

# Marcus R Kronforst

## List of Publications by Year in descending order

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Version: 2024-02-01

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  | Are eastern and western monarch butterflies distinct populations? A review of evidence for ecological, phenotypic, and genetic differentiation and implications for conservation. <i>Conservation Science and Practice</i> , 2021, 3, e432. | 2.0  | 13        |
| 2  | Museum genomics reveals the Xerces blue butterfly ( <i>Glaucopsyche xerces</i> ) was a distinct species driven to extinction. <i>Biology Letters</i> , 2021, 17, 20210123.  | 2.3  | 15        |
| 3  | The evolution and genetics of sexually dimorphic "dual" mimicry in the butterfly <i>Elymnias hypermnestra</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20202192.                                       | 2.6  | 6         |
| 4  | Disentangling Population History and Character Evolution among Hybridizing Lineages. <i>Molecular Biology and Evolution</i> , 2020, 37, 1295-1305.  | 8.9  | 5         |
| 5  | A shared genetic basis of mimicry across swallowtail butterflies points to ancestral co-option of doublesex. <i>Nature Communications</i> , 2020, 11, 6.  | 12.8 | 55        |
| 6  | Migration behaviour of commercial monarchs reared outdoors and wild-derived monarchs reared indoors. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20201326.  | 2.6  | 13        |
| 7  | Divergence, gene flow, and the origin of leapfrog geographic distributions: The history of colour pattern variation in <i>Phyllobates</i> poison dart frogs. <i>Molecular Ecology</i> , 2020, 29, 3702-3719.                                | 3.9  | 14        |
| 8  | Genomic evidence for gene flow between monarchs with divergent migratory phenotypes and flight performance. <i>Molecular Ecology</i> , 2020, 29, 2567-2582.   | 3.9  | 35        |
| 9  | The roles of hybridization and habitat fragmentation in the evolution of Brazil's enigmatic longwing butterflies, <i>Heliconius nattereri</i> and <i>H. hermathena</i> . <i>BMC Biology</i> , 2020, 18, 84.                                 | 3.8  | 14        |
| 10 | Monarch butterflies use an environmentally sensitive, internal timer to control overwintering dynamics. <i>Molecular Ecology</i> , 2019, 28, 3642-3655.   | 3.9  | 37        |
| 11 | Behaviour before beauty: Signal weighting during mate selection in the butterfly <i>Papilio polytes</i> . <i>Ethology</i> , 2019, 125, 565-574.   | 1.1  | 8         |
| 12 | Genomic architecture and introgression shape a butterfly radiation. <i>Science</i> , 2019, 366, 594-599.  | 12.6 | 365       |
| 13 | Butterfly Mimicry Polymorphisms Highlight Phylogenetic Limits of Gene Reuse in the Evolution of Diverse Adaptations. <i>Molecular Biology and Evolution</i> , 2019, 36, 2842-2853.  | 8.9  | 30        |
| 14 | Comparative Transcriptomics Provides Insights into Reticulate and Adaptive Evolution of a Butterfly Radiation. <i>Genome Biology and Evolution</i> , 2019, 11, 2963-2975.   | 2.5  | 7         |
| 15 | Contemporary loss of migration in monarch butterflies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 14671-14676.   | 7.1  | 41        |
| 16 | Frequency dependence shapes the adaptive landscape of imperfect Batesian mimicry. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20172786.   | 2.6  | 30        |
| 17 | Subtle variation in size and shape of the whole forewing and the red band among "mimics revealed by geometric morphometric analysis in <i>Heliconius</i> butterflies. <i>Ecology and Evolution</i> , 2018, 8, 3280-3295.                    | 1.9  | 11        |
| 18 | Effectiveness of DNA Barcoding in <i>Speyeria</i> Butterflies at Small Geographic Scales. <i>Diversity</i> , 2018, 10, 130.   | 1.7  | 10        |

