Bao Yang

List of Publications by Year
in descending order

93 papers	4,313 citations	109137 35 h-index	114278 63 g-index
95 all docs	95 docs citations	95 times ranked	3350 citing authors

#	Article	IF	Citations
1	A 3,500-year tree-ring record of annual precipitation on the northeastern Tibetan Plateau. Proceedings of the National Academy of Sciences of the United States of America, 2014, 111, 2903-2908.	3.3	397
2	General characteristics of temperature variation in China during the last two millennia. Geophysical Research Letters, 2002, 29, 38-1-38-4.	1.5	333
3	New perspective on spring vegetation phenology and global climate change based on Tibetan Plateau tree-ring data. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 6966-6971.	3.3	192
4	Internal and external forcing of multidecadal Atlantic climate variability over the past 1,200Âyears. Nature Geoscience, 2017, 10, 512-517.	5.4	191
5	Glacier fluctuations during the past 2000 years. Quaternary Science Reviews, 2016, 149, 61-90.	1.4	162
6	Tree ring density-based summer temperature reconstruction for the central Hengduan Mountains in southern China. Global and Planetary Change, 2009, 65, 1-11.	1.6	130
7	Photoperiod and temperature as dominant environmental drivers triggering secondary growth resumption in Northern Hemisphere conifers. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20645-20652.	3.3	113
8	Climate change over the past 2000 years in Western China. Quaternary International, 2009, 194, 91-107.	0.7	109
9	Late Holocene monsoonal temperate glacier fluctuations on the Tibetan Plateau. Global and Planetary Change, 2008, 60, 126-140.	1.6	98
10	Tree rings reveal globally coherent signature of cosmogenic radiocarbon events in 774 and 993 CE. Nature Communications, 2018, 9, 3605.	5.8	98
11	Ranking of tree-ring based temperature reconstructions of the past millennium. Quaternary Science Reviews, 2016, 145, 134-151.	1.4	91
12	Dust storm frequency and its relation to climate changes in Northern China during the past 1000 years. Atmospheric Environment, 2007, 41, 9288-9299.	1.9	88
13	Tree-ring inferred annual mean temperature variations on the southeastern Tibetan Plateau during the last millennium and their relationships with the Atlantic Multidecadal Oscillation. Climate Dynamics, 2014, 43, 627-640.	1.7	86
14	Long-term decrease in Asian monsoon rainfall and abrupt climate change events over the past 6,700 years. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	81
15	Rainfall history for the Hexi Corridor in the arid northwest China during the past 620 years derived from tree rings. International Journal of Climatology, 2011, 31, 1166-1176.	1.5	80
16	The relationship between the Atlantic Multidecadal Oscillation and temperature variability in China during the last millennium. Journal of Quaternary Science, 2013, 28, 653-658.	1.1	78
17	Preliminary multiproxy surface air temperature field reconstruction for China over the past millennium. Science China Earth Sciences, 2012, 55, 2058-2067.	2.3	70
18	Intra-annual stem radial increment response of Qilian juniper to temperature and precipitation along an altitudinal gradient in northwestern China. Trees - Structure and Function, 2015, 29, 25-34.	0.9	70

