Ryan A Chisholm

List of Publications by Year
in descending order

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	Neutral Ecology and Beyond. , 2024, , 1-12.		0
2	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
3	Bird diversity on shelf islands does not benefit from recent landâ€bridge connections. Journal of Biogeography, 2022, 49, 189-200.	3.0	7
4	Effects of temporal environmental stochasticity on species richness: a mechanistic unification spanning weak to strong temporal correlations. Oikos, 2022, 2022, .	2.7	3
5	Tracking scientific discovery of avian phylogenetic diversity over 250 years. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20220088.	2.6	6
6	Quantifying the relative performance of two undetectedâ€extinction models. Conservation Biology, 2021, 35, 239-248.	4.7	2
7	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
8	ForestGEO: Understanding forest diversity and dynamics through a global observatory network. Biological Conservation, 2021, 253, 108907.	4.1	122
9	The Speciesâ€“Area Relationships of Ecological Neutral Theory. , 2021, , 259-288.		2
10	Estimating Tree Diameters from an Autonomous Below-Canopy UAV with Mounted LiDAR. Remote Sensing, 2021, 13, 2576.	4.0	7
11	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
12	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
13	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
14	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
15	Resource conversion: a generalizable mechanism for resourceâ€mediated positive species interactions. Oikos, 2020, 129, 209-223.	2.7	5
16	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
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	Janzen-Connell Effects Are a Weak Impediment to Competitive Exclusion. American Naturalist, 2020, 196, 649-661.	2.1	21

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19	pycoalescence and rcoalescence: Packages for simulating spatially explicit neutral models of biodiversity. Methods in Ecology and Evolution, 2020, 11, 1237-1246.	5.2	7
20	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
21	Extinction rate of discovered and undiscovered plants in Singapore. Conservation Biology, 2020, 34, 1229-1240.	4.7	6
22	Validation and extension of the Tea Bag Index to collect decomposition data from termite-rich ecosystems. Pedobiologia, 2020, 80, 150639.	1.2	12
23	Characterising extinction debt following habitat fragmentation using neutral theory. Ecology Letters, 2019, 22, 2087-2096.	6.4	26
24	Partitioning the effects of deterministic and stochastic processes on species extinction risk. Ecological Complexity, 2019, 38, 156-167.	2.9	4
25	Patterns of nitrogenâ€fixing tree abundance in forests across Asia and America. Journal of Ecology, 2019, 107, 2598-2610.	4.0	29
26	Effects of habitat area and spatial configuration on biodiversity in an experimental intertidal community. Ecology, 2019, 100, e02757.	3.2	20
27	Dealing with high uncertainty in qualitative network models using Boolean analysis. Methods in Ecology and Evolution, 2019, 10, 1048-1061.	5.2	8
28	Top 100 research questions for biodiversity conservation in Southeast Asia. Biological Conservation, 2019, 234, 211-220.	4.1	28
29	Tropical Vegetation and Residential Property Value: A Hedonic Pricing Analysis in Singapore. Ecological Economics, 2018, 149, 149-159.	5.7	35
30	Speciesâ€“area relationships and biodiversity loss in fragmented landscapes. Ecology Letters, 2018, 21, 804-813.	6.4	55
31	Quantifying species extinction risk under temporal environmental variance. Ecological Complexity, 2018, 34, 139-146.	2.9	36
32	Comment on â€œPlant diversity increases with the strength of negative density dependence at the global scaleâ€• Science, 2018, 360, .	12.6	18
33	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
34	Species-abundance distributions under colored environmental noise. Journal of Mathematical Biology, 2017, 74, 289-311.	1.9	12
35	Singaporeâ€™s willingness to pay for mitigation of transboundary forest-fire haze from Indonesia. Environmental Research Letters, 2017, 12, 024017.	5.2	21
36	A robust nonparametric method for quantifying undetected extinctions. Conservation Biology, 2016, 30, 610-617.	4.7	10

