Constantin M Zohner

List of Publications by Year in Descending Order

39 papers	1,721 citations	17 h-index	41 g-index
51 ext. papers	2,588 ext. citations	12.3 avg, IF	5.69 L-index

#	Paper	IF	Citations
39	Trees growing in Eastern North America experience higher autumn solar irradiation than their European relatives, but is nitrogen limitation another factor explaining anthocyanin-red autumn leaves?: A comment on Pe-Novas and Marchetti 2021 (https://doi.org/10.1111/jeb.13903).. *Journal of Evolutionary Biology*, **2022**, 35, 183-188	2.3	1
38	The great acceleration of plant phenological shifts. *Nature Climate Change*, **2022**, 12, 300-302	21.4	3
37	Response to Comment on "Increased growing-season productivity drives earlier autumn leaf senescence in temperate trees". *Science*, **2021**, 371,	33.3	1
36	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	2.7	3
35	How changes in spring and autumn phenology translate into growth-experimental evidence of asymmetric effects. *Journal of Ecology*, **2021**, 109, 2717-2728	6	0
34	The global distribution and environmental drivers of aboveground versus belowground plant biomass. *Nature Ecology and Evolution*, **2021**, 5, 1110-1122	12.3	14
33	Chilled to be forced: the best dose to wake up buds from winter dormancy. *New Phytologist*, **2021**, 230, 1366-1377	9.8	14
32	Impact of microclimatic conditions and resource availability on spring and autumn phenology of temperate tree seedlings. *New Phytologist*, **2021**, 232, 537-550	9.8	9
31	Atmospheric brightening counteracts warming-induced delays in autumn phenology of temperate trees in Europe. *Global Ecology and Biogeography*, **2021**, 30, 2477	6.1	7
30	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	11.5	44
29	Further analysis of 1532 deciduous woody species from North America, Europe, and Asia supports continental-scale differences in red autumn colouration: A response to Pe-Novas & Archetti (2020) Biogeography and evidence for adaptive explanations of autumn colors. *New Phytologist*, **2020**, 228, 814-815	9.8	7
28	Leaf-out in northern ecotypes of wide-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	6.1	16
27	Interactive climate factors restrict future increases in spring productivity of temperate and boreal trees. *Global Change Biology*, **2020**, 26, 4042-4055	11.4	13
26	Rising air humidity during spring does not trigger leaf-out in temperate woody plants. *New Phytologist*, **2020**, 225, 16-20	9.8	3
25	Increased growing-season productivity drives earlier autumn leaf senescence in temperate trees. *Science*, **2020**, 370, 1066-1071	33.3	75
24	Ongoing seasonally uneven climate warming leads to earlier autumn growth cessation in deciduous trees. *Oecologia*, **2019**, 189, 549-561	2.9	21
23	The occurrence of red and yellow autumn leaves explained by regional differences in insolation and temperature. *New Phytologist*, **2019**, 224, 1464-1471	9.8	21

22	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	4.4	16
21	Daylength helps temperate deciduous trees to leaf-out at the optimal time. *Global Change Biology*, **2019**, 25, 2410-2418	11.4	50
20	Understanding climate change from a global analysis of city analogues. *PLoS ONE*, **2019**, 14, e0217592	3.7	40
19	Shortened temperature-relevant period of spring leaf-out in temperate-zone trees. *Global Change Biology*, **2019**, 25, 4282-4290	11.4	12
18	The global tree restoration potential. *Science*, **2019**, 365, 76-79	33.3	658
17	Response to Comments on "The global tree restoration potential". *Science*, **2019**, 366,	33.3	15
16	Forest restoration: Transformative trees-Response. *Science*, **2019**, 366, 317	33.3	1
15	Phenology and the city. *Nature Ecology and Evolution*, **2019**, 3, 1618-1619	12.3	6
14	Examining the support-supply and bud-packing hypotheses for the increase in toothed leaf margins in northern deciduous floras. *American Journal of Botany*, **2019**, 106, 1404-1411	2.7	3
13	Response to Comment on "The global tree restoration potential". *Science*, **2019**, 366,	33.3	3
12	Increased autumn productivity permits temperate trees to compensate for spring frost damage. *New Phytologist*, **2019**, 221, 789-795	9.8	28
11	Digitization protocol for scoring reproductive phenology from herbarium specimens of seed plants. *Applications in Plant Sciences*, **2018**, 6, e1022	2.3	33
10	Climate Change and Phenological Mismatch in Trophic Interactions Among Plants, Insects, and Vertebrates. *Annual Review of Ecology, Evolution, and Systematics*, **2018**, 49, 165-182	13.5	196
9	Global warming reduces leaf-out and flowering synchrony among individuals. *ELife*, **2018**, 7,	8.9	32
8	Plant fossils reveal major biomes occupied by the late Miocene Old-World Pikermian fauna. *Nature Ecology and Evolution*, **2018**, 2, 1864-1870	12.3	16
7	Spring predictability explains different leaf-out strategies in the woody floras of North America, Europe and East Asia. *Ecology Letters*, **2017**, 20, 452-460	10	39
6	The relative roles of local climate adaptation and phylogeny in determining leaf-out timing of temperate tree species. *Forest Ecosystems*, **2017**, 4,	3.8	5
5	Innately shorter vegetation periods in North American species explain native-non-native phenological asymmetries. *Nature Ecology and Evolution*, **2017**, 1, 1655-1660	12.3	24

4	Day length unlikely to constrain climate-driven shifts in leaf-out times of northern woody plants. *Nature Climate Change*, **2016**, 6, 1120-1123	21.4	114
3	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	6.1	39
2	Perception of photoperiod in individual buds of mature trees regulates leaf-out. *New Phytologist*, **2015**, 208, 1023-30	9.8	50
1	Common garden comparison of the leaf-out phenology of woody species from different native climates, combined with herbarium records, forecasts long-term change. *Ecology Letters*, **2014**, 17, 1016-25	10	84