Jonathan M Yearsley

List of Publications by Year
in descending order

59 papers	2,426 citations	257429 24 h-index	206102 48 g-index
64 all docs	64 docs citations	64 times ranked	4128 citing authors

#	Article	IF	Citations
1	Regression analysis of spatial data. Ecology Letters, 2010, 13, 246-264.	6.4	455
2	Explaining the geographic distributions of sexual and asexual populations. Nature, 1998, 391, 889-892.	27.8	194
3	Baseline intrinsic flammability of Earthâ€™s ecosystems estimated from paleoatmospheric oxygen over the past 350 million years. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 22448-22453.	7.1	158
4	Weak interactions, omnivory and emergent food-web properties. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 397-405.	2.6	142
5	Does Size Matter? Atmospheric CO2 May Be a Stronger Driver of Stomatal Closing Rate Than Stomatal Size in Taxa That Diversified under Low CO2. Frontiers in Plant Science, 2016, 7, 1253.	3.6	99
6	Inferring landscape effects on dispersal from genetic distances: how far can we go?. Molecular Ecology, 2011, 20, 692-705.	3.9	94
7	GENETIC DRIFT AND COLLECTIVE DISPERSAL CAN RESULT IN CHAOTIC GENETIC PATCHINESS. Evolution; International Journal of Organic Evolution, 2013, 67, 1660-1675.	2.3	80
8	The evolution of the control of food intake. Proceedings of the Nutrition Society, 2002, 61, 465-472.	1.0	74
9	Current hypotheses to explain genetic chaos under the sea. Environmental Epigenetics, 2016, 62, 551-566.	1.8	69
10	Propagation probability and spread rates of self-sustained smouldering fires under controlled moisture content and bulk density conditions. International Journal of Wildland Fire, 2016, 25, 456.	2.4	55
11	Red herrings remain in geographical ecology: a reply to Hawkins et al. (2007). Ecography, 2007, 30, 845-847.	4.5	53
12	Loss of functionally unique species may gradually undermine ecosystems. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 1886-1893.	2.6	53
13	Optimization of short-term animal behaviour and the currency of time. Animal Behaviour, 2002, 64, 945-953.	1.9	52
14	Associations between basal metabolic rate and reproductive performance in C57BL/6J mice. Journal of Experimental Biology, 2007, 210, 65-74.	1.7	51
15	Does the activity budget hypothesis explain sexual segregation in ungulates?. Animal Behaviour, 2005, 69, 257-267.	1.9	48
16	A Theory of Associating Food Types with Their Postingestive Consequences. American Naturalist, 2006, 167, 705-716.	2.1	48
17	Transient population dynamics and short-term sensitivity analysis of matrix population models. Ecological Modelling, 2004, 177, 245-258.	2.5	44
18	Theoretical developments in the study and prediction of food intake. Proceedings of the Nutrition Society, 2001, 60, 145-156.	1.0	40

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19	Effects of spatial heterogeneity in moisture content on the horizontal spread of peat fires. Science of the Total Environment, 2016, 572, 1422-1430.	8.0	38
20	Having it all: historical energy intakes do not generate the anticipated trade-offs in fecundity. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1369-1374.	2.6	33
21	Inferring recent migration rates from individual genotypes. Molecular Ecology, 2009, 18, 1048-1060.	3.9	32
22	Larval Transport Modeling of Deep-Sea Invertebrates Can Aid the Search for Undiscovered Populations. PLoS ONE, 2011, 6, e23063.	2.5	30
23	Invading and Expanding: Range Dynamics and Ecological Consequences of the Greater White-Toothed Shrew (Crocidura russula) Invasion in Ireland. PLoS ONE, 2014, 9, e100403.	2.5	30
24	Quantifying largeâ€scale ecosystem stability with remote sensing data. Remote Sensing in Ecology and Conservation, 2020, 6, 354-365.	4.3	28
25	Emerging Infectious Disease Implications of Invasive Mammalian Species: The Greater White-Toothed Shrew (Crocidura russula) Is Associated With a Novel Serovar of Pathogenic Leptospira in Ireland. PLoS Neglected Tropical Diseases, 2016, 10, e0005174.	3.0	27
26	Charring temperatures are driven by the fuel types burned in a peatland wildfire. Frontiers in Plant Science, 2014, 5, 714.	3.6	26
27	A potential role for rare species in ecosystem dynamics. Scientific Reports, 2019, 9, 11107.	3.3	26
28	THE EFFECT OF COLLECTIVE DISPERSAL ON THE GENETIC STRUCTURE OF A SUBDIVIDED POPULATION. Evolution; International Journal of Organic Evolution, 2013, 67, 1649-1659.	2.3	25
29	Blue compact dwarf galaxies and new velocities in Virgo. Monthly Notices of the Royal Astronomical Society, 1996, 279, 595-614.	4.4	22
30	Cosmological models of dimensional segregation. Classical and Quantum Gravity, 1996, 13, 2693-2706.	4.0	22
31	The Fixation of Locally Beneficial Alleles in a Metapopulation. Genetics, 2008, 178, 467-475.	2.9	21
32	A life history model of somatic damage associated with resource acquisition: damage protection or prevention?. Journal of Theoretical Biology, 2005, 235, 305-317.	1.7	19
33	Equivalence relationships between stage-structured population models. Mathematical Biosciences, 2002, 179, 131-143.	1.9	18
34	Quantifying the effect of semiâ€natural riparian cover on stream temperatures: implications for salmonid habitat management. Fisheries Management and Ecology, 2013, 20, 494-507.	2.0	18
35	Environmental factors associated with invasion: modelling occurrence data from a coordinated sampling programme for Pacific oysters. Biological Invasions, 2013, 15, 2265-2279.	2.4	17
36	TRANSIENT POPULATION DYNAMICS IN PERIODIC MATRIX MODELS: METHODOLOGY AND EFFECTS OF CYCLIC PERMUTATIONS. Ecology, 2006, 87, 2338-2348.	3.2	16

