

# Joachim Mergeay

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/5508240/publications.pdf>

Version: 2024-02-01

76  
papers

3,199  
citations

172207

29  
h-index

182168

51  
g-index

80  
all docs

80  
docs citations

80  
times ranked

4541  
citing authors

#	ARTICLE	IF	CITATIONS
1	Drivers of population genetic differentiation in the wild: isolation by dispersal limitation, isolation by adaptation and isolation by colonization. <i>Molecular Ecology</i> , 2013, 22, 5983-5999.	2.0	398
2	Genetic diversity targets and indicators in the CBD post-2020 Global Biodiversity Framework must be improved. <i>Biological Conservation</i> , 2020, 248, 108654.	1.9	285
3	Invasion of an asexual American water flea clone throughout Africa and rapid displacement of a native sibling species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 2839-2844.	1.2	127
4	Landscape genomics and a common garden trial reveal adaptive differentiation to temperature across Europe in the tree species <i>Alnus glutinosa</i> . <i>Molecular Ecology</i> , 2014, 23, 4709-4721.	2.0	124
5	Rapid genetic adaptation precedes the spread of an exotic plant species. <i>Molecular Ecology</i> , 2014, 23, 2157-2164.	2.0	111
6	Lack of Phylogeographic Structure in the Freshwater Cyanobacterium <i>Microcystis aeruginosa</i> Suggests Global Dispersal. <i>PLoS ONE</i> , 2011, 6, e19561.	1.1	106
7	Global Commitments to Conserving and Monitoring Genetic Diversity Are Now Necessary and Feasible. <i>BioScience</i> , 2021, 71, 964-976.	2.2	96
8	EXTINCTION, RECOLONIZATION, AND DISPERSAL THROUGH TIME IN A PLANKTONIC CRUSTACEAN. <i>Ecology</i> , 2007, 88, 3032-3043.	1.5	84
9	The role of selection in driving landscape genomic structure of the waterflea <i>Daphnia magna</i> . <i>Molecular Ecology</i> , 2013, 22, 583-601.	2.0	74
10	Global genetic diversity status and trends: towards a suite of Essential Biodiversity Variables (<sc>EBVs</sc>) for genetic composition. <i>Biological Reviews</i> , 2022, 97, 1511-1538.	4.7	73
11	A cryptic invasion within an invasion and widespread introgression in the European water frog complex: consequences of uncontrolled commercial trade and weak international legislation. <i>Molecular Ecology</i> , 2008, 17, 5023-5035.	2.0	68
12	Cyclical Parthenogenesis in <i>Daphnia</i> : Sexual Versus Asexual Reproduction. , 2009, , 295-316.		66
13	Genetic diversity is considered important but interpreted narrowly in country reports to the Convention on Biological Diversity: Current actions and indicators are insufficient. <i>Biological Conservation</i> , 2021, 261, 109233.	1.9	65
14	THE CONTRIBUTION OF MATING SYSTEM VARIATION TO REPRODUCTIVE ISOLATION IN TWO CLOSELY RELATED <i>CENTAURIUM</i> SPECIES (GENTIANACEAE) WITH A GENERALIZED FLOWER MORPHOLOGY. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 1281-1293.	1.1	59
15	How to Maximally Support Local and Regional Biodiversity in Applied Conservation? Insights from Pond Management. <i>PLoS ONE</i> , 2013, 8, e72538.	1.1	57
16	The genetic legacy of polyploid Bolivian <i>Daphnia</i> : the tropical Andes as a source for the North and South American <i>D. pulicaria</i> complex. <i>Molecular Ecology</i> , 2008, 17, 1789-1800.	2.0	55
17	Local and regional founder effects in lake zooplankton persist after thousands of years despite high dispersal potential. <i>Molecular Ecology</i> , 2014, 23, 1014-1027.	2.0	55
18	Opportunities and challenges of macrogenetic studies. <i>Nature Reviews Genetics</i> , 2021, 22, 791-807.	7.7	55

