Marcus R Kronforst

List of Publications by Year
in descending order

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60 papers	3,892 citations	201674 27 h-index	144013 57 g-index
64 all docs	64 docs citations	64 times ranked	3785 citing authors

#	Article	IF	Citations
1	optix Drives the Repeated Convergent Evolution of Butterfly Wing Pattern Mimicry. Science, 2011, 333, 1137-1141.	12.6	431
2	Genomic architecture and introgression shape a butterfly radiation. Science, 2019, 366, 594-599.	12.6	365
3	Linkage of butterfly mate preference and wing color preference cue at the genomic location of wingless. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 6575-6580.	7.1	312
4	The genetics of monarch butterfly migration and warning colouration. Nature, 2014, 514, 317-321.	27.8	264
5	Diversification of complex butterfly wing patterns by repeated regulatory evolution of a Wnt ligand. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 12632-12637.	7.1	244
6	Outbred genome sequencing and CRISPR/Cas9 gene editing in butterflies. Nature Communications, 2015, 6, 8212.	12.8	146
7	Macroevolutionary shifts of WntA function potentiate butterfly wing-pattern diversity. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10701-10706.	7.1	137
8	Polymorphic Butterfly Reveals the Missing Link in Ecological Speciation. Science, 2009, 326, 847-850.	12.6	135
9	Hybridization Reveals the Evolving Genomic Architecture of Speciation. Cell Reports, 2013, 5, 666-677.	6.4	118
10	Genome-wide introgression among distantly related Heliconius butterfly species. Genome Biology, 2016, 17, 25.	8.8	115
11	The Functional Basis of Wing Patterning inHeliconiusButterflies: The Molecules Behind Mimicry. Genetics, 2015, 200, 1-19.	2.9	106
12	Wing patterning gene redefines the mimetic history of Heliconius butterflies. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 19666-19671.	7.1	104
13	Genomic Hotspots for Adaptation: The Population Genetics of MÃ¼llerian Mimicry in the Heliconius melpomene Clade. PLoS Genetics, 2010, 6, e1000794.	3.5	97
14	Sex Chromosome Mosaicism and Hybrid Speciation among Tiger Swallowtail Butterflies. PLoS Genetics, 2011, 7, e1002274.	3.5	88
15	Ancient homology underlies adaptive mimetic diversity across butterflies. Nature Communications, 2014, 5, 4817.	12.8	87
16	Aristaless Controls Butterfly Wing Color Variation Used in Mimicry and Mate Choice. Current Biology, 2018, 28, 3469-3474.e4.	3.9	79
17	Do Heliconius butterfly species exchange mimicry alleles?. Biology Letters, 2013, 9, 20130503.	2.3	76
18	Serial founder effects and genetic differentiation during worldwide range expansion of monarch butterflies. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20142230.	2.6	73

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19	DNA methylation is widespread across social Hymenoptera. Current Biology, 2008, 18, R287-R288.	3.9	72
20	The molecular genetic basis of herbivory between butterflies and their host plants. Nature Ecology and Evolution, 2018, 2, 1418-1427.	7.8	56
21	A shared genetic basis of mimicry across swallowtail butterflies points to ancestral co-option of doublesex. Nature Communications, 2020, 11, 6.	12.8	55
22	Parallel Genetic Architecture of Parallel Adaptive Radiations in Mimetic Heliconius Butterflies. Genetics, 2006, 174, 535-539.	2.9	49
23	Dissecting comimetic radiations inHeliconiusreveals divergent histories of convergent butterflies. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 7365-7370.	7.1	47
24	Genomic takeover by transposable elements in the Strawberry poison frog. Molecular Biology and Evolution, 2014, 35, 2913-2927.	8.9	45
25	Contemporary loss of migration in monarch butterflies. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 14671-14676.	7.1	41
26	Monarch butterflies use an environmentally sensitive, internal timer to control overwintering dynamics. Molecular Ecology, 2019, 28, 3642-3655.	3.9	37
27	Tracing the origin and evolution of supergene mimicry in butterflies. Nature Communications, 2017, 8, 1269.	12.8	36
28	Genomic evidence for gene flow between monarchs with divergent migratory phenotypes and flight performance. Molecular Ecology, 2020, 29, 2567-2582.	3.9	35
29	Frequency dependence shapes the adaptive landscape of imperfect Batesian mimicry. Proceedings of the Royal Society B: Biological Sciences, 2018, 285, 20172786.	2.6	30
30	Butterfly Mimicry Polymorphisms Highlight Phylogenetic Limits of Gene Reuse in the Evolution of Diverse Adaptations. Molecular Biology and Evolution, 2019, 36, 2842-2853.	8.9	30
31	Genome-Wide Characterization of Adaptation and Speciation in Tiger Swallowtail Butterflies Using De Novo Transcriptome Assemblies. Genome Biology and Evolution, 2013, 5, 1233-1245.	2.5	29
32	Transitions from Single- to Multi-Locus Processes during Speciation with Gene Flow. Genes, 2018, 9, 274.	2.4	25
33	Lack of genetic differentiation among widely spaced subpopulations of a butterfly with home range behaviour. Heredity, 2001, 86, 243-250.	2.6	22
34	The population genetics of mimetic diversity in Heliconius butterflies. Proceedings of the Royal Society B: Biological Sciences, 2008, 275, 493-500.	2.6	22
35	Phylogeography of Heliconius cydno and its closest relatives: disentangling their origin and diversification. Molecular Ecology, 2014, 23, 4137-4152.	3.9	21
36	No genomic mosaicism in a putative hybrid butterfly species. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1255-1264.	2.6	17

