Constantin M Zohner

List of Publications by Year
in descending order

43 papers	3,379 citations	257101 24 h-index	253896 43 g-index
51 all docs	51 docs citations	51 times ranked	4537 citing authors

#	Article	IF	Citations
1	The global tree restoration potential. Science, 2019, 365, 76-79.	6.0	1,181
2	Climate Change and Phenological Mismatch in Trophic Interactions Among Plants, Insects, and Vertebrates. Annual Review of Ecology, Evolution, and Systematics, 2018, 49, 165-182.	3.8	376
3	Increased growing-season productivity drives earlier autumn leaf senescence in temperate trees. Science, 2020, 370, 1066-1071.	6.0	202
4	Day length unlikely to constrain climate-driven shifts in leaf-out times of northern woody plants. Nature Climate Change, 2016, 6, 1120-1123.	8.1	180
5	Late-spring frost risk between 1959 and 2017 decreased in North America but increased in Europe and Asia. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 12192-12200.	3.3	140
6	Common garden comparison of the leafâ€out phenology of woody species from different native climates, combined with herbarium records, forecasts longâ€term change. Ecology Letters, 2014, 17, 1016-1025.	3.0	112
7	Daylength helps temperate deciduous trees to leafâ€out at the optimal time. Global Change Biology, 2019, 25, 2410-2418.	4.2	88
8	The global distribution and environmental drivers of aboveground versus belowground plant biomass. Nature Ecology and Evolution, 2021, 5, 1110-1122.	3.4	88
9	Direct and indirect impacts of urbanization on vegetation growth across the worldâ€™s cities. Science Advances, 2022, 8, .	4.7	80
10	Understanding climate change from a global analysis of city analogues. PLoS ONE, 2019, 14, e0217592.	1.1	75
11	Perception of photoperiod in individual buds of mature trees regulates leafâ€out. New Phytologist, 2015, 208, 1023-1030.	3.5	67
12	Spring predictability explains different leafâ€out strategies in the woody floras of North America, Europe and East Asia. Ecology Letters, 2017, 20, 452-460.	3.0	66
13	Global warming reduces leaf-out and flowering synchrony among individuals. ELife, 2018, 7, .	2.8	54
14	Distribution ranges and spring phenology explain late frost sensitivity in 170 woody plants from the Northern Hemisphere. Global Ecology and Biogeography, 2016, 25, 1061-1071.	2.7	51
15	Impact of microclimatic conditions and resource availability on spring and autumn phenology of temperate tree seedlings. New Phytologist, 2021, 232, 537-550.	3.5	49
16	Chilled to be forced: the best dose to wake up buds from winter dormancy. New Phytologist, 2021, 230, 1366-1377.	3.5	47
17	Digitization protocol for scoring reproductive phenology from herbarium specimens of seed plants. Applications in Plant Sciences, 2018, 6, e1022.	0.8	46
18	Increased autumn productivity permits temperate trees to compensate for spring frost damage. New Phytologist, 2019, 221, 789-795.	3.5	41

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19	The occurrence of red and yellow autumn leaves explained by regional differences in insolation and temperature. New Phytologist, 2019, 224, 1464-1471.	3.5	40
20	The great acceleration of plant phenological shifts. Nature Climate Change, 2022, 12, 300-302.	8.1	40
21	Ongoing seasonally uneven climate warming leads to earlier autumn growth cessation in deciduous trees. Oecologia, 2019, 189, 549-561.	0.9	39
22	Interactive climate factors restrict future increases in spring productivity of temperate and boreal trees. Global Change Biology, 2020, 26, 4042-4055.	4.2	34
23	Leafâ€out in northern ecotypes of wideâ€ranging trees requires less spring warming, enhancing the risk of spring frost damage at cold range limits. Global Ecology and Biogeography, 2020, 29, 1065-1072.	2.7	33
24	Innately shorter vegetation periods in North American species explain nativeâ€“non-native phenological asymmetries. Nature Ecology and Evolution, 2017, 1, 1655-1660.	3.4	31
25	Global relationships in tree functional traits. Nature Communications, 2022, 13, .	5.8	29
26	Plant fossils reveal major biomes occupied by the late Miocene Old-World Pikermian fauna. Nature Ecology and Evolution, 2018, 2, 1864-1870.	3.4	24
27	Narrow habitat breadth and late-summer emergence increases extinction vulnerability in Central European bees. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20190316.	1.2	24
28	Atmospheric brightening counteracts warmingâ€induced delays in autumn phenology of temperate trees in Europe. Global Ecology and Biogeography, 2021, 30, 2477-2487.	2.7	23
29	Shortened temperatureâ€relevant period of spring leafâ€out in temperateâ€zone trees. Global Change Biology, 2019, 25, 4282-4290.	4.2	20
30	Response to Comments on â€œThe global tree restoration potentialâ€. Science, 2019, 366, .	6.0	20
31	Phenology and the city. Nature Ecology and Evolution, 2019, 3, 1618-1619.	3.4	17
32	Further analysis of 1532 deciduous woody species from North America, Europe, and Asia supports continentalâ€scale differences in red autumn colouration. New Phytologist, 2020, 228, 814-815.	3.5	13
33	How changes in spring and autumn phenology translate into growthâ€experimental evidence of asymmetric effects. Journal of Ecology, 2021, 109, 2717-2728.	1.9	10
34	The relative roles of local climate adaptation and phylogeny in determining leaf-out timing of temperate tree species. Forest Ecosystems, 2017, 4, .	1.3	8
35	Climate data and flowering times for 450 species from 1844 deepen the record of phenological change in southern Germany. American Journal of Botany, 2021, 108, 711-717.	0.8	6
36	Examining the supportâ€“supply and budâ€packing hypotheses for the increase in toothed leaf margins in northern deciduous floras. American Journal of Botany, 2019, 106, 1404-1411.	0.8	5

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37	Response to Comment on â€œThe global tree restoration potentialâ€• Science, 2019, 366, .	6.0	4
38	Rising air humidity during spring does not trigger leafâ€•out in temperate woody plants. New Phytologist, 2020, 225, 16-20.	3.5	3
39	Response to Comment on â€œIncreased growing-season productivity drives earlier autumn leaf senescence in temperate treesâ€• Science, 2021, 371, .	6.0	3
40	Trees growing in Eastern North America experience higher autumn solar irradiation than their European relatives, but is nitrogen limitation another factor explaining anthocyaninâ€•red autumn leaves?. Journal of Evolutionary Biology, 2022, 35, 183-188.	0.8	3
41	Forest restoration: Transformative treesâ€”Response. Science, 2019, 366, 317-317.	6.0	2
42	Spatial Difference of Interactive Effect Between Temperature and Daylength on Ginkgo Budburst. Frontiers in Plant Science, 2022, 13, .	1.7	2
43	Carbon Source Reduction Postpones Autumn Leaf Senescence in a Widespread Deciduous Tree. Frontiers in Plant Science, 2022, 13, .	1.7	1