#	ARTICLE	IF	CITATIONS
19	Rapid range expansion increases genetic differentiation while causing limited reduction in genetic diversity in a damselfly. <i>Heredity</i> , 2013, 111, 422-429.	1.2	54
20	Spatial heterogeneity in genetic relatedness among house sparrows along an urban-rural gradient as revealed by individual-based analysis. <i>Molecular Ecology</i> , 2011, 20, 4643-4653.	2.0	47
21	Cryptic invasion and dispersal of an American <i>Daphnia</i> in East Africa. <i>Limnology and Oceanography</i> , 2005, 50, 1278-1283.	1.6	46
22	Priority effects and species sorting in a long paleoecological record of repeated community assembly through time. <i>Ecology</i> , 2011, 92, 2267-2275.	1.5	46
23	Neutral and adaptive genomic signatures of rapid poleward range expansion. <i>Molecular Ecology</i> , 2015, 24, 6163-6176.	2.0	44
24	<i>Daphnia</i> community analysis in shallow Kenyan lakes and ponds using dormant eggs in surface sediments. <i>Freshwater Biology</i> , 2006, 51, 399-411.	1.2	43
25	Two hundred years of a diverse <i>Daphnia</i> community in Lake Naivasha (Kenya): effects of natural and human-induced environmental changes. <i>Freshwater Biology</i> , 2004, 49, 998-1013.	1.2	41
26	Effects of adding an arbuscular mycorrhizal fungi inoculum and of distance to donor sites on plant species recolonization following topsoil removal. <i>Applied Vegetation Science</i> , 2016, 19, 7-19.	0.9	38
27	2016, 4161, 1.	0.2	38
28	Strong differences in the clonal variation of two <i>Daphnia</i> species from mountain lakes affected by overwintering strategy. <i>BMC Evolutionary Biology</i> , 2011, 11, 231.	3.2	35
29	Ecological and evolutionary drivers of range size in <i>Ctenagrion</i> damselflies. <i>Journal of Evolutionary Biology</i> , 2014, 27, 2386-2395.	0.8	34
30	Genetic detection of multiple exotic water frog species in Belgium illustrates the need for monitoring and immediate action. <i>Biological Invasions</i> , 2010, 12, 1459-1463.	1.2	33
31	Effective population size remains a suitable, pragmatic indicator of genetic diversity for all species, including forest trees. <i>Biological Conservation</i> , 2021, 253, 108906.	1.9	32
32	Genetic diversity and population structure in contemporary house sparrow populations along an urbanization gradient. <i>Heredity</i> , 2012, 109, 163-172.	1.2	30
33	<i>Agrobacterium rhizogenes</i> -mediated transformation of <i>Sesbania rostrata</i> . <i>Plant Science</i> , 2003, 165, 1281-1288.	1.7	29
34	<i>Daphnia</i> in the Tatra Mountain lakes: multiple colonisation and hidden species diversity revealed by molecular markers. <i>Fundamental and Applied Limnology</i> , 2007, 169, 279-291.	0.4	29
35	Gene flow and effective population sizes of the butterfly <i>Maculinea alcon</i> in a highly fragmented, anthropogenic landscape. <i>Biological Conservation</i> , 2017, 209, 89-97.	1.9	29
36	Asexuality and polyploidy in <i>Daphnia</i> from the tropical Andes. <i>Limnology and Oceanography</i> , 2007, 52, 2079-2088.	1.6	28

