Mark Rees

List of Publications by Year
in descending order

53 papers	4,478 citations	117625 34 h-index	175258 52 g-index
53 all docs	53 docs citations	53 times ranked	5063 citing authors

#	Article	IF	Citations
1	Seed mass and the competition/colonization trade-off: a sowing experiment. Journal of Ecology, 1999, 87, 899-912.	4.0	381
2	Evolutionary bet-hedging in the real world: empirical evidence and challenges revealed by plants. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 3055-3064.	2.6	322
3	How can we make plants grow faster? A sourceâ€“sink perspective on growth rate. Journal of Experimental Botany, 2016, 67, 31-45.	4.8	228
4	Models Suggesting Field Experiments to Test Two Hypotheses Explaining Successional Diversity. American Naturalist, 1998, 152, 729-737.	2.1	223
5	Quantifying the Impact of Competition and Spatial Heterogeneity on the Structure and Dynamics of a Four-Species Guild of Winter Annuals. American Naturalist, 1996, 147, 1-32.	2.1	200
6	Ecophysiological traits in C₃ and C₄ grasses: a phylogenetically controlled screening experiment. New Phytologist, 2010, 185, 780-791.	7.3	196
7	Trade-offs among dispersal strategies in British plants. Nature, 1993, 366, 150-152.	27.8	187
8	Data-driven Modelling of Structured Populations. Lecture Notes on Mathematical Modelling in the Life Sciences, 2016, , .	0.4	170
9	Community Structure in Sand Dune Annuals: Is Seed Weight a Key Quantity?. Journal of Ecology, 1995, 83, 857.	4.0	154
10	Seed mass and the competition/colonization trade-off: competitive interactions and spatial patterns in a guild of annual plants. Journal of Ecology, 2004, 92, 97-109.	4.0	153
11	Integral projection models for populations in temporally varying environments. Ecological Monographs, 2009, 79, 575-594.	5.4	139
12	Snow Tussocks, Chaos, and the Evolution of Mast Seeding. American Naturalist, 2002, 160, 44-59.	2.1	135
13	Partitioning the Components of Relative Growth Rate: How Important Is Plant Size Variation?. American Naturalist, 2010, 176, E152-E161.	2.1	114
14	Demography and management of the invasive plant species Hypericum perforatum. I. Using multi-level mixed-effects models for characterizing growth, survival and fecundity in a long-term data set. Journal of Applied Ecology, 2003, 40, 481-493.	4.0	93
15	How did the domestication of Fertile Crescent grain crops increase their yields?. Functional Ecology, 2017, 31, 387-397.	3.6	93
16	Evolution of sizeâ€“dependent flowering in a variable environment: construction and analysis of a stochastic integral projection model. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 425-434.	2.6	90
17	Modelling integrated weed management of an invasive shrub in tropical Australia. Journal of Applied Ecology, 2004, 41, 547-560.	4.0	90
18	Factors affecting invasion and persistence of broom Cytisus scoparius in Australia. Journal of Applied Ecology, 2002, 39, 721-734.	4.0	89

