

# Patrick Mardulyn

## List of Publications by Year in descending order

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Version: 2024-02-01

53  
papers

3,573  
citations

304743

22  
h-index

175258

52  
g-index

53  
all docs

53  
docs citations

53  
times ranked

4826  
citing authors

#	ARTICLE	IF	CITATIONS
1	NOVOPlasty: <i>de novo</i> assembly of organelle genomes from whole genome data. <i>Nucleic Acids Research</i> , 2017, 45, gkw955.	14.5	2,079
2	Evaluating Intraspecific "Network" Construction Methods Using Simulated Sequence Data: Do Existing Algorithms Outperform the Global Maximum Parsimony Approach?. <i>Systematic Biology</i> , 2005, 54, 363-372.	5.6	132
3	Phylogenetic Signal in the COI, 16S, and 28S Genes for Inferring Relationships among Genera of Microgastrinae (Hymenoptera; Braconidae): Evidence of a High Diversification Rate in This Group of Parasitoids. <i>Molecular Phylogenetics and Evolution</i> , 1999, 12, 282-294.	2.7	131
4	scpspads 1.0: a toolbox to perform spatial analyses on scpDNA sequence data sets. <i>Molecular Ecology Resources</i> , 2014, 14, 647-651.	4.8	91
5	The Major Opsin in Bees (Insecta: Hymenoptera): A Promising Nuclear Gene for Higher Level Phylogenetics. <i>Molecular Phylogenetics and Evolution</i> , 1999, 12, 168-176.	2.7	89
6	Multiple Molecular Data Sets Suggest Independent Origins of Highly Eusocial Behavior in Bees (Hymenoptera: Apinae). <i>Systematic Biology</i> , 2001, 50, 194-214.	5.6	85
7	Pre-adaptations and the evolution of pollination by sexual deception: Cope's rule of specialization revisited. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 4786-4794.	2.6	72
8	Phylogenetic Analyses of DNA and Allozyme Data Suggest that Gonioctena Leaf Beetles (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Systematic Biology, 1997, 46, 722-747.	5.6	68
9	Approximate Bayesian Computation Reveals the Crucial Role of Oceanic Islands for the Assembly of Continental Biodiversity. <i>Systematic Biology</i> , 2015, 64, 579-589.	5.6	63
10	Phylogenetic relationships among microgastrine braconid wasp genera based on data from the 16S, COI and 28S genes and morphology. <i>Systematic Entomology</i> , 2002, 27, 337-359.	3.9	54
11	Late Pleistocene molecular dating of past population fragmentation and demographic changes in African rain forest tree species supports the forest refuge hypothesis. <i>Journal of Biogeography</i> , 2015, 42, 1443-1454.	3.0	54
12	TESTING PHYLOGEOGRAPHIC HYPOTHESES IN A EURO-SIBERIAN COLD-ADAPTED LEAF BEETLE WITH COALESCENT SIMULATIONS. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 2717-2729.	2.3	42
13	Phylogeography of the Vosges mountains populations of Gonioctena pallida (Coleoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 1751-1763.	3.9	36
14	Unraveling heteroplasmy patterns with NOVOPlasty. <i>NAR Genomics and Bioinformatics</i> , 2020, 2, lqz011.	3.2	36
15	Molecular phylogeny, biogeography, and host plant shifts in the bee genus Melitta (Hymenoptera: Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	2.7	34
16	Comparative multilocus phylogeography of two Palaeartic spruce bark beetles: influence of contrasting ecological strategies on genetic variation. <i>Molecular Ecology</i> , 2015, 24, 1292-1310.	3.9	34
17	Trees and/or networks to display intraspecific DNA sequence variation?. <i>Molecular Ecology</i> , 2012, 21, 3385-3390.	3.9	30
18	Ecological niche modelling and coalescent simulations to explore the recent geographical range history of five widespread bumblebee species in Europe. <i>Journal of Biogeography</i> , 2017, 44, 39-50.	3.0	30

