Jonathan Silvertown

List of Publications by Year
in descending order

43 papers	5,394 citations	147801 31 h-index	254184 43 g-index
43 all docs	43 docs citations	43 times ranked	7317 citing authors

#	Article	IF	Citations
1	A new dawn for citizen science. Trends in Ecology and Evolution, 2009, 24, 467-471.	8.7	829
2	Hydrologically defined niches reveal a basis for species richness in plant communities. Nature, 1999, 400, 61-63.	27.8	456
3	The Park Grass Experiment 1856-2006: its contribution to ecology. Journal of Ecology, 2006, 94, 801-814.	4.0	328
4	The Evolutionary Maintenance of Sexual Reproduction: Evidence from the Ecological Distribution of Asexual Reproduction in Clonal Plants. International Journal of Plant Sciences, 2008, 169, 157-168.	1.3	327
5	Interpretation of Elasticity Matrices as an Aid to the Management of Plant Populations for Conservation. Conservation Biology, 1996, 10, 591-597.	4.7	269
6	A COMPARATIVE DEMOGRAPHY OF PLANTS BASED UPON ELASTICITIES OF VITAL RATES. Ecology, 2004, 85, 531-538.	3.2	269
7	Hydrological niches in terrestrial plant communities: a review. Journal of Ecology, 2015, 103, 93-108.	4.0	256
8	PHYLOGENY AND THE HIERARCHICAL ORGANIZATION OF PLANT DIVERSITY. Ecology, 2006, 87, S39-S49.	3.2	194
9	LEAF-CANOPY-INDUCED SEED DORMANCY IN A GRASSLAND FLORA. New Phytologist, 1980, 85, 109-118.	7.3	191
10	Have Ecosystem Services Been Oversold?. Trends in Ecology and Evolution, 2015, 30, 641-648.	8.7	185
11	A fundamental, ecoâ€hydrological basis for niche segregation in plant communities. New Phytologist, 2011, 189, 253-258.	7.3	171
12	Rainfall, Biomass Variation, and Community Composition in the Park Grass Experiment. Ecology, 1994, 75, 2430.	3.2	156
13	Absence of phylogenetic signal in the niche structure of meadow plant communities. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 39-44.	2.6	145
14	The paradox of seed size and adaptation. Trends in Ecology and Evolution, 1989, 4, 24-26.	8.7	139
15	Variation in the demography of a woodland understorey herb (Primula vulgaris) along the forest regeneration cycle: projection matrix analysis. Journal of Ecology, 1998, 86, 545-562.	4.0	133
16	Citizen Science Reveals Unexpected Continental-Scale Evolutionary Change in a Model Organism. PLoS ONE, 2011, 6, e18927.	2.5	118
17	Phylogeny and the niche structure of meadow plant communities. Journal of Ecology, 2001, 89, 428-435.	4.0	117
18	Crowdsourcing the identification of organisms: A case-study of iSpot. ZooKeys, 2015, 480, 125-146.	1.1	109

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19	Do plants need niches? Some recent developments in plant community ecology. Trends in Ecology and Evolution, 1987, 2, 24-26.	8.7	101
20	CANOPY CLOSURE RATE AND FOREST STRUCTURE. Ecology, 1997, 78, 1555-1562.	3.2	101
21	PREDICTION OF EXTINCTION IN PLANTS: INTERACTION OF EXTRINSIC THREATS AND LIFE HISTORY TRAITS. Ecology, 2007, 88, 2662-2672.	3.2	90
22	Evolution MegaLab: a case study in citizen science methods. Methods in Ecology and Evolution, 2012, 3, 303-309.	5.2	79
23	Community Structure in a Desert Perennial Community. Ecology, 1994, 75, 409-417.	3.2	56
24	Community genetics: resource addition has opposing effects on genetic and species diversity in a 150â€year experiment. Ecology Letters, 2009, 12, 165-170.	6.4	56
25	Evolutionary Ecology of Senescence and a Reassessment of Williamsâ€™ â€˜Extrinsic Mortalityâ€™ Hypothesis. Trends in Ecology and Evolution, 2019, 34, 519-530.	8.7	55
26	Explaining hydrological niches: the decisive role of belowâ€ground competition in two closely related Senecio species. Journal of Ecology, 2010, 98, 126-136.	4.0	50
27	Ecological Stability: A Test Case. American Naturalist, 1987, 130, 807-810.	2.1	43
28	Short-term effects and long-term after-effects of fertilizer application on the flowering population of green-winged orchid Orchis morio. Biological Conservation, 1994, 69, 191-197.	4.1	40
29	Community assembly from the local species pool: an experimental study using congeneric species pairs. Journal of Ecology, 2002, 90, 385-393.	4.0	40
30	Environmental myopia: a diagnosis and a remedy. Trends in Ecology and Evolution, 2010, 25, 556-561.	8.7	40
31	Germination and population structure of spear thistle Cirsium vulgare in relation to experimentally controlled sheep grazing. Oecologia, 1989, 81, 369-373.	2.0	37
32	Mapping the Microenvironment for Seed Germination in the Field. Annals of Botany, 1989, 63, 163-167.	2.9	33
33	Application of the British national vegetation classification to the communities of the park grass experiment through time. Folia Geobotanica Et Phytotaxonomica, 1994, 29, 321-334.	0.4	31
34	Dorothy's Dilemma and the unification of plant population biology. Trends in Ecology and Evolution, 1991, 6, 346-348.	8.7	30
35	Dissecting the hydrological niche: soil moisture, space and lifespan. Journal of Vegetation Science, 2016, 27, 219-226.	2.2	27
36	Plant phenotypic plasticity and non-cognitive behaviour. Trends in Ecology and Evolution, 1998, 13, 255-256.	8.7	25

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37	Plant life history: Death of the elusive biennial. Nature, 1984, 310, 271-271.	27.8	22
38	Sustainability in a nutshell. Trends in Ecology and Evolution, 2004, 19, 276-278.	8.7	21
39	Williamsâ€™ Intuition about Extrinsic Mortality Is Irrelevant. Trends in Ecology and Evolution, 2020, 35, 379.	8.7	8
40	Heritable genetic variation but no local adaptation in a pine-ectomycorrhizal interaction. Mycorrhiza, 2020, 30, 185-195.	2.8	6
41	Ecologists Need to be Cautious about Economic Metaphors: A Reply. Trends in Ecology and Evolution, 2016, 31, 336.	8.7	4
42	George C. Williamsâ€™ Problematic Model of Selection and Senescence: Time to Move on. Trends in Ecology and Evolution, 2020, 35, 303-305.	8.7	4
43	Location, but not defensive genotype, determines ectomycorrhizal community composition in Scots pine (Pinus sylvestris L.) seedlings. Ecology and Evolution, 2021, 11, 4826-4842.	1.9	3