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|----|---|------|-----------|
| 19 | Female mate choice is a reproductive isolating barrier in <i>Heliconius</i> butterflies. <i>Ethology</i> , 2018, 124, 862-869.  | 1.1  | 11        |
| 20 | Aristaless Controls Butterfly Wing Color Variation Used in Mimicry and Mate Choice. <i>Current Biology</i> , 2018, 28, 3469-3474.e4.  | 3.9  | 79        |
| 21 | Experimental field tests of Batesian mimicry in the swallowtail butterfly <i>Papilio polytes</i> . <i>Ecology and Evolution</i> , 2018, 8, 7657-7666.   | 1.9  | 8         |
| 22 | The molecular genetic basis of herbivory between butterflies and their host plants. <i>Nature Ecology and Evolution</i> , 2018, 2, 1418-1427.   | 7.8  | 56        |
| 23 | Transitions from Single- to Multi-Locus Processes during Speciation with Gene Flow. <i>Genes</i> , 2018, 9, 274.  | 2.4  | 25        |
| 24 | Macroevolutionary shifts of <i>WntA</i> function potentiate butterfly wing-pattern diversity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10701-10706.  | 7.1  | 137       |
| 25 | A neutral view of the evolving genomic architecture of speciation. <i>Ecology and Evolution</i> , 2017, 7, 6358-6366.   | 1.9  | 8         |
| 26 | Tracing the origin and evolution of supergene mimicry in butterflies. <i>Nature Communications</i> , 2017, 8, 1269.   | 12.8 | 36        |
| 27 | Genome-wide introgression among distantly related <i>Heliconius</i> butterfly species. <i>Genome Biology</i> , 2016, 17, 25.  | 8.8  | 115       |
| 28 | Divergence and gene flow among Darwin's finches: A genome-wide view of adaptive radiation driven by interspecies allele sharing. <i>BioEssays</i> , 2015, 37, 968-974.  | 2.5  | 16        |
| 29 | The Functional Basis of Wing Patterning in <i>Heliconius</i> Butterflies: The Molecules Behind Mimicry. <i>Genetics</i> , 2015, 200, 1-19.  | 2.9  | 106       |
| 30 | Exploring the molecular basis of monarch butterfly color pattern variation. <i>Pigment Cell and Melanoma Research</i> , 2015, 28, 127-130.  | 3.3  | 3         |
| 31 | Outbred genome sequencing and CRISPR/Cas9 gene editing in butterflies. <i>Nature Communications</i> , 2015, 6, 8212.  | 12.8 | 146       |
| 32 | Diversification of the silverspot butterflies (Nymphalidae) in the Neotropics inferred from multi-locus DNA sequences. <i>Molecular Phylogenetics and Evolution</i> , 2015, 82, 156-165.  | 2.7  | 13        |
| 33 | Genomic takeover by transposable elements in the Strawberry poison frog. <i>Molecular Biology and Evolution</i> , 2014, 35, 2913-2927.  | 8.9  | 45        |
| 34 | Ancient homology underlies adaptive mimetic diversity across butterflies. <i>Nature Communications</i> , 2014, 5, 4817.   | 12.8 | 87        |
| 35 | Serial founder effects and genetic differentiation during worldwide range expansion of monarch butterflies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20142230.   | 2.6  | 73        |
| 36 | Species boundaries in <i>Philaethria</i> butterflies: an integrative taxonomic analysis based on genitalia ultrastructure, wing geometric morphometrics, DNA sequences, and amplified fragment length polymorphisms. <i>Zoological Journal of the Linnean Society</i> , 2014, 170, 690-709. | 2.3  | 11        |

