Andrew Hacket-Pain

List of Publications by Year
in descending order

39 papers	1,386 citations	331670 21 h-index	345221 36 g-index
41 all docs	41 docs citations	41 times ranked	1324 citing authors

#	Article	IF	Citations
1	Climatically controlled reproduction drives interannual growth variability in a temperate tree species. Ecology Letters, 2018, 21, 1833-1844.	6.4	92
2	The influence of masting phenomenon on growth-climate relationships in trees: explaining the influence of previous summers' climate on ring width. Tree Physiology, 2015, 35, 319-330.	3.1	91
3	Consistent limitation of growth by high temperature and low precipitation from range core to southern edge of European beech indicates widespread vulnerability to changing climate. European Journal of Forest Research, 2016, 135, 897-909.	2.5	90
4	Climate-change-driven growth decline of European beech forests. Communications Biology, 2022, 5, 163.	4.4	89
5	Spatial patterns and broadâ€scale weather cues of beech mast seeding in Europe. New Phytologist, 2017, 215, 595-608.	7.3	86
6	Climate warming disrupts mast seeding and its fitness benefits in European beech. Nature Plants, 2020, 6, 88-94.	9.3	86
7	From theory to experiments for testing the proximate mechanisms of mast seeding: an agenda for an experimental ecology. Ecology Letters, 2020, 23, 210-220.	6.4	64
8	Inter-annual and decadal changes in teleconnections drive continental-scale synchronization of tree reproduction. Nature Communications, 2017, 8, 2205.	12.8	56
9	Reproducing reproduction: How to simulate mast seeding in forest models. Ecological Modelling, 2018, 376, 40-53.	2.5	53
10	Nutrient scarcity as a selective pressure for mast seeding. Nature Plants, 2019, 5, 1222-1228.	9.3	53
11	Two centuries of masting data for <scp>E</scp>uropean beech and <scp>N</scp>orway spruce across the <scp>E</scp>uropean continent. Ecology, 2017, 98, 1473-1473.	3.2	47
12	Drought and reproductive effort interact to control growth of a temperate broadleaved tree species (Fagus sylvatica). Tree Physiology, 2017, 37, 744-754.	3.1	40
13	Lowest drought sensitivity and decreasing growth synchrony towards the dry distribution margin of European beech. Journal of Biogeography, 2020, 47, 1910-1921.	3.0	40
14	Meta-analysis Reveals Different Competition Effects on Tree Growth Resistance and Resilience to Drought. Ecosystems, 2022, 25, 30-43.	3.4	40
15	The ecology and evolution of synchronized reproduction in long-lived plants. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200369.	4.0	36
16	Climate teleconnections synchronize Picea glauca masting and fire disturbance: Evidence for a fireâ€related form of environmental prediction. Journal of Ecology, 2020, 108, 1186-1198.	4.0	35
17	Temperature and masting control Norway spruce growth, but with high individual tree variability. Forest Ecology and Management, 2019, 438, 142-150.	3.2	34
18	Climate change and plant reproduction: trends and drivers of mast seeding change. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200379.	4.0	33

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19	Modeling Tree Growth Taking into Account Carbon Source and Sink Limitations. Frontiers in Plant Science, 2017, 8, 182.	3.6	32
20	Climate Change Strengthens Selection for Mast Seeding in European Beech. Current Biology, 2020, 30, 3477-3483.e2.	3.9	31
21	Climate warming causes mast seeding to break down by reducing sensitivity to weather cues. Global Change Biology, 2021, 27, 1952-1961.	9.5	29
22	Drivers of persistent post-fire recruitment in European beech forests. Science of the Total Environment, 2020, 699, 134006.	8.0	21
23	Limits to reproduction and seed size-number trade-offs that shape forest dominance and future recovery. Nature Communications, 2022, 13, 2381.	12.8	21
24	No systematic effects of sampling direction on climate-growth relationships in a large-scale, multi-species tree-ring data set. Dendrochronologia, 2019, 57, 125624.	2.2	20
25	Tenâ€year assessment of the 100 priority questions for global biodiversity conservation. Conservation Biology, 2018, 32, 1457-1463.	4.7	19
26	Environmental variation drives continentalâ€scale synchrony of European beech reproduction. Ecology, 2021, 102, e03384.	3.2	19
27	MASTREE+: Timeâ€series of plant reproductive effort from six continents. Global Change Biology, 2022, 28, 3066-3082.	9.5	19
28	Increased growth and reduced summer drought limitation at the southern limit of Fagus sylvatica L., despite regionally warmer and drier conditions. Dendrochronologia, 2017, 44, 22-30.	2.2	17
29	Modes of climate variability bridge proximate and evolutionary mechanisms of masting. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200380.	4.0	14
30	Growth of male and female Araucaria araucana trees respond differently to regional mast events, creating sex-specific patterns in their tree-ring chronologies. Ecological Indicators, 2021, 122, 107245.	6.3	13
31	What drives phenological synchrony? Warm springs advance and desynchronize flowering in oaks. Agricultural and Forest Meteorology, 2020, 294, 108140.	4.8	12
32	Macroevolutionary consequences of mast seeding. Philosophical Transactions of the Royal Society B: Biological Sciences, 2021, 376, 20200372.	4.0	11
33	Globally, tree fecundity exceeds productivity gradients. Ecology Letters, 2022, 25, 1471-1482.	6.4	11
34	Leaf phenology correlates with fruit production in European beech (Fagus sylvatica) and in temperate oaks (Quercus robur and Quercus petraea). European Journal of Forest Research, 2021, 140, 733-744.	2.5	8
35	Jet stream position explains regional anomalies in European beech forest productivity and tree growth. Nature Communications, 2022, 13, 2015.	12.8	8
36	Reply to: Nutrient scarcity cannot cause mast seeding. Nature Plants, 2020, 6, 763-765.	9.3	6

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37	A new approach for modeling delayed fireâ€induced tree mortality. Ecosphere, 2021, 12, e03458.	2.2	5
38	Masting. Current Biology, 2021, 31, R884-R885.	3.9	2
39	Steps to diversify priorityâ€setting research in conservation: reflections on de Gracia 2021. Conservation Biology, 2021, 35, 1324-1326.	4.7	0