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37	Divergence and gene flow among Darwin's finches: A genomeâ€wide view of adaptive radiation driven by interspecies allele sharing. BioEssays, 2015, 37, 968-974.	2.5	16
38	Genetic differentiation between body size biotypes of the parasitoid fly Pseudacteon obtusus (Diptera:) Tj ETQq0 0.0 rgBT /Overlock 10	2.7	15
39	Museum genomics reveals the Xerces blue butterfly (Glaucopsyche xerces) was a distinct species driven to extinction. Biology Letters, 2021, 17, 20210123.	2.3	15
40	Divergence, gene flow, and the origin of leapfrog geographic distributions: The history of colour pattern variation in Phyllobates poisonâ€dart frogs. Molecular Ecology, 2020, 29, 3702-3719.	3.9	14
41	The roles of hybridization and habitat fragmentation in the evolution of Brazilâ€™s enigmatic longwing butterflies, Heliconius nattereri and H. hermathena. BMC Biology, 2020, 18, 84.	3.8	14
42	Primers for the amplification of nuclear introns in Heliconius butterflies. Molecular Ecology Notes, 2005, 5, 158-162.	1.7	13
43	Genetic diversity in the social amoeba Dictyostelium discoideum: Population differentiation and cryptic species. Molecular Phylogenetics and Evolution, 2011, 60, 455-462.	2.7	13
44	Diversification of the silverspot butterflies (Nymphalidae) in the Neotropics inferred from multi-locus DNA sequences. Molecular Phylogenetics and Evolution, 2015, 82, 156-165.	2.7	13
45	Migration behaviour of commercial monarchs reared outdoors and wild-derived monarchs reared indoors. Proceedings of the Royal Society B: Biological Sciences, 2020, 287, 20201326.	2.6	13
46	Are eastern and western monarch butterflies distinct populations? A review of evidence for ecological, phenotypic, and genetic differentiation and implications for conservation. Conservation Science and Practice, 2021, 3, e432.	2.0	13
47	Species boundaries inPhilaethriabutterflies: an integrative taxonomic analysis based on genitalia ultrastructure, wing geometric morphometrics, DNA sequences, and amplified fragment length polymorphisms. Zoological Journal of the Linnean Society, 2014, 170, 690-709.	2.3	11
48	Subtle variation in size and shape of the whole forewing and the red band among coâ€mimics revealed by geometric morphometric analysis in Heliconius butterflies. Ecology and Evolution, 2018, 8, 3280-3295.	1.9	11
49	Female mate choice is a reproductive isolating barrier in Heliconius butterflies. Ethology, 2018, 124, 862-869.	1.1	11
50	Effectiveness of DNA Barcoding in Speyeria Butterflies at Small Geographic Scales. Diversity, 2018, 10, 130.	1.7	10
51	A neutral view of the evolving genomic architecture of speciation. Ecology and Evolution, 2017, 7, 6358-6366.	1.9	8
52	Experimental field tests of Batesian mimicry in the swallowtail butterfly Papilio polytes. Ecology and Evolution, 2018, 8, 7657-7666.	1.9	8
53	Behaviour before beauty: Signal weighting during mate selection in the butterfly Papilio polytes. Ethology, 2019, 125, 565-574.	1.1	8
54	Comparative Transcriptomics Provides Insights into Reticulate and Adaptive Evolution of a Butterfly Radiation. Genome Biology and Evolution, 2019, 11, 2963-2975.	2.5	7

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55	The evolution and genetics of sexually dimorphic â€˜dualâ€™ mimicry in the butterflyElymnias hypermnestra. Proceedings of the Royal Society B: Biological Sciences, 2021, 288, 20202192.	2.6	6
56	Disentangling Population History and Character Evolution among Hybridizing Lineages. Molecular Biology and Evolution, 2020, 37, 1295-1305.	8.9	5
57	Mimetic Butterflies Introgress to Impress. PLoS Genetics, 2012, 8, e1002802.	3.5	3
58	Exploring the molecular basis of monarch butterfly color pattern variation. Pigment Cell and Melanoma Research, 2015, 28, 127-130.	3.3	3
59	Development of a microsatellite library for the passion flower butterfly Dione moneta HÃ¼bner (Lepidoptera: Nymphalidae: Heliconiinae). Conservation Genetics Resources, 2012, 4, 719-724.	0.8	2
60	Species boundaries in <italic>Philaethria</italic> butterflies: an integrative taxonomic analysis based on genitalia ultrastructure, wing geometric morphometrics, DNA sequences, and amplified fragment length polymorphisms. Zoological Journal of the Linnean Society, 2014, , .	2.3	0