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37	Reproducing static and dynamic biodiversity patterns in tropical forests: the critical role of environmental variance. Ecology, 2016, 97, 1207-1217.	3.2	40
38	Maintenance of biodiversity on islands. Proceedings of the Royal Society B: Biological Sciences, 2016, 283, 20160102.	2.6	41
39	The need for longâ€term remedies for Indonesia's forest fires. Conservation Biology, 2016, 30, 5-6.	4.7	54
40	The Termite Worker Phenotype Evolved as a Dispersal Strategy for Fertile Wingless Individuals before Eusociality. American Naturalist, 2016, 187, 372-387.	2.1	19
41	The potential for alternative stable states in nutrient-enriched invaded grasslands. Theoretical Ecology, 2015, 8, 399-417.	1.0	12
42	Analytical formulae for computing dominance from species-abundance distributions. Journal of Theoretical Biology, 2015, 386, 147-158.	1.7	9
43	A stochastic biodiversity model with overlapping niche structure. Theoretical Ecology, 2015, 8, 81-109.	1.0	7
44	Species ages in neutral biodiversity models. Theoretical Population Biology, 2014, 93, 85-94.	1.1	36
45	Temporal variability of forest communities: empirical estimates of population change in 4000 tree species. Ecology Letters, 2014, 17, 855-865.	6.4	115
46	A mean field model for competition: from neutral ecology to the Red Queen. Ecology Letters, 2014, 17, 961-969.	6.4	26
47	Detecting and projecting changes in forest biomass from plot data. , 2014, , 381-416.		24
48	Scaleâ€dependent relationships between tree species richness and ecosystem function in forests. Journal of Ecology, 2013, 101, 1214-1224.	4.0	265
49	UAV LiDAR for below-canopy forest surveys. Journal of Unmanned Vehicle Systems, 2013, 01, 61-68.	1.2	98
50	Spatial Risk Assessment of Alien Invasive Plants in China. Environmental Science & Technology, 2013, 47, 7624-7632.	10.0	42
51	Neutral Theory and Beyond. , 2013, , 510-518.		5
52	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
53	Choosing ecosystem service investments that are robust to uncertainty across multiple parameters. Ecological Applications, 2012, 22, 697-704.	3.8	4
54	Thirty Years of Forest Census at Barro Colorado and the Importance of Immigration in Maintaining Diversity. PLoS ONE, 2012, 7, e49826.	2.5	53

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55	Linking Dispersal and Immigration in Multidimensional Environments. Bulletin of Mathematical Biology, 2012, 74, 1754-1763.	1.9	4
56	Independent species in independent niches behave neutrally: a response. Oikos, 2011, 120, 964-965.	2.7	0
57	Time-dependent solutions of the spatially implicit neutral model of biodiversity. Theoretical Population Biology, 2011, 80, 71-79.	1.1	10
58	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
59	A theoretical model linking interspecific variation in density dependence to species abundances. Theoretical Ecology, 2011, 4, 241-253.	1.0	46
60	Trade-offs between ecosystem services: Water and carbon in a biodiversity hotspot. Ecological Economics, 2010, 69, 1973-1987.	5.7	132
61	Body size and extinction risk in Australian mammals: An informationâ€theoretic approach. Austral Ecology, 2010, 35, 616-623.	1.5	14
62	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
63	Linking dispersal, immigration and scale in the neutral theory of biodiversity. Ecology Letters, 2009, 12, 1385-1393.	6.4	73
64	Critical slowing down as an indicator of transitions in two-species models. Journal of Theoretical Biology, 2009, 257, 142-149.	1.7	57
65	Modelling human impacts on the Tasmanian wedge-tailed eagle (Aquila audax fleayi). Biological Conservation, 2009, 142, 2438-2448.	4.1	28
66	Dynamic Landscape Metapopulation Models and Sustainable Forest Management. , 2009, , 473-499.		3
67	INCORPORATING LANDSCAPE STOCHASTICITY INTO POPULATION VIABILITY ANALYSIS. , 2007, 17, 317-322.		12
68	Nullâ€Hypothesis Significance Testing and the Critical Weight Range for Australian Mammals. Conservation Biology, 2007, 21, 1641-1645.	4.7	16
69	Sampling species abundance distributions: Resolving the veil-line debate. Journal of Theoretical Biology, 2007, 247, 600-607.	1.7	21
70	Utility of Dynamic-Landscape Metapopulation Models for Sustainable Forest Management. Conservation Biology, 2005, 19, 1930-1943.	4.7	83
71	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
72	THE UNIFIED NEUTRAL THEORY OF BIODIVERSITY AND BIOGEOGRAPHY: COMMENT. Ecology, 2004, 85, 3172-3174.	3.2	15

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73	Examining the generality of the biphasic transition from niche-structured to immigration-structured communities. Theoretical Ecology, 0, , 1.	1.0	3