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19	Climate change and the spread of vector-borne diseases: using approximate Bayesian computation to compare invasion scenarios for the bluetongue virus vector <i>Culisicoides imicola</i> in Italy. <i>Molecular Ecology</i> , 2013, 22, 2456-2466.	3.9	28
20	Evolution of reproductive traits in <i>Cataglyphis</i> desert ants: mating frequency, queen number, and thelytoky. <i>Behavioral Ecology and Sociobiology</i> , 2016, 70, 1367-1379.	1.4	27
21	Mitochondrial mismatch alters performance and reproductive success in naturally introgressed populations of a montane leaf beetle*. <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 1724-1740.	2.3	27
22	Structure and Evolution of the Mitochondrial Control Region of Leaf Beetles (Coleoptera: Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 Td Evolution, 2003, 56, 38-45.	1.8	23
23	Conflicting mitochondrial and nuclear phylogeographic signals and evolution of host-plant shifts in the boreo-montane leaf beetle <i>Chrysomela lapponica</i> . <i>Molecular Phylogenetics and Evolution</i> , 2011, 61, 686-696.	2.7	23
24	High migration rates shape the postglacial history of amphiatlantic bryophytes. <i>Molecular Ecology</i> , 2016, 25, 5568-5584.	3.9	22
25	The major opsin gene is useful for inferring higher level phylogenetic relationships of the corbiculate bees. <i>Molecular Phylogenetics and Evolution</i> , 2003, 28, 610-613.	2.7	21
26	Impact of past climatic changes and resource availability on the population demography of three food-specialist bees. <i>Molecular Ecology</i> , 2015, 24, 1074-1090.	3.9	21
27	Comparative phylogeography of five bumblebees: impact of range fragmentation, range size and diet specialization. <i>Biological Journal of the Linnean Society</i> , 2015, 116, 926-939.	1.6	20
28	INFERRING THE PAST AND PRESENT CONNECTIVITY ACROSS THE RANGE OF A NORTH AMERICAN LEAF BEETLE: COMBINING ECOLOGICAL NICHE MODELING AND A GEOGRAPHICALLY EXPLICIT MODEL OF COALESCENCE. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, n/a-n/a.	2.3	19
29	Inferring contemporary levels of gene flow and demographic history in a local population of the leaf beetle <i>Gonioctena olivacea</i> from mitochondrial DNA sequence variation. <i>Molecular Ecology</i> , 2005, 14, 1641-1653.	3.9	17
30	Mitochondrial DNA hyperdiversity and its potential causes in the marine periwinkle <i>Melarhaphe neritoides</i> (Mollusca: Gastropoda). <i>PeerJ</i> , 2016, 4, e2549.	2.0	15
31	Comparing Phylogeographic Hypotheses by Simulating DNA Sequences under a Spatially Explicit Model of Coalescence. <i>Molecular Biology and Evolution</i> , 2014, 31, 3359-3372.	8.9	14
32	At the Gate of Mutualism: Identification of Genomic Traits Predisposing to Insect-Bacterial Symbiosis in Pathogenic Strains of the Aphid Symbiont <i>Serratia symbiotica</i> . <i>Frontiers in Cellular and Infection Microbiology</i> , 2021, 11, 660007.	3.9	14
33	Glacial survival of trophically linked boreal species in northern Europe. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20162799.	2.6	13
34	Multi-locus DNA sequence variation in a complex of four leaf beetle species with parapatric distributions: Mitochondrial and nuclear introgressions reveal recent hybridization. <i>Molecular Phylogenetics and Evolution</i> , 2014, 78, 14-24.	2.7	12
35	Evolutionary history of inquiline social parasitism in <i>Plagiolepis</i> ants. <i>Molecular Phylogenetics and Evolution</i> , 2021, 155, 107016.	2.7	12
36	Molecular chaperoning helps safeguarding mitochondrial integrity and motor functions in the Sahara silver ant <i>Cataglyphis bombycina</i> . <i>Scientific Reports</i> , 2018, 8, 9220.	3.3	11

