

Carl Boettiger

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/3181800/publications.pdf>

Version: 2024-02-01

49
papers

3,012
citations

361413

20
h-index

276875

41
g-index

64
all docs

64
docs citations

64
times ranked

4873
citing authors

#	ARTICLE	IF	CITATIONS
1	An introduction to Docker for reproducible research. <i>Operating Systems Review (ACM)</i> , 2015, 49, 71-79.	1.9	669
2	MODELING STABILIZING SELECTION: EXPANDING THE ORNSTEIN-UHLENBECK MODEL OF ADAPTIVE EVOLUTION. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 2369-2383.	2.3	537
3	rfishbase: exploring, manipulating and visualizing FishBase data from R. <i>Journal of Fish Biology</i> , 2012, 81, 2030-2039.	1.6	252
4	IS YOUR PHYLOGENY INFORMATIVE? MEASURING THE POWER OF COMPARATIVE METHODS. <i>Evolution; International Journal of Organic Evolution</i> , 2012, 66, 2240-2251.	2.3	216
5	Quantifying limits to detection of early warning for critical transitions. <i>Journal of the Royal Society Interface</i> , 2012, 9, 2527-2539.	3.4	157
6	Early warning signals: the charted and uncharted territories. <i>Theoretical Ecology</i> , 2013, 6, 255-264.	1.0	154
7	Making ecological models adequate. <i>Ecology Letters</i> , 2018, 21, 153-166.	6.4	100
8	Early warning signals and the prosecutor's fallacy. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 4734-4739.	2.6	99
9	From patterns to predictions. <i>Nature</i> , 2013, 493, 157-158.	27.8	96
10	Skills and Knowledge for Data-Intensive Environmental Research. <i>BioScience</i> , 2017, 67, 546-557.	4.9	68
11	Packaging Data Analytical Work Reproducibly Using R (and Friends). <i>American Statistician</i> , 2018, 72, 80-88.	1.6	59
12	From noise to knowledge: how randomness generates novel phenomena and reveals information. <i>Ecology Letters</i> , 2018, 21, 1255-1267.	6.4	51
13	Optimal management of a stochastically varying population when policy adjustment is costly. <i>Ecological Applications</i> , 2016, 26, 808-817.	3.8	43
14	Building Software, Building Community: Lessons from the rOpenSci Project. <i>Journal of Open Research Software</i> , 2015, 3, 8.	5.9	42
15	Rebuilding global fisheries under uncertainty. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 15985-15990.	7.1	35
16	No early warning signals for stochastic transitions: insights from large deviation theory. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131372.	2.6	32
17	Enforcing public data archiving policies in academic publishing: A study of ecology journals. <i>Big Data and Society</i> , 2019, 6, 205395171983625.	4.5	32
18	An Introduction to Rocker: Docker Containers for R. <i>R Journal</i> , 2017, 9, 527.	1.8	30

#	ARTICLE	IF	CITATIONS
19	Avoiding tipping points in fisheries management through Gaussian process dynamic programming. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20141631.	2.6	29
20	The Shape, Multiplicity, and Evolution of Superclusters in Λ CDM Cosmology. <i>Astrophysical Journal</i> , 2006, 652, 907-916.	4.5	24
21	After the games are over: life's history tradeoffs drive dispersal attenuation following range expansion. <i>Ecology and Evolution</i> , 2016, 6, 6425-6434.	1.9	21
22	Adaptive management of ecological systems under partial observability. <i>Biological Conservation</i> , 2018, 224, 9-15.	4.1	19
23	treebase: an R package for discovery, access and manipulation of online phylogenies. <i>Methods in Ecology and Evolution</i> , 2012, 3, 1060-1066.	5.2	15
24	Revealing biases in the sampling of ecological interaction networks. <i>PeerJ</i> , 2019, 7, e7566.	2.0	15
25	Algorithmic conservation in a changing climate. <i>Current Opinion in Environmental Sustainability</i> , 2021, 51, 30-35.	6.3	14
26	Grazer behaviour can regulate large-scale patterning of community states. <i>Ecology Letters</i> , 2021, 24, 1917-1929.	6.4	11
27	The forecast trap. <i>Ecology Letters</i> , 2022, 25, 1655-1664.	6.4	9
28	A Community of Practice Around Peer Review for Long-Term Research Software Sustainability. <i>Computing in Science and Engineering</i> , 2019, 21, 59-65.	1.2	8
29	taxadb: A high-performance local taxonomic database interface. <i>Methods in Ecology and Evolution</i> , 2020, 11, 1153-1159.	5.2	8
30	Promoting equity in the use of algorithms for high-seas conservation. <i>One Earth</i> , 2021, 4, 790-794.	6.8	6
31	The principles of tomorrow's university. <i>F1000Research</i> , 2018, 7, 1926.	1.6	6
32	Ecological Metadata as Linked Data. <i>Journal of Open Source Software</i> , 2019, 4, 1276.	4.6	6
33	Fluctuation domains in adaptive evolution. <i>Theoretical Population Biology</i> , 2010, 77, 6-13.	1.1	5
34	Resolving the Measurement Uncertainty Paradox in Ecological Management. <i>American Naturalist</i> , 2019, 193, 645-660.	2.1	5
35	Bifurcation or state tipping: assessing transition type in a model trophic cascade. <i>Journal of Mathematical Biology</i> , 2020, 80, 143-155.	1.9	5
36	Ecological management of stochastic systems with long transients. <i>Theoretical Ecology</i> , 2021, 14, 663-671.	1.0	5

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37	A Shiny <code><scpr></code> app to solve the problem of when to stop managing or surveying species under imperfect detection. <i>Methods in Ecology and Evolution</i> , 2020, 11, 1707-1715.	5.2	4
38	Teaching machines to anticipate catastrophes. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	4
39	Generating CodeMeta Metadata for R Packages. <i>Journal of Open Source Software</i> , 2017, 2, 454.	4.6	4
40	RNeXML: a package for reading and writing richly annotated phylogenetic, character and trait data in r. <i>Methods in Ecology and Evolution</i> , 2016, 7, 352-357.	5.2	2
41	Noise can create or erase long transient dynamics. <i>Theoretical Ecology</i> , 0, , 1.	1.0	2
42	Managing Larger Data on a GitHub Repository. <i>Journal of Open Source Software</i> , 2018, 3, 971.	4.6	2
43	Limits to the detection of early warning signals of population collapse. <i>Nature Precedings</i> , 2012, , .	0.1	1
44	Optimal management of a stochastically varying population when policy adjustment is costly. , 0, , 150806113437008.		1
45	My experiment with open science: Why the benefits of sharing go beyond source code. <i>Nature Precedings</i> , 2010, , .	0.1	0
46	A general model of continuous character evolution. <i>Nature Precedings</i> , 2011, , .	0.1	0
47	Using TreeBASE from R. <i>Nature Precedings</i> , 2012, , .	0.1	0
48	The Evolutionary Seesaw: Origins of biodiversity?. <i>Nature Precedings</i> , 2012, , .	0.1	0
49	Integrating Open Lab Notebooks with Online Databases. <i>Nature Precedings</i> , 2012, , .	0.1	0