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19	Tree ring recorded Mayâ€“August temperature variations since A.D. 1585 in the Gaoligong Mountains, southeastern Tibetan Plateau. Palaeogeography, Palaeoclimatology, Palaeoecology, 2010, 296, 94-102.	1.0	69
20	A 622-year regional temperature history of southeast Tibet derived from tree rings. Holocene, 2010, 20, 181-190.	0.9	66
21	A Millennial Summer Temperature Reconstruction for the Eastern Tibetan Plateau from Tree-Ring Width*. Journal of Climate, 2015, 28, 5289-5304.	1.2	64
22	Reconstruction of temperature series of China for the last 1000 years. Science Bulletin, 2007, 52, 3272-3280.	1.7	62
23	Tree ring-based annual streamflow reconstruction for the Heihe River in arid northwestern China from <scp>ad</scp> 575 and its implications for water resource management. Holocene, 2012, 22, 773-784.	0.9	59
24	Drought variability at the northern fringe of the Asian summer monsoon region over the past millennia. Climate Dynamics, 2014, 43, 845-859.	1.7	58
25	Climate Control on Tree Growth at the Upper and Lower Treelines: A Case Study in the Qilian Mountains, Tibetan Plateau. PLoS ONE, 2013, 8, e69065.	1.1	57
26	Moisture increase in response to high-altitude warming evidenced by tree-rings on the southeastern Tibetan Plateau. Climate Dynamics, 2017, 48, 649-660.	1.7	55
27	Intensified pluvial conditions during the twentieth century in the inland Heihe River Basin in arid northwestern China over the past millennium. Global and Planetary Change, 2010, 72, 192-200.	1.6	53
28	A multi-proxy reconstruction of spatial and temporal variations in Asian summer temperatures over the last millennium. Climatic Change, 2015, 131, 663-676.	1.7	52
29	Ranking of tree-ring based hydroclimate reconstructions of the past millennium. Quaternary Science Reviews, 2020, 230, 106074.	1.4	50
30	Temperature changes on the Tibetan Plateau during the past 600Âyears inferred from ice cores and tree rings. Global and Planetary Change, 2009, 69, 71-78.	1.6	48
31	Tree-ring derived millennial precipitation record for the south-central Tibetan Plateau and its possible driving mechanism. Holocene, 2013, 23, 36-45.	0.9	46
32	A 1556 year-long early summer moisture reconstruction for the Hexi Corridor, Northwestern China. Science China Earth Sciences, 2019, 62, 953-963.	2.3	46
33	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
34	Tree growthâ€“climate relationships of Juniperus tibetica along an altitudinal gradient on the southern Tibetan Plateau. Trees - Structure and Function, 2013, 27, 429-439.	0.9	43
35	Recent advances in dendroclimatology in China. Earth-Science Reviews, 2019, 194, 521-535.	4.0	43
36	East Asian warm season temperature variations over the past two millennia. Scientific Reports, 2018, 8, 7702.	1.6	39

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37	Pollen-inferred vegetation and environmental changes in the central Tibetan Plateau since 8200 yr BP. Science in China Series D: Earth Sciences, 2009, 52, 1104-1114.	0.9	37
38	Annual temperature history in Southwest Tibet during the last 400 years recorded by tree rings. International Journal of Climatology, 2010, 30, 962-971.	1.5	36
39	Recent tree-growth reduction in north central China as a combined result of a weakened monsoon and atmospheric oscillations. Climatic Change, 2012, 115, 519-536.	1.7	35
40	Effects of Age and Size on Xylem Phenology in Two Conifers of Northwestern China. Frontiers in Plant Science, 2017, 8, 2264.	1.7	35
41	Drought signals in tree-ring stable oxygen isotope series of Qilian juniper from the arid northeastern Tibetan Plateau. Global and Planetary Change, 2015, 125, 48-59.	1.6	32
42	Tree-ring based annual precipitation reconstruction since AD 1480 in south central Tibet. Quaternary International, 2011, 236, 75-81.	0.7	31
43	Process-based modeling of tree-ring formation and its relationships with climate on the Tibetan Plateau. Dendrochronologia, 2017, 42, 31-41.	1.0	31
44	A six hundred-year annual minimum temperature history for the central Tibetan Plateau derived from tree-ring width series. Climate Dynamics, 2014, 43, 641-655.	1.7	30
45	Extreme drought events in the years 1877â€“1878, and 1928, in the southeast Qilian Mountains and the airâ€“sea coupling system. Quaternary International, 2013, 283, 85-92.	0.7	29
46	Projections for the changes in growing season length of tree-ring formation on the Tibetan Plateau based on CMIP5 model simulations. International Journal of Biometeorology, 2018, 62, 631-641.	1.3	29
47	Ensemble empirical mode decomposition for tree-ring climate reconstructions. Theoretical and Applied Climatology, 2012, 109, 233-243.	1.3	28
48	Radial Growth of Qilian Juniper on the Northeast Tibetan Plateau and Potential Climate Associations. PLoS ONE, 2013, 8, e79362.	1.1	26
49	Correlation between the oxygen isotope record from Dasuopu ice core and the Asian Southwest Monsoon during the last millennium. Quaternary Science Reviews, 2007, 26, 1810-1817.	1.4	25
50	Wind tunnel simulation experiment and investigation on the electrification of sandstorms. Science in China Series D: Earth Sciences, 2004, 47, 529-539.	0.9	24
51	Two phases of seasonal stem radius variations of Sabina przewalskii Kom. in northwestern China inferred from sub-diurnal shrinkage and expansion patterns. Trees - Structure and Function, 2012, 26, 1747-1757.	0.9	24
52	Intra-annual stem radial increment patterns of Chinese pine, Helan Mountains, Northern Central China. Trees - Structure and Function, 2019, 33, 751-763.	0.9	24
53	Regional extreme climate events on the northeastern Tibetan Plateau since AD 1450 inferred from tree rings. Global and Planetary Change, 2011, 75, 143-154.	1.6	22
54	Causes of East Asian Temperature Multidecadal Variability Since 850 CE. Geophysical Research Letters, 2018, 45, 13,485.	1.5	22