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37	What do tropical cryptogams reveal? Strong genetic structure in Amazonian bryophytes. <i>New Phytologist</i> , 2020, 228, 640-650.	7.3	10
38	Controlling Population Evolution in the Laboratory to Evaluate Methods of Historical Inference. <i>PLoS ONE</i> , 2008, 3, e2960.	2.5	9
39	Widespread co-occurrence of two distantly related mitochondrial genomes in individuals of the leaf beetle <i>Gonioctena intermedia</i> . <i>Biology Letters</i> , 2017, 13, 20170570.	2.3	8
40	Genetic differentiation among European samples of the arctic-alpine leaf beetle, <i>Chrysomela lapponica</i> . <i>Entomologia Experimentalis Et Applicata</i> , 2008, 129, 181-188.	1.4	6
41	Theoretical expectations of the Isolation-Migration model of population evolution for inferring demographic parameters. <i>Methods in Ecology and Evolution</i> , 2015, 6, 610-620.	5.2	6
42	Limited gene exchange between two sister species of leaf beetles within a hybrid zone in the Alps. <i>Journal of Evolutionary Biology</i> , 2019, 32, 1406-1417.	1.7	6
43	Molecular phylogeny and taxonomic synopsis of the angraecoid genus <i>Ypsilopus</i> (Orchidaceae, Tj ETQq1 1 0.784314 rgBT /Overlock 10 0,7	0.7	6
44	Divergent geographic patterns of genetic diversity among wild bees: Conservation implications. <i>Diversity and Distributions</i> , 2018, 24, 1860-1868.	4.1	4
45	Maintenance of genetic and morphological identity in two sibling <i>Syrrhopodon</i> species (Calymperaceae, Bryopsida) despite extensive introgression. <i>Journal of Systematics and Evolution</i> , 2019, 57, 395-403.	3.1	4
46	PROGRAM NOTE: TREES SIFTER 1.0: an approximate method to estimate the time to the most recent common ancestor of a sample of DNA sequences. <i>Molecular Ecology Notes</i> , 2007, 7, 418-421.	1.7	3
47	Improving intraspecific allele networks inferred by maximum parsimony. <i>Methods in Ecology and Evolution</i> , 2016, 7, 90-95.	5.2	3
48	Whole-genome sequencing reveals asymmetric introgression between two sister species of cold-resistant leaf beetles. <i>Molecular Ecology</i> , 2021, 30, 4077-4089.	3.9	3
49	Genome Assembly of the Cold-Tolerant Leaf Beetle <i>Gonioctena quinquepunctata</i> , an Important Resource for Studying Its Evolution and Reproductive Barriers between Species. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	2
50	Severe Acute Respiratory Syndrome Coronavirus 2 (SARS-CoV-2) Genome Sequencing from Post-Mortem Formalin-Fixed, Paraffin-Embedded Lung Tissues. <i>Journal of Molecular Diagnostics</i> , 2021, 23, 1065-1077.	2.8	2
51	Morphological and mitochondrial DNA analyses indicate the presence of a hybrid zone between two species of leaf beetle (Coleoptera; Chrysomelidae) in Southern Spain. <i>Biological Journal of the Linnean Society</i> , 2008, 94, 105-114.	1.6	1
52	Diversification of the orchid genus <i>Tridactyle</i> : Origin of endemism on the oceanic islands of São Tomé & Príncipe in the Gulf of Guinea. <i>Journal of Biogeography</i> , 2022, 49, 523-536.	3.0	1
53	Estimating Migration of <i>Gonioctena quinquepunctata</i> (Coleoptera: Chrysomelidae) Inside a Mountain Range in a Spatially Explicit Context. <i>Insect Systematics and Diversity</i> , 2021, 5, .	1.7	0