

Florian M Steiner

List of Publications by Year in descending order

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96
papers

3,060
citations

236912

25
h-index

197805

49
g-index

102
all docs

102
docs citations

102
times ranked

4095
citing authors

#	ARTICLE	IF	CITATIONS
1	Integrative Taxonomy: A Multisource Approach to Exploring Biodiversity. Annual Review of Entomology, 2010, 55, 421-438.	11.8	762
2	A multidisciplinary approach reveals cryptic diversity in Western Palearctic Tetramorium ants (Hymenoptera: Formicidae). Molecular Phylogenetics and Evolution, 2006, 40, 259-273.	2.7	134
3	Without morphology, cryptic species stay in taxonomic crypsis following discovery. Trends in Ecology and Evolution, 2007, 22, 391-392.	8.7	102
4	Combined modelling of distribution and niche in invasion biology: a case study of two invasive <i>Tetramorium</i> ant species. Diversity and Distributions, 2008, 14, 538-545.	4.1	96
5	The Core Gut Microbiome of Black Soldier Fly (<i>Hermetia illucens</i>) Larvae Raised on Low-Bioburden Diets. Frontiers in Microbiology, 2020, 11, 993.	3.5	91
6	The Evolution of Invasiveness in Garden Ants. PLoS ONE, 2008, 3, e3838.	2.5	81
7	Evidence for a recent horizontal transmission and spatial spread of <i>Wolbachia</i> from endemic <i>Rhagoletis cerasi</i> (Diptera: Tephritidae) to invasive <i>Rhagoletis cingulata</i> in Europe. Molecular Ecology, 2013, 22, 4101-4111.	3.9	70
8	The hitchhiker's guide to Europe: the infection dynamics of an ongoing <i>Wolbachia</i> invasion and mitochondrial selective sweep in <i>Rhagoletis cerasi</i> . Molecular Ecology, 2016, 25, 1595-1609.	3.9	68
9	Selective sweeps on novel and introgressed variation shape mimicry loci in a butterfly adaptive radiation. PLoS Biology, 2020, 18, e3000597.	5.6	60
10	Stable N-isotope signatures of central European ants – assessing positions in a trophic gradient. Insectes Sociaux, 2007, 54, 393-402.	1.2	55
11	Influence of three artificial light sources on oviposition and half-life of the Black Soldier Fly, <i>Hermetia illucens</i> (Diptera: Stratiomyidae): Improving small-scale indoor rearing. PLoS ONE, 2018, 13, e0197896.	2.5	51
12	Assessing ant assemblages: pitfall trapping versus nest counting (Hymenoptera, Formicidae). Insectes Sociaux, 2006, 53, 274-281.	1.2	45
13	Title is missing!. Journal of Insect Conservation, 2003, 7, 1-6.	1.4	44
14	No sympatric speciation here: multiple data sources show that the ant <i>Myrmica microrubra</i> is not a separate species but an alternate reproductive morph of <i>Myrmica rubra</i> . Journal of Evolutionary Biology, 2006, 19, 777-787.	1.7	43
15	A butterfly's chemical key to various ant forts: intersection-odour or aggregate-odour multi-host mimicry?. Die Naturwissenschaften, 2004, 91, 209-214.	1.6	40
16	Patterns of host use by brood parasitic <i>Maculinea</i> butterflies across Europe. Philosophical Transactions of the Royal Society B: Biological Sciences, 2019, 374, 20180202.	4.0	40
17	Taxonomist's Nightmare – Evolutionist's Delight : An Integrative Approach Resolves Species Limits in Jumping Bristletails Despite Widespread Hybridization and Parthenogenesis. Systematic Biology, 2016, 65, