Ryan A Chisholm

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/7107773/publications.pdf

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73	2,225	236925	243625
papers	citations	25	44
		h-index	g-index

74	74	74	3550
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Scaleâ€dependent relationships between tree species richness and ecosystem function in forests. Journal of Ecology, 2013, 101, 1214-1224.	4.0	265
2	Niche and neutral models predict asymptotically equivalent species abundance distributions in high-diversity ecological communities. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 15821-15825.	7.1	172
3	Trade-offs between ecosystem services: Water and carbon in a biodiversity hotspot. Ecological Economics, 2010, 69, 1973-1987.	5.7	132
4	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. Biological Conservation, 2021, 253, 108907.	4.1	122
5	Temporal variability of forest communities: empirical estimates of population change in 4000 tree species. Ecology Letters, 2014, 17, 855-865.	6.4	115
6	UAV LiDAR for below-canopy forest surveys. Journal of Unmanned Vehicle Systems, 2013, 01, 61-68.	1.2	98
7	Utility of Dynamic-Landscape Metapopulation Models for Sustainable Forest Management. Conservation Biology, 2005, 19, 1930-1943.	4.7	83
8	Linking dispersal, immigration and scale in the neutral theory of biodiversity. Ecology Letters, 2009, 12, 1385-1393.	6.4	73
9	Critical slowing down as an indicator of transitions in two-species models. Journal of Theoretical Biology, 2009, 257, 142-149.	1.7	57
10	Speciesâ€“area relationships and biodiversity loss in fragmented landscapes. Ecology Letters, 2018, 21, 804-813.	6.4	55
11	The need for longâ€term remedies for Indonesia's forest fires. Conservation Biology, 2016, 30, 5-6.	4.7	54
12	Thirty Years of Forest Census at Barro Colorado and the Importance of Immigration in Maintaining Diversity. PLoS ONE, 2012, 7, e49826.	2.5	53
13	A theoretical model linking interspecific variation in density dependence to species abundances. Theoretical Ecology, 2011, 4, 241-253.	1.0	46
14	Spatial Risk Assessment of Alien Invasive Plants in China. Environmental Science & Technology, 2013, 47, 7624-7632.	10.0	42
15	Maintenance of biodiversity on islands. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160102.	2.6	41
16	Reproducing static and dynamic biodiversity patterns in tropical forests: the critical role of environmental variance. Ecology, 2016, 97, 1207-1217.	3.2	40
17	Mean growth rate when rare is not a reliable metric for persistence of species. Ecology Letters, 2020, 23, 274-282.	6.4	40
18	Species ages in neutral biodiversity models. Theoretical Population Biology, 2014, 93, 85-94.	1.1	36

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19	Quantifying species extinction risk under temporal environmental variance. Ecological Complexity, 2018, 34, 139-146.	2.9	36
20	Tropical Vegetation and Residential Property Value: A Hedonic Pricing Analysis in Singapore. Ecological Economics, 2018, 149, 149-159.	5.7	35
21	Is Variation in Conspecific Negative Density Dependence Driving Tree Diversity Patterns at Large Scales?. Trends in Ecology and Evolution, 2021, 36, 151-163.	8.7	34
22	Theory predicts a rapid transition from niche-structured to neutral biodiversity patterns across a speciation-rate gradient. Theoretical Ecology, 2011, 4, 195-200.	1.0	31
23	A comprehensive assessment of diversity loss in a well-documented tropical insect fauna: Almost half of Singapore's butterfly species extirpated in 160Âyears. Biological Conservation, 2020, 242, 108401.	4.1	31
24	Patterns of nitrogenâ€fixing tree abundance in forests across Asia and America. Journal of Ecology, 2019, 107, 2598-2610.	4.0	29
25	Modelling human impacts on the Tasmanian wedge-tailed eagle (Aquila audax fleayi). Biological Conservation, 2009, 142, 2438-2448.	4.1	28
26	Top 100 research questions for biodiversity conservation in Southeast Asia. Biological Conservation, 2019, 234, 211-220.	4.1	28
27	A mean field model for competition: from neutral ecology to the Red Queen. Ecology Letters, 2014, 17, 961-969.	6.4	26
28	Characterising extinction debt following habitat fragmentation using neutral theory. Ecology Letters, 2019, 22, 2087-2096.	6.4	26
29	Detecting and projecting changes in forest biomass from plot data. , 2014, , 381-416.		24
30	Sampling species abundance distributions: Resolving the veil-line debate. Journal of Theoretical Biology, 2007, 247, 600-607.	1.7	21
31	Singaporeâ€™s willingness to pay for mitigation of transboundary forest-fire haze from Indonesia. Environmental Research Letters, 2017, 12, 024017.	5.2	21
32	Janzen-Connell Effects Are a Weak Impediment to Competitive Exclusion. American Naturalist, 2020, 196, 649-661.	2.1	21
33	Effects of habitat area and spatial configuration on biodiversity in an experimental intertidal community. Ecology, 2019, 100, e02757.	3.2	20
34	The Termite Worker Phenotype Evolved as a Dispersal Strategy for Fertile Wingless Individuals before Eusociality. American Naturalist, 2016, 187, 372-387.	2.1	19
35	Comment on â€œPlant diversity increases with the strength of negative density dependence at the global scaleâ€• Science, 2018, 360, .	12.6	18
36	Nullâ€Hypothesis Significance Testing and the Critical Weight Range for Australian Mammals. Conservation Biology, 2007, 21, 1641-1645.	4.7	16