#	ARTICLE	IF	CITATIONS
37	Temperature-related natural selection in a wind-pollinated tree across regional and continental scales. <i>Molecular Ecology</i> , 2011, 20, 2724-2738.	2.0	28
38	High levels of effective long-distance dispersal may blur ecotypic divergence in a rare terrestrial orchid. <i>BMC Ecology</i> , 2014, 14, 20.	3.0	28
39	An evaluation of seed zone delineation using phenotypic and population genomic data on black alder <i>Alnus glutinosa</i> . <i>Journal of Applied Ecology</i> , 2014, 51, 1218-1227.	1.9	27
40	Macrogenetic studies must not ignore limitations of genetic markers and scale. <i>Ecology Letters</i> , 2021, 24, 1282-1284.	3.0	27
41	Daphnia species diversity in Kenya, and a key to the identification of their ephippia. <i>Hydrobiologia</i> , 2005, 542, 261-274.	1.0	25
42	Long Distance Dispersal of Zooplankton Endemic to Isolated Mountaintops - an Example of an Ecological Process Operating on an Evolutionary Time Scale. <i>PLoS ONE</i> , 2011, 6, e26730.	1.1	25
43	SNP discovery using Paired-End RAD tag sequencing on pooled genomic DNA of <i>Sisymbrium austriacum</i> (Brassicaceae). <i>Molecular Ecology Resources</i> , 2013, 13, 269-275.	2.2	24
44	Transmission of genetic variation from the adult generation to naturally established seedling cohorts in small forest stands of pedunculate oak ( <i>Quercus robur</i> L.). <i>Forest Ecology and Management</i> , 2014, 312, 19-27.	1.4	23
45	Evolution, plasticity and evolving plasticity of phenology in the tree species <i>Alnus glutinosa</i> . <i>Journal of Evolutionary Biology</i> , 2016, 29, 253-264.	0.8	23
46	Developmental Stability Covaries with Genome-Wide and Single-Locus Heterozygosity in House Sparrows. <i>PLoS ONE</i> , 2011, 6, e21569.	1.1	21
47	Evolution and Biodiversity: the evolutionary basis of biodiversity and its potential for adaptation to global change. <i>Evolutionary Applications</i> , 2012, 5, 103-106.	1.5	21
48	Genotyping validates photo-identification by the head scale pattern in a large population of the European adder ( <i>Vipera berus</i> ). <i>Ecology and Evolution</i> , 2018, 8, 2985-2992.	0.8	18
49	Authors' Reply to Letter to the Editor: Continued improvement to genetic diversity indicator for CBD. <i>Conservation Genetics</i> , 2021, 22, 533-536.	0.8	18
50	Cladoceran community composition in tropical semi-arid highland reservoirs in Tigray (Northern Tj ETQq0 0 0 rgBT /Qverlock 10 Tf 50 2	0.7	17
51	Environment not dispersal limitation drives clonal composition of Arctic <i>Daphnia</i> in a recently deglaciated area. <i>Molecular Ecology</i> , 2016, 25, 5830-5842.	2.0	17
52	Unravelling the effects of contemporary and historical range expansion on the distribution of genetic diversity in the damselfly <i>Coenagrion scitulum</i> . <i>Journal of Evolutionary Biology</i> , 2014, 27, 748-759.	0.8	16
53	Transatlantic invasion routes and adaptive potential in North American populations of the invasive glossy buckthorn, <i>Frangula alnus</i> . <i>Annals of Botany</i> , 2016, 118, 1089-1099.	1.4	16
54	Testing the performance of a fragment of the COI gene to identify western Palaearctic stag beetle species (Coleoptera, Lucanidae). <i>ZooKeys</i> , 2013, 365, 105-126.	0.5	15

