

Nicola J Nadeau

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

4,200
citations

279798

23
h-index

361022

35
g-index

45
all docs

45
docs citations

45
times ranked

4751
citing authors

#	ARTICLE	IF	CITATIONS
1	Butterfly genome reveals promiscuous exchange of mimicry adaptations among species. <i>Nature</i> , 2012, 487, 94-98.	27.8	1,086
2	Genome-wide evidence for speciation with gene flow in <i>Heliconius</i> butterflies. <i>Genome Research</i> , 2013, 23, 1817-1828.	5.5	609
3	Genomic islands of divergence in hybridizing <i>Heliconius</i> butterflies identified by large-scale targeted sequencing. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2012, 367, 343-353.	4.0	294
4	Conserved Genetic Basis of a Quantitative Plumage Trait Involved in Mate Choice. <i>Science</i> , 2004, 303, 1870-1873.	12.6	246
5	Diversification of complex butterfly wing patterns by repeated regulatory evolution of a <i>Wnt</i> ligand. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 12632-12637.	7.1	244
6	The gene cortex controls mimicry and crypsis in butterflies and moths. <i>Nature</i> , 2016, 534, 106-110.	27.8	212
7	Genome-wide patterns of divergence and gene flow across a butterfly radiation. <i>Molecular Ecology</i> , 2013, 22, 814-826.	3.9	160
8	Evolutionary Novelty in a Butterfly Wing Pattern through Enhancer Shuffling. <i>PLoS Biology</i> , 2016, 14, e1002353.	5.6	136
9	A golden age for evolutionary genetics? Genomic studies of adaptation in natural populations. <i>Trends in Genetics</i> , 2010, 26, 484-492.	6.7	127
10	Population genomics of parallel hybrid zones in the mimetic butterflies, <i>H. melpomene</i> and <i>H. erato</i> . <i>Genome Research</i> , 2014, 24, 1316-1333.	5.5	114
11	Genomic Hotspots for Adaptation: The Population Genetics of Allergic Mimicry in the <i>Heliconius melpomene</i> Clade. <i>PLoS Genetics</i> , 2010, 6, e1000794.	3.5	97
12	Evolution of an avian pigmentation gene correlates with a measure of sexual selection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 1807-1813.	2.6	94
13	Characterization of Japanese Quail <i>yellow</i> as a Genomic Deletion Upstream of the Avian Homolog of the Mammalian <i>ASIP</i> (<i>agouti</i>) Gene. <i>Genetics</i> , 2008, 178, 777-786.	2.9	90
14	Characterization of a hotspot for mimicry: assembly of a butterfly wing transcriptome to genomic sequence at the <i>HmYb/Sb</i> locus. <i>Molecular Ecology</i> , 2010, 19, 240-254.	3.9	70
15	Divergent warning patterns contribute to assortative mating between incipient <i>Heliconius</i> species. <i>Ecology and Evolution</i> , 2014, 4, 911-917.	1.9	67
16	Association of a Glu92Lys substitution in MC1R with extended brown in Japanese quail (<i>Coturnix</i>). <i>PLoS One</i> , 2017, 12, e0170666.	1.7	66
17	Selective sweeps on novel and introgressed variation shape mimicry loci in a butterfly adaptive radiation. <i>PLoS Biology</i> , 2020, 18, e3000597.	5.6	60
18	Association of a single nucleotide substitution in <i>TYRP1</i> with <i>roux</i> in Japanese quail (<i>Coturnix japonica</i>). <i>Animal Genetics</i> , 2007, 38, 609-613.	1.7	48

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19	Genes controlling mimetic colour pattern variation in butterflies. <i>Current Opinion in Insect Science</i> , 2016, 17, 24-31.	4.4	47
20	Haplotype tagging reveals parallel formation of hybrid races in two butterfly species. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2021, 118, .	7.1	46
21	Characterisation and expression of microRNAs in developing wings of the neotropical butterfly <i>Heliconius melpomene</i> . <i>BMC Genomics</i> , 2011, 12, 62.	2.8	44
22	Microclimate buffering and thermal tolerance across elevations in a tropical butterfly. <i>Journal of Experimental Biology</i> , 2020, 223, .	1.7	41
23	Wing scale ultrastructure underlying convergent and divergent iridescent colours in mimetic <i>Heliconius</i> butterflies. <i>Journal of the Royal Society Interface</i> , 2018, 15, 20170948.	3.4	35
24	Altitude and life history shape the evolution of <i>Heliconius</i> wings. <i>Evolution; International Journal of Organic Evolution</i> , 2019, 73, 2436-2450.	2.3	27
25	The evolution of structural colour in butterflies. <i>Current Opinion in Genetics and Development</i> , 2021, 69, 28-34.	3.3	27
26	Phenotypic variation in <i>Heliconius erato</i> crosses shows that iridescent structural colour is sex-linked and controlled by multiple genes. <i>Interface Focus</i> , 2019, 9, 20180047.	3.0	23
27	Limited genetic parallels underlie convergent evolution of quantitative pattern variation in mimetic butterflies. <i>Journal of Evolutionary Biology</i> , 2020, 33, 1516-1529.	1.7	16
28	The genetic basis of structural colour variation in mimetic <i>Heliconius</i> butterflies. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2022, 377, .	4.0	10
29	Müllerian mimicry of a quantitative trait despite contrasting levels of genomic divergence and selection. <i>Molecular Ecology</i> , 2020, 29, 2016-2030.	3.9	8
30	Genomics of altitude-associated wing shape in two tropical butterflies. <i>Molecular Ecology</i> , 2021, 30, 6387-6402.	3.9	8
31	The physiological cost of colour change: evidence, implications and mitigations. <i>Journal of Experimental Biology</i> , 2022, 225, .	1.7	7
32	Population Genomics of Speciation and Admixture. <i>Population Genomics</i> , 2018, , 613-653.	0.5	6
33	How do predators generalize warning signals in simple and complex prey communities? Insights from a videogame. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200014.	2.6	6
34	Butterfly genomics sheds light on the process of hybrid speciation. <i>Molecular Ecology</i> , 2014, 23, 4441-4443.	3.9	4
35	Optics and photonics in nature: general discussion. <i>Faraday Discussions</i> , 2020, 223, 107-124.	3.2	1
36	The role of composition: natural materials vs. synthetic composites: general discussion. <i>Faraday Discussions</i> , 2020, 223, 295-306.	3.2	0