi Corridor in the arid northwest China during the past 620 years derived from tree rings. <i>International Journal of Climatology</i> , 2011, 31, 1166-1176.	1.5	80
72	An ice-core record of vegetation and climate changes in the central Tibetan Plateau during the last 550 years. <i>Science Bulletin</i> , 2010, 55, 1169-1177.	1.7	8

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73	Annual temperature history in Southwest Tibet during the last 400 years recorded by tree rings. <i>International Journal of Climatology</i> , 2010, 30, 962-971.	1.5	36
74	A 622-year regional temperature history of southeast Tibet derived from tree rings. <i>Holocene</i> , 2010, 20, 181-190.	0.9	66
75	Intensified pluvial conditions during the twentieth century in the inland Heihe River Basin in arid northwestern China over the past millennium. <i>Global and Planetary Change</i> , 2010, 72, 192-200.	1.6	53
76	Tree ring recorded May-August temperature variations since A.D. 1585 in the Gaoligong Mountains, southeastern Tibetan Plateau. <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i> , 2010, 296, 94-102.	1.0	69
77	Pollen-inferred vegetation and environmental changes in the central Tibetan Plateau since 8200 yr BP. <i>Science in China Series D: Earth Sciences</i> , 2009, 52, 1104-1114.	0.9	37
78	Tree ring density-based summer temperature reconstruction for the central Hengduan Mountains in southern China. <i>Global and Planetary Change</i> , 2009, 65, 1-11.	1.6	130
79	Temperature changes on the Tibetan Plateau during the past 600 years inferred from ice cores and tree rings. <i>Global and Planetary Change</i> , 2009, 69, 71-78.	1.6	48
80	Climate change over the past 2000 years in Western China. <i>Quaternary International</i> , 2009, 194, 91-107.	0.7	109
81	Late Holocene monsoonal temperate glacier fluctuations on the Tibetan Plateau. <i>Global and Planetary Change</i> , 2008, 60, 126-140.	1.6	98
82	Summer temperature reconstruction on the central Tibetan Plateau during 1860-2002 derived from annually resolved ice core pollen. <i>Journal of Geophysical Research</i> , 2008, 113, .	3.3	17
83	Correlation between the oxygen isotope record from Dasuopu ice core and the Asian Southwest Monsoon during the last millennium. <i>Quaternary Science Reviews</i> , 2007, 26, 1810-1817.	1.4	25
84	Dust storm frequency and its relation to climate changes in Northern China during the past 1000 years. <i>Atmospheric Environment</i> , 2007, 41, 9288-9299.	1.9	88
85	Reconstruction of temperature series of China for the last 1000 years. <i>Science Bulletin</i> , 2007, 52, 3272-3280.	1.7	62
86	Developmental characteristics of aeolian dunes and environmental changes in the adjoining region of Puruogangri ice sheet, North Tibetan Plateau. <i>Environmental Geology</i> , 2005, 48, 15-24.	1.2	4
87	Paleosandstorm characteristics and lake evolution history deduced from investigation on lacustrine sediments-The case of Hongjiannao Lake, Shaanxi Province. <i>Science Bulletin</i> , 2005, 50, 2355-2361.	1.7	1
88	Decadal-scale precipitation variations in arid and semiarid zones of northern China during the last 500 years. <i>Science Bulletin</i> , 2004, 49, 842-848.	1.7	11
89	Wind tunnel simulation experiment and investigation on the electrification of sandstorms. <i>Science in China Series D: Earth Sciences</i> , 2004, 47, 529-539.	0.9	24
90	General characteristics of temperature variation in China during the last two millennia. <i>Geophysical Research Letters</i> , 2002, 29, 38-1-38-4.	1.5	333

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91	Climatic variations in China over the last 2000 years. Chinese Geographical Science, 2001, 11, 97-103.	1.2	3
92	Decadal climatic variations indicated by dulan tree-ring and comparison with other proxy data in China of the last 2000 years. Chinese Geographical Science, 2000, 10, 193-201.	1.2	11
93	Decadal climatic variations recorded in Guliya ice core and comparison with the historical documentary data from East China during the last 2000 years. Science in China Series D: Earth Sciences, 1999, 42, 91-100.	0.9	45