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|----|---|------|-----------|
| 37 | Phylogeography of <i>Heliconius cydno</i> and its closest relatives: disentangling their origin and diversification. <i>Molecular Ecology</i> , 2014, 23, 4137-4152.  | 3.9  | 21        |
| 38 | The genetics of monarch butterfly migration and warning colouration. <i>Nature</i> , 2014, 514, 317-321.  | 27.8 | 264       |
| 39 | Species boundaries in <i>Philaethria</i> butterflies: an integrative taxonomic analysis based on genitalia ultrastructure, wing geometric morphometrics, DNA sequences, and amplified fragment length polymorphisms. <i>Zoological Journal of the Linnean Society</i> , 2014, , . | 2.3  | 0         |
| 40 | Hybridization Reveals the Evolving Genomic Architecture of Speciation. <i>Cell Reports</i> , 2013, 5, 666-677.  | 6.4  | 118       |
| 41 | Do <i>Heliconius</i> butterfly species exchange mimicry alleles?. <i>Biology Letters</i> , 2013, 9, 20130503.   | 2.3  | 76        |
| 42 | Genome-Wide Characterization of Adaptation and Speciation in Tiger Swallowtail Butterflies Using De Novo Transcriptome Assemblies. <i>Genome Biology and Evolution</i> , 2013, 5, 1233-1245.  | 2.5  | 29        |
| 43 | Mimetic Butterflies Introgess to Impress. <i>PLoS Genetics</i> , 2012, 8, e1002802.   | 3.5  | 3         |
| 44 | 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       |
| 45 | Development of a microsatellite library for the passion flower butterfly <i>Dione moneta</i> (Lepidoptera: Nymphalidae: Heliconiinae). <i>Conservation Genetics Resources</i> , 2012, 4, 719-724.   | 0.8  | 2         |
| 46 | <i>optix</i> Drives the Repeated Convergent Evolution of Butterfly Wing Pattern Mimicry. <i>Science</i> , 2011, 333, 1137-1141.   | 12.6 | 431       |
| 47 | Wing patterning gene redefines the mimetic history of <i>Heliconius</i> butterflies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2011, 108, 19666-19671.   | 7.1  | 104       |
| 48 | Genetic diversity in the social amoeba <i>Dictyostelium discoideum</i> : Population differentiation and cryptic species. <i>Molecular Phylogenetics and Evolution</i> , 2011, 60, 455-462.  | 2.7  | 13        |
| 49 | Sex Chromosome Mosaicism and Hybrid Speciation among Tiger Swallowtail Butterflies. <i>PLoS Genetics</i> , 2011, 7, e1002274.   | 3.5  | 88        |
| 50 | Dissecting comimetic radiations in <i>Heliconius</i> reveals divergent histories of convergent butterflies. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 7365-7370.  | 7.1  | 47        |
| 51 | Genomic Hotspots for Adaptation: The Population Genetics of Müllerian Mimicry in the <i>Heliconius melpomene</i> Clade. <i>PLoS Genetics</i> , 2010, 6, e1000794.   | 3.5  | 97        |
| 52 | Polymorphic Butterfly Reveals the Missing Link in Ecological Speciation. <i>Science</i> , 2009, 326, 847-850.   | 12.6 | 135       |
| 53 | DNA methylation is widespread across social Hymenoptera. <i>Current Biology</i> , 2008, 18, R287-R288.  | 3.9  | 72        |
| 54 | The population genetics of mimetic diversity in <i>Heliconius</i> butterflies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2008, 275, 493-500.   | 2.6  | 22        |

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| 55 | No genomic mosaicism in a putative hybrid butterfly species. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 1255-1264.  | 2.6 | 17        |
| 56 | Genetic differentiation between body size biotypes of the parasitoid fly <i>Pseudacteon obtusus</i> (Diptera: Tj ETQq0 0.0 rgBT /Overlock 10   | 2.7 | 15        |
| 57 | 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       |
| 58 | Parallel Genetic Architecture of Parallel Adaptive Radiations in Mimetic <i>Heliconius</i> Butterflies. Genetics, 2006, 174, 535-539.  | 2.9 | 49        |
| 59 | Primers for the amplification of nuclear introns in <i>Heliconius</i> butterflies. Molecular Ecology Notes, 2005, 5, 158-162.  | 1.7 | 13        |
| 60 | Lack of genetic differentiation among widely spaced subpopulations of a butterfly with home range behaviour. Heredity, 2001, 86, 243-250.  | 2.6 | 22        |