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55	Relationships between Wood Formation and Cambium Phenology on the Tibetan Plateau during 1960â€“2014. Forests, 2018, 9, 86.	0.9	22
56	Climatic forcing of xylem formation in Qilian juniper on the northeastern Tibetan Plateau. Trees - Structure and Function, 2016, 30, 923-933.	0.9	19
57	Summer temperature reconstruction on the central Tibetan Plateau during 1860â€“2002 derived from annually resolved ice core pollen. Journal of Geophysical Research, 2008, 113, .	3.3	17
58	Vegetation and climate change during Marine Isotope Stage 3 in China. Science Bulletin, 2014, 59, 4444-4455.	1.7	17
59	Drought-induced tree growth decline in the desert margins of Northwestern China. Dendrochronologia, 2020, 60, 125685.	1.0	17
60	Eigen analysis of tree-ring records: Part 1, a limited representativeness of regional curve. Theoretical and Applied Climatology, 2011, 106, 489-497.	1.3	14
61	Identifying teleconnections and multidecadal variability of East Asian surface temperature during the last millennium in CMIP5 simulations. Climate of the Past, 2019, 15, 1825-1844.	1.3	14
62	The Vulnerability of Qilian Juniper to Extreme Drought Events. Frontiers in Plant Science, 2019, 10, 1191.	1.7	13
63	Divergent tree radial growth at alpine coniferous forest ecotone and corresponding responses to climate change in northwestern China. Ecological Indicators, 2021, 121, 107052.	2.6	13
64	Decadal cimatic 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
65	Decadal-scale precipitation variations in arid and semiarid zones of northern China during the last 500 years. Science Bulletin, 2004, 49, 842-848.	1.7	11
66	Eigen analysis of tree-ring records: part 2, posing the eigen problem. Theoretical and Applied Climatology, 2012, 107, 131-141.	1.3	11
67	Eigen analysis of tree-ring records: part 3, taking heteroscedasticity and sampling effects into consideration. Theoretical and Applied Climatology, 2012, 107, 519-530.	1.3	11
68	Simulated and predicted responses of tree stem radial growth to climate changeâ€”A case study in semi-arid north central China. Dendrochronologia, 2019, 58, 125632.	1.0	10
69	Elevation-influenced variation in canopy and stem phenology of Qinghai spruce, central Qilian Mountains, northeastern Tibetan Plateau. Trees - Structure and Function, 2019, 33, 707-717.	0.9	10
70	Environmental Drivers for Cambial Reactivation of Qilian Junipers (Juniperus przewalskii) in a Semi-Arid Region of Northwestern China. Atmosphere, 2020, 11, 232.	1.0	10
71	Evaluation of multidecadal and longer-term temperature changes since 850 CE based on Northern Hemisphere proxy-based reconstructions and model simulations. Science China Earth Sciences, 2020, 63, 1126-1143.	2.3	10
72	Tracheid development under a drought event producing intra-annual density fluctuations in the semi-arid China. Agricultural and Forest Meteorology, 2021, 308-309, 108572.	1.9	10

