Carl Boettiger

List of Publications by Year
in descending order

49 papers	3,012 citations	361296 20 h-index	276775 41 g-index
64 all docs	64 docs citations	64 times ranked	4873 citing authors

#	ARTICLE	IF	CITATIONS
1	The forecast trap. Ecology Letters, 2022, 25, 1655-1664.	3.0	9
2	Ecological management of stochastic systems with long transients. Theoretical Ecology, 2021, 14, 663-671.	0.4	5
3	Promoting equity in the use of algorithms for high-seas conservation. One Earth, 2021, 4, 790-794.	3.6	6
4	Grazer behaviour can regulate large‐scale patterning of community states. Ecology Letters, 2021, 24, 1917-1929.	3.0	11
5	Algorithmic conservation in a changing climate. Current Opinion in Environmental Sustainability, 2021, 51, 30-35.	3.1	14
6	Teaching machines to anticipate catastrophes. Proceedings of the National Academy of Sciences of the United States of America, 2021, 118, .	3.3	4
7	Bifurcation or state tipping: assessing transition type in a model trophic cascade. Journal of Mathematical Biology, 2020, 80, 143-155.	0.8	5
8	A Shiny <scp>r</scp> app to solve the problem of when to stop managing or surveying species under imperfect detection. Methods in Ecology and Evolution, 2020, 11, 1707-1715.	2.2	4
9	taxadb: A high‐performance local taxonomic database interface. Methods in Ecology and Evolution, 2020, 11, 1153-1159.	2.2	8
10	Rebuilding global fisheries under uncertainty. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 15985-15990.	3.3	35
11	Enforcing public data archiving policies in academic publishing: A study of ecology journals. Big Data and Society, 2019, 6, 205395171983625.	2.6	32
12	Resolving the Measurement Uncertainty Paradox in Ecological Management. American Naturalist, 2019, 193, 645-660.	1.0	5
13	A Community of Practice Around Peer Review for Long-Term Research Software Sustainability. Computing in Science and Engineering, 2019, 21, 59-65.	1.2	8
14	Ecological Metadata as Linked Data. Journal of Open Source Software, 2019, 4, 1276.	2.0	6
15	Revealing biases in the sampling of ecological interaction networks. PeerJ, 2019, 7, e7566.	0.9	15
16	Making ecological models adequate. Ecology Letters, 2018, 21, 153-166.	3.0	100
17	Packaging Data Analytical Work Reproducibly Using R (and Friends). American Statistician, 2018, 72, 80-88.	0.9	59
18	Adaptive management of ecological systems under partial observability. Biological Conservation, 2018, 224, 9-15.	1.9	19

#	Article	IF	Citations
19	From noise to knowledge: how randomness generates novel phenomena and reveals information. Ecology Letters, 2018, 21, 1255-1267.	3.0	51
20	The principles of tomorrow's university. F1000Research, 2018, 7, 1926.	0.8	6
21	Managing Larger Data on a GitHub Repository. Journal of Open Source Software, 2018, 3, 971.	2.0	2
22	Skills and Knowledge for Data-Intensive Environmental Research. BioScience, 2017, 67, 546-557.	2.2	68
23	Generating CodeMeta Metadata for R Packages. Journal of Open Source Software, 2017, 2, 454.	2.0	4
24	An Introduction to Rocker: Docker Containers for R. R Journal, 2017, 9, 527.	0.7	30
25	Optimal management of a stochastically varying population when policy adjustment is costly. Ecological Applications, 2016, 26, 808-817.	1.8	43
26	After the games are over: life‐history trade‐offs drive dispersal attenuation following range expansion. Ecology and Evolution, 2016, 6, 6425-6434.	0.8	21
27	RNeXML: a package for reading and writing richly annotated phylogenetic, character and trait data in r. Methods in Ecology and Evolution, 2016, 7, 352-357.	2.2	2
28	An introduction to Docker for reproducible research. Operating Systems Review (ACM), 2015, 49, 71-79.	1.5	669
29	Avoiding tipping points in fisheries management through Gaussian process dynamic programming. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20141631.	1.2	29
30	Building Software, Building Community: Lessons from the rOpenSci Project. Journal of Open Research Software, 2015, 3, 8.	2.7	42
31	Early warning signals: the charted and uncharted territories. Theoretical Ecology, 2013, 6, 255-264.	0.4	154
32	From patterns to predictions. Nature, 2013, 493, 157-158.	13.7	96
33	No early warning signals for stochastic transitions: insights from large deviation theory. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131372.	1.2	32
34	Early warning signals and the prosecutor's fallacy. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 4734-4739.	1.2	99
35	rfishbase: exploring, manipulating and visualizing FishBase data from R. Journal of Fish Biology, 2012, 81, 2030-2039.	0.7	252
36	Quantifying limits to detection of early warning for critical transitions. Journal of the Royal Society Interface, 2012, 9, 2527-2539.	1.5	157

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37	Treebase: an R package for discovery, access and manipulation of online phylogenies. Methods in Ecology and Evolution, 2012, 3, 1060-1066.	2.2	15
38	Using TreeBASE from R. Nature Precedings, 2012, , .	0.1	0
39	The Evolutionary Seesaw: Origins of biodiversity?. Nature Precedings, 2012, , .	0.1	0
40	Integrating Open Lab Notebooks with Online Databases. Nature Precedings, 2012, , .	0.1	0
41	Limits to the detection of early warning signals of population collapse. Nature Precedings, 2012, , .	0.1	1
42	IS YOUR PHYLOGENY INFORMATIVE? MEASURING THE POWER OF COMPARATIVE METHODS. Evolution; International Journal of Organic Evolution, 2012, 66, 2240-2251.	1.1	216
43	MODELING STABILIZING SELECTION: EXPANDING THE ORNSTEIN-UHLENBECK MODEL OF ADAPTIVE EVOLUTION. Evolution; International Journal of Organic Evolution, 2012, 66, 2369-2383.	1.1	537
44	A general model of continuous character evolution. Nature Precedings, 2011, , .	0.1	0
45	Fluctuation domains in adaptive evolution. Theoretical Population Biology, 2010, 77, 6-13.	0.5	5
46	My experiment with open science: Why the benefits of sharing go beyond source code. Nature Precedings, 2010, , .	0.1	0
47	The Shape, Multiplicity, and Evolution of Superclusters in ΛCDM Cosmology. Astrophysical Journal, 2006, 652, 907-916.	1.6	24
48	Noise can create or erase long transient dynamics. Theoretical Ecology, 0, , 1.	0.4	2
49	Optimal management of a stochastically varying population when policy adjustment is costly. , 0, , 150806113437008.		1