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37	Sensitivity analysis of equilibrium population size in a density-dependent model for Short-tailed Shearwaters. Ecological Modelling, 2003, 163, 119-129.	2.5	15
38	A Lifetime Perspective on Foraging and Mortality. Journal of Theoretical Biology, 2002, 215, 385-397.	1.7	14
39	Data quantity is more important than its spatial bias for predictive species distribution modelling. PeerJ, 2020, 8, e10411.	2.0	14
40	How does pattern of feeding and rate of nutrient delivery influence conditioned food preferences?. Oecologia, 2007, 153, 617-624.	2.0	13
41	Molecular and morphological insights into the origin of the invasive greater white-toothed shrew (Crocidura russula) in Ireland. Biological Invasions, 2016, 18, 857-871.	2.4	13
42	Optimal diet selection, frequency dependence and prey renewal. Theoretical Population Biology, 2003, 64, 129-139.	1.1	10
43	High connectivity in a long-lived high-Arctic seabird, the ivory gull Pagophila eburnea. Polar Biology, 2016, 39, 221-236.	1.2	10
44	The Approximately Ideal, More or Less Free Distribution. Theoretical Population Biology, 2001, 59, 87-105.	1.1	9
45	Sexual selection for fighting skills as a driver of sexual segregation in polygynous ungulates: an evolutionary model. Animal Behaviour, 2010, 80, 745-755.	1.9	9
46	Modelling the impact of microbial grazers on soluble rhizodeposit turnover. Plant and Soil, 2004, 267, 329-342.	3.7	8
47	Predicting the effects of body fatness on food intake and performance of sheep. British Journal of Nutrition, 2007, 97, 1206-1215.	2.3	8
48	Fineâ€scale distribution of moisture in the surface of a degraded blanket bog and its effects on the potential spread of smouldering fire. Ecohydrology, 2017, 10, e1898.	2.4	8
49	Modelling the behaviour of individuals and groups of animals foraging in heterogeneous environments. , 0, , 294-309.		7
50	Land cover drives large scale productivity-diversity relationships in Irish vascular plants. PeerJ, 2019, 7, e7035.	2.0	6
51	Invasion and eradication of a competitively superior species in heterogeneous landscapes. Ecological Modelling, 2011, 222, 398-406.	2.5	5
52	Infrared Image Analysis as a Tool for Studying the Horizontal Smoldering Propagation of Laboratory Peat Fires. , 2015, , 121-139.		4
53	Contrasting dispersal inference methods for the greater white-toothed shrew. Journal of Wildlife Management, 2016, 80, 812-823.	1.8	4
54	Ecosystem stability at the landscape scale is primarily associated with climatic history. Functional Ecology, 2022, 36, 622-634.	3.6	4

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55	Meteorological factors associated with the timing and abundance of Hymenoscyphus fraxineus spore release. International Journal of Biometeorology, 2022, 66, 493-506.	3.0	4
56	Searching for genetic evidence of demographic decline in an arctic seabird: beware of overlapping generations. Heredity, 2022, 128, 364-376.	2.6	2
57	Serial postdoc. Nature, 2008, 451, 862-862.	27.8	1
58	Compact Galaxies in the Virgo Field. International Astronomical Union Colloquium, 1995, 148, 111-115.	0.1	0
59	The very hungry postdoc. Nature, 2008, 452, 778-778.	27.8	0