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73	Moisture and Temperature Covariability over the Southeastern Tibetan Plateau during the Past Nine Centuries. Journal of Climate, 2020, 33, 6583-6598.	1.2	10
74	Establishment of a 4650-year-long eigenvalue chronology based on tree-ring cores from Qilian junipers (Juniperus przewalskii Kom.) in Western China. Dendrochronologia, 2017, 46, 56-66.	1.0	9
75	Ensemble standardization constraints on the influence of the tree growth trends in dendroclimatology. Climate Dynamics, 2020, 54, 3387-3404.	1.7	9
76	An ice-core record of vegetation and climate changes in the central Tibetan Plateau during the last 550 years. Science Bulletin, 2010, 55, 1169-1177.	1.7	8
77	Spatial patterns of moisture variations across the Tibetan Plateau during the past 700â€‰years and their relationship with Atmospheric Oscillation modes. International Journal of Climatology, 2014, 34, 728-741.	1.5	8
78	How did climate and CO2 concentration affect intrinsic water-use efficiency and tree growth in a semi-arid region of China?. Trees - Structure and Function, 2021, 35, 769-781.	0.9	8
79	The impact of proxy selection strategies on a millennium-long ensemble of hydroclimatic records in Monsoon Asia. Quaternary Science Reviews, 2019, 223, 105917.	1.4	7
80	Tree-ring-based winter temperature reconstruction for East Asia over the past 700 years. Science China Earth Sciences, 2021, 64, 872-889.	2.3	7
81	Origin of Intra-annual Density Fluctuations in a Semi-arid Area of Northwestern China. Frontiers in Plant Science, 2021, 12, 777753.	1.7	6
82	Anthropogenic warming reduces the carbon accumulation of Tibetan Plateau peatlands. Quaternary Science Reviews, 2022, 281, 107449.	1.4	5
83	Developmental characteristics of aeolian dunes and environmental changes in the adjoining region of Puruogangri ice sheet, North Tibetan Plateau. Environmental Geology, 2005, 48, 15-24.	1.2	4
84	Comparing meteorological records between mountainous and valley bottom sites in the upper reaches of the Heihe River, northwestern China: implications for dendroclimatology. Theoretical and Applied Climatology, 2017, 128, 407-419.	1.3	4
85	Climatic variations in China over the last 2000 years. Chinese Geographical Science, 2001, 11, 97-103.	1.2	3
86	Tracheidogramâ€™s Classification as a New Potential Proxy in High-Resolution Dendroclimatic Reconstructions. Forests, 2022, 13, 970.	0.9	3
87	Universal growth modes of high-elevation conifers. Dendrochronologia, 2016, 38, 38-50.	1.0	2
88	Reply to Elmendorf and Ettinger: Photoperiod plays a dominant and irreplaceable role in triggering secondary growth resumption. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 32865-32867.	3.3	2
89	Hydroclimate Correlations Between the Alxa Desert and Adjacent Mountains in Northwestern China: Evidence From Meteorological and Treeâ€Ring Data. Journal of Geophysical Research D: Atmospheres, 2021, 126, e2021JD035006.	1.2	2
90	Paleosandstorm characteristics and lake evolution history deduced from investigation on lacustrine sedimentsâ€”The case of Hongjiannao Lake, Shaanxi Province. Science Bulletin, 2005, 50, 2355-2361.	1.7	1

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91	No evidence for carryover effect in tree rings based on a pulse-labelling experiment on Juniperus communis in South Germany. Trees - Structure and Function, 2021, 35, 493-502.	0.9	1
92	Reply to Weiss: Tree-ring stable oxygen isotopes suggest an increase in Asian monsoon rainfall at 4.2 ka BP. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2204067119.	3.3	1
93	Reconstruction of the Northern Hemisphere temperature from 1500 to 1949 by optimal regional averaging method. Science Bulletin, 2014, 59, 4873-4880.	1.7	0