

Robert I Colautti

List of Publications by Year in descending order

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Version: 2024-02-01

42
papers

6,038
citations

236925

25
h-index

361022

35
g-index

76
all docs

76
docs citations

76
times ranked

7504
citing authors

#	ARTICLE	IF	CITATIONS
1	Is invasion success explained by the enemy release hypothesis?. <i>Ecology Letters</i> , 2004, 7, 721-733.	6.4	1,015
2	Propagule Pressure: A Null Model for Biological Invasions. <i>Biological Invasions</i> , 2006, 8, 1023-1037.	2.4	730
3	A neutral terminology to define "invasive" species. <i>Diversity and Distributions</i> , 2004, 10, 135-141.	4.1	691
4	Rapid Adaptation to Climate Facilitates Range Expansion of an Invasive Plant. <i>Science</i> , 2013, 342, 364-366.	12.6	416
5	Phenotypic plasticity and adaptive evolution contribute to advancing flowering phenology in response to climate change. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 3843-3852.	2.6	393
6	Contemporary evolution during invasion: evidence for differentiation, natural selection, and local adaptation. <i>Molecular Ecology</i> , 2015, 24, 1999-2017.	3.9	369
7	Plant reproductive systems and evolution during biological invasion. <i>Molecular Ecology</i> , 2008, 17, 373-383.	3.9	282
8	Genetic trade-offs and conditional neutrality contribute to local adaptation. <i>Molecular Ecology</i> , 2013, 22, 699-708.	3.9	226
9	Characterised and Projected Costs of Nonindigenous Species in Canada. <i>Biological Invasions</i> , 2006, 8, 45-59.	2.4	220
10	Common garden comparisons of native and introduced plant populations: latitudinal clines can obscure evolutionary inferences. <i>Evolutionary Applications</i> , 2009, 2, 187-199.	3.1	214
11	Bridging Troubled Waters: Biological Invasions, Transoceanic Shipping, and the Laurentian Great Lakes. <i>BioScience</i> , 2004, 54, 919.	4.9	157
12	Evolutionary constraints on adaptive evolution during range expansion in an invasive plant. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2010, 277, 1799-1806.	2.6	149
13	Ballast-mediated animal introductions in the Laurentian Great Lakes: retrospective and prospective analyses. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2003, 60, 740-756.	1.4	147
14	Understanding and monitoring the consequences of human impacts on intraspecific variation. <i>Evolutionary Applications</i> , 2017, 10, 121-139.	3.1	145
15	Invasions and extinctions through the looking glass of evolutionary ecology. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160031.	4.0	96
16	Invasion genetics of the Eurasian spiny waterflea: evidence for bottlenecks and gene flow using microsatellites. <i>Molecular Ecology</i> , 2005, 14, 1869-1879.	3.9	79
17	Lake Superior: an invasion coldspot?. <i>Hydrobiologia</i> , 2003, 499, 191-210.	2.0	75
18	Quantifying the invasiveness of species. <i>NeoBiota</i> , 0, 21, 7-27.	1.0	63

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19	Subjectivity and flexibility in invasion terminology: too much of a good thing?. <i>Biological Invasions</i> , 2009, 11, 1225-1229.	2.4	59
20	POPULATION DIVERGENCE ALONG LINES OF GENETIC VARIANCE AND COVARIANCE IN THE INVASIVE PLANT LYTHRUM SALICARIA IN EASTERN NORTH AMERICA. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 2514-2529.	2.3	48
21	Variation of Self-Incompatibility within Invasive Populations of Purple Loosestrife (<i>Lythrum</i>) <i>Tj ETQq1 1 0.784314 rgBT /Overlock</i>	1.3	45
22	Invasions Toolkit. <i>Advances in Ecological Research</i> , 2017, , 85-182.	2.7	41
23	Natural Selection and Genetic Constraints on Flowering Phenology in an Invasive Plant. <i>International Journal of Plant Sciences</i> , 2010, 171, 960-971.	1.3	39
24	Are characteristics of introduced salmonid fishes biased by propagule pressure?. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2005, 62, 950-959.	1.4	34
25	Phenological shifts of native and invasive species under climate change: insights from the <i>Boechera</i> – <i>Lythrum</i> model. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2017, 372, 20160032.	4.0	34
26	The ecology of biological invasions: past, present and future. , 2005, , 19-43.		33
27	Origin, fate, and architecture of ecologically relevant genetic variation. <i>Current Opinion in Plant Biology</i> , 2012, 15, 199-204.	7.1	31
28	Realized vs apparent reduction in enemies of the European starling. <i>Biological Invasions</i> , 2005, 7, 723-732.	2.4	23
29	Effects of species interactions on the potential for evolution at species' range limits. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, 20210020.	4.0	20
30	The Global Garlic Mustard Field Survey (GGMFS): challenges and opportunities of a unique, large-scale collaboration for invasion biology. <i>NeoBiota</i> , 0, 21, 29-47.	1.0	19
31	Functional shifts of soil microbial communities associated with <i>Alliaria petiolata</i> invasion. <i>Pedobiologia</i> , 2021, 84, 150700.	1.2	15
32	Phylogenomics reveals viral sources, transmission, and potential superinfection in early-stage COVID-19 patients in Ontario, Canada. <i>Scientific Reports</i> , 2021, 11, 3697.	3.3	12
33	Evidence for continent-wide convergent evolution and stasis throughout 150 y of a biological invasion. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2022, 119, e2107584119.	7.1	12
34	Convergence Research for Emerging Zoonoses. <i>Trends in Parasitology</i> , 2021, 37, 465-467.	3.3	8
35	Temporal Dynamics and Evolution of SARS-CoV-2 Demonstrate the Necessity of Ongoing Viral Genome Sequencing in Ontario, Canada. <i>MSphere</i> , 2021, 6, .	2.9	7
36	<i>baRcodeR</i> : An open-source R package for sample labelling. <i>Methods in Ecology and Evolution</i> , 2020, 11, 980-985.	5.2	6

#	ARTICLE	IF	CITATIONS
37	In search of an operational lexicon for biological invasions. , 2005, , 1-15.		5
38	Genome report: a draft genome of <i>Alliaria petiolata</i> (garlic mustard) as a model system for invasion genetics. <i>G3: Genes, Genomes, Genetics</i> , 2021, 11, .	1.8	5
39	Integrating morphological characters, molecular markers, and distribution patterns to assess the identity of <i>Blepharis</i> species from Jordan. , 2018, 59, 18.		2
40	Open minded and open access: introducing NeoBiota, a new peer-reviewed journal of biological invasions. <i>NeoBiota</i> , 0, 9, 1-12.	1.0	1
41	Encyclopedia of Biological Invasions. <i>Encyclopedias of the Natural World</i> , Number 3. Edited by Daniel Simberloff and Marcel Rejmánek. Berkeley (California): University of California Press. \$95.00. xxiv + 765 p.; ill.; index. ISBN: 978-0-520-26421-2. 2011.. <i>Quarterly Review of Biology</i> , 2011, 86, 339-339.	0.1	0
42	Foundational text gets a second edition. <i>NeoBiota</i> , 0, 71, 49-50.	1.0	0