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19	ARE INVASIVES BIGGER? A GLOBAL STUDY OF SEED SIZE VARIATION IN TWO INVASIVE SHRUBS. Ecology, 2003, 84, 1434-1440.	3.2	89
20	Evolution of complex flowering strategies: an ageâ€“ and sizeâ€“structured integral projection model. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 1829-1838.	2.6	87
21	C4 photosynthesis boosts growth by altering physiology, allocation and size. Nature Plants, 2016, 2, 16038.	9.3	81
22	Seed Dormancy and Delayed Flowering in Monocarpic Plants: Selective Interactions in a Stochastic Environment. American Naturalist, 2006, 168, E53-E71.	2.1	76
23	Long-term nitrogen deposition depletes grassland seed banks. Nature Communications, 2015, 6, 6185.	12.8	76
24	A new method for measuring relative growth rate can uncover the costs of defensive compounds in <i>Arabidopsis thaliana</i>. New Phytologist, 2010, 187, 1102-1111.	7.3	74
25	Severe effects of long-term drought on calcareous grassland seed banks. Npj Climate and Atmospheric Science, 2018, 1, .	6.8	74
26	Demography and management of the invasive plant species Hypericum perforatum. II. Construction and use of an individual-based model to predict population dynamics and the effects of management strategies. Journal of Applied Ecology, 2003, 40, 494-507.	4.0	67
27	Evolution of flowering strategies in Oenothera glazioviana : an integral projection model approach. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 1509-1515.	2.6	66
28	The costs and benefits of fast living. Ecology Letters, 2009, 12, 1379-1384.	6.4	64
29	IDENTIFYING AGGREGATION AND ASSOCIATION IN FULLY MAPPED SPATIAL DATA. Ecology, 1999, 80, 554-565.	3.2	59
30	How spatial structure alters population and community dynamics in a natural plant community. Journal of Ecology, 2007, 95, 79-89.	4.0	54
31	Plant growth rates and seed size: a reâ€evaluation. Ecology, 2012, 93, 1283-1289.	3.2	54
32	Evolution of size-dependent flowering in a variable environment: partitioning the effects of fluctuating selection. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 471-475.	2.6	46
33	Functional Traits Differ between Cereal Crop Progenitors and Other Wild Grasses Gathered in the Neolithic Fertile Crescent. PLoS ONE, 2014, 9, e87586.	2.5	41
34	Competition on productivity gradients â€“ what do we expect?. Ecology Letters, 2013, 16, 291-298.	6.4	37
35	Still armed after domestication? Impacts of domestication and agronomic selection on silicon defences in cereals. Functional Ecology, 2017, 31, 2108-2117.	3.6	35
36	Asymmetric Light Competition and Founder Control in Plant Communities. Journal of Theoretical Biology, 1997, 184, 353-358.	1.7	34

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37	Statistical modelling of annual variation for inference on stochastic population dynamics using Integral Projection Models. Methods in Ecology and Evolution, 2015, 6, 1007-1017.	5.2	31
38	The effect of soil pH on persistence of seeds of grassland species in soil. Plant Ecology, 2015, 216, 1163-1175.	1.6	31
39	A nonâ€targeted metabolomics approach to quantifying differences in root storage between fastâ€•and slowâ€growing plants. New Phytologist, 2012, 196, 200-211.	7.3	28
40	Title is missing!. Plant Ecology, 2002, 163, 23-38.	1.6	27
41	Were Fertile Crescent crop progenitors higher yielding than other wild species that were never domesticated?. New Phytologist, 2015, 207, 905-913.	7.3	26
42	Seed Dormancy. , 0, , 214-238.		24
43	The effect of established plants on recruitment in the annual forb Sinapis arvensis. Oecologia, 1991, 87, 58-62.	2.0	20
44	Strong responses from weakly interacting species. Ecology Letters, 2018, 21, 1845-1852.	6.4	20
45	C₄ photosynthesis and the economic spectra of leaf and root traits independently influence growth rates in grasses. Journal of Ecology, 2020, 108, 1899-1909.	4.0	20
46	Does seed mass drive the differences in relative growth rate between growth forms?. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20130921.	2.6	19
47	The triangular seed massâ€“leaf area relationship holds for annual plants and is determined by habitat productivity. Functional Ecology, 2017, 31, 1770-1779.	3.6	16
48	Cereal progenitors differ in stand harvest characteristics from related wild grasses. Journal of Ecology, 2018, 106, 1286-1297.	4.0	11
49	Large seeds provide an intrinsic growth advantage that depends on leaf traits and root allocation. Functional Ecology, 2021, 35, 2168-2178.	3.6	9
50	Disparities among crop species in the evolution of growth rates: the role of distinct origins and domestication histories. New Phytologist, 2022, 233, 995-1010.	7.3	8
51	Exploring population responses to environmental change when there is never enough data: a factor analytic approach. Methods in Ecology and Evolution, 2018, 9, 2283-2293.	5.2	7
52	Fertile Crescent crop progenitors gained a competitive advantage from large seedlings. Ecology and Evolution, 2021, 11, 3300-3312.	1.9	7
53	The morphogenesis of fast growth in plants. New Phytologist, 2020, 228, 1306-1315.	7.3	3