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37	THE UNIFIED NEUTRAL THEORY OF BIODIVERSITY AND BIOGEOGRAPHY: COMMENT. Ecology, 2004, 85, 3172-3174.	3.2	15
38	Body size and extinction risk in Australian mammals: An informationâ€theoretic approach. Austral Ecology, 2010, 35, 616-623.	1.5	14
39	Invasion growth rate and its relevance to persistence: a response to Technical Comment by Ellner et al.. Ecology Letters, 2020, 23, 1725-1726.	6.4	13
40	INCORPORATING LANDSCAPE STOCHASTICITY INTO POPULATION VIABILITY ANALYSIS. , 2007, 17, 317-322.		12
41	The potential for alternative stable states in nutrient-enriched invaded grasslands. Theoretical Ecology, 2015, 8, 399-417.	1.0	12
42	Species-abundance distributions under colored environmental noise. Journal of Mathematical Biology, 2017, 74, 289-311.	1.9	12
43	Validation and extension of the Tea Bag Index to collect decomposition data from termite-rich ecosystems. Pedobiologia, 2020, 80, 150639.	1.2	12
44	Temporal population variability in local forest communities has mixed effects on tree species richness across a latitudinal gradient. Ecology Letters, 2020, 23, 160-171.	6.4	11
45	Time-dependent solutions of the spatially implicit neutral model of biodiversity. Theoretical Population Biology, 2011, 80, 71-79.	1.1	10
46	A robust nonparametric method for quantifying undetected extinctions. Conservation Biology, 2016, 30, 610-617.	4.7	10
47	Analytical formulae for computing dominance from species-abundance distributions. Journal of Theoretical Biology, 2015, 386, 147-158.	1.7	9
48	Dealing with high uncertainty in qualitative network models using Boolean analysis. Methods in Ecology and Evolution, 2019, 10, 1048-1061.	5.2	8
49	The occurrence of hollows in eucalypts and Ironwood Erythrophleum chlorostachys in the Gulf region of the Northern Territory and its implications for timber harvesting. Pacific Conservation Biology, 2005, 11, 57.	1.0	8
50	A stochastic biodiversity model with overlapping niche structure. Theoretical Ecology, 2015, 8, 81-109.	1.0	7
51	pycoalescence and rcoalescence: Packages for simulating spatially explicit neutral models of biodiversity. Methods in Ecology and Evolution, 2020, 11, 1237-1246.	5.2	7
52	Estimating Tree Diameters from an Autonomous Below-Canopy UAV with Mounted LiDAR. Remote Sensing, 2021, 13, 2576.	4.0	7
53	Bird diversity on shelf islands does not benefit from recent landâ€bridge connections. Journal of Biogeography, 2022, 49, 189-200.	3.0	7
54	Probability distributions of extinction times, species richness, and immigration and extinction rates in neutral ecological models. Journal of Theoretical Biology, 2020, 485, 110051.	1.7	6

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55	Extinction rate of discovered and undiscovered plants in Singapore. Conservation Biology, 2020, 34, 1229-1240.	4.7	6
56	Tracking scientific discovery of avian phylogenetic diversity over 250 years. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20220088.	2.6	6
57	Neutral Theory and Beyond. , 2013, , 510-518.		5
58	Resource conversion: a generalizable mechanism for resourceâ€mediated positive species interactions. Oikos, 2020, 129, 209-223.	2.7	5
59	Choosing ecosystem service investments that are robust to uncertainty across multiple parameters. Ecological Applications, 2012, 22, 697-704.	3.8	4
60	Linking Dispersal and Immigration in Multidimensional Environments. Bulletin of Mathematical Biology, 2012, 74, 1754-1763.	1.9	4
61	Partitioning the effects of deterministic and stochastic processes on species extinction risk. Ecological Complexity, 2019, 38, 156-167.	2.9	4
62	Spatial scaling of species richnessâ€“productivity relationships for local communities: analytical results from a neutral model. Theoretical Ecology, 2020, 13, 93-103.	1.0	4
63	Dynamic Landscape Metapopulation Models and Sustainable Forest Management. , 2009, , 473-499.		3
64	Examining the generality of the biphasic transition from niche-structured to immigration-structured communities. Theoretical Ecology, 0, , 1.	1.0	3
65	Effects of temporal environmental stochasticity on species richness: a mechanistic unification spanning weak to strong temporal correlations. Oikos, 2022, 2022, .	2.7	3
66	Sequestering carbon and restoring renosterveld through fallowing: a practical conservation approach for the Overberg, Cape Floristic Region, South Africa. Conservation Letters, 2013, 6, 255-263.	5.7	2
67	Carryover effects from natal habitat type upon competitive ability lead to trait divergence or sourceâ€“sink dynamics. Ecology Letters, 2018, 21, 1341-1352.	6.4	2
68	Quantifying the relative performance of two undetectedâ€extinction models. Conservation Biology, 2021, 35, 239-248.	4.7	2
69	The Speciesâ€“Area Relationships of Ecological Neutral Theory. , 2021, , 259-288.		2
70	Independent species in independent niches behave neutrally: a response. Oikos, 2011, 120, 964-965.	2.7	0
71	Adding stageâ€structure to a spatial neutral model: implications for explaining local and regional patterns of biodiversity. Oikos, 2021, 130, 1976-1987.	2.7	0
72	Neutral Ecology and Beyond. , 2024, , 1-12.		0

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73	Downstream resource leakage a necessary condition for the stress-gradient hypothesis in processing chain commensalisms. Journal of Theoretical Biology, 2022, 538, 111043.	1.7	0