#	ARTICLE	IF	CITATIONS
55	Suppression of invasive topmouth gudgeon <i>Pseudorasbora parva</i> by native pike <i>Esox lucius</i> in ponds. <i>Aquatic Conservation: Marine and Freshwater Ecosystems</i> , 2015, 25, 41-48.	0.9	15
56	Tree density and population size affect pollen flow and mating patterns in small fragmented forest stands of pedunculate oak ( <i>Quercus robur</i> L.). <i>Forest Ecology and Management</i> , 2014, 328, 254-261.	1.4	14
57	Effect of the landscape matrix on gene flow in a coastal amphibian metapopulation. <i>Conservation Genetics</i> , 2017, 18, 1359-1375.	0.8	14
58	The effect of drought stress on heterozygosity and fitness correlations in pedunculate oak ( <i>Quercus</i> ) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5	1.4	12
59	Roe deer population structure in a highly fragmented landscape. <i>European Journal of Wildlife Research</i> , 2014, 60, 909-917.	0.7	12
60	Interspecific hybridisation and interaction with cultivars affect the genetic variation of <i>Ulmus minor</i> and <i>Ulmus glabra</i> in Flanders. <i>Tree Genetics and Genomes</i> , 2014, 10, 813-826.	0.6	11
61	Dispersal constraints for the conservation of the grassland herb <i>Thymus pulegioides</i> L. in a highly fragmented agricultural landscape. <i>Conservation Genetics</i> , 2015, 16, 765-776.	0.8	11
62	Founder effects determine the genetic structure of the water flea <i>Daphnia</i> in Ethiopian reservoirs. <i>Limnology and Oceanography</i> , 2018, 63, 915-926.	1.6	11
63	Reeves' muntjac populations continue to grow and spread across Great Britain and are invading continental Europe. <i>European Journal of Wildlife Research</i> , 2021, 67, 1.	0.7	10
64	Isolation, characterization and genotyping of single nucleotide polymorphisms in the non-model tree species <i>Frangula alnus</i> (Rhamnaceae). <i>Conservation Genetics Resources</i> , 2014, 6, 267-269.	0.4	9
65	The Impact of Conservation Management on the Community Composition of Multiple Organism Groups in Eutrophic Interconnected Man-Made Ponds. <i>PLoS ONE</i> , 2015, 10, e0139371.	1.1	9
66	Colonization history and clonal richness of asexual <i>Daphnia</i> in periglacial habitats of contrasting age in West Greenland. <i>Journal of Animal Ecology</i> , 2016, 85, 1108-1117.	1.3	9
67	Genetic support for the current discrete conservation unit of the Central European wolf population. <i>Wildlife Biology</i> , 2021, 2021, .	0.6	8
68	Differential effects of dominant and subordinate plant species on the establishment success of target species in a grassland restoration experiment. <i>Applied Vegetation Science</i> , 2017, 20, 363-375.	0.9	6
69	Retention of gene diversity during the spread of a non-native plant species. <i>Molecular Ecology</i> , 2017, 26, 3141-3150.	2.0	5
70	Microsatellite marker development and putative SNP detection for a northward expanding damselfly species using next generation sequencing. <i>Conservation Genetics Resources</i> , 2012, 4, 1079-1084.	0.4	4
71	The role of genetic diversity and arbuscular mycorrhizal fungal diversity in population recovery of the semi-natural grassland plant species <i>Succisa pratensis</i> . <i>Bmc Ecology and Evolution</i> , 2021, 21, 200.	0.7	4
72	Genetic and demographic vulnerability of adder populations: Results of a genetic study in mainland Britain. <i>PLoS ONE</i> , 2020, 15, e0231809.	1.1	3

#	ARTICLE	IF	CITATIONS
73	Development and characterization of eight polymorphic microsatellite markers for <i>Daphnia atkinsoni</i> (Crustacea: Ctenodaphnia). <i>Molecular Ecology Resources</i> , 2009, 9, 326-329.	2.2	1
74	Genetic signature of the colonisation dynamics along a coastal expansion front in the damselfly <i>Coenagrion scitulum</i> . <i>Ecological Entomology</i> , 2015, 40, 353-361.	1.1	1
75	Metadata description of the ORCA database (ORganic and Conventional Agriculture's impact on) Tj ETQq1 1 0.784314 rgBT /Overloc	0.0	1
76	Database on local environmental conditions and biodiversity in fish ponds in Midden-Limburg, Belgium. <i>Freshwater Metadata Journal</i> , 0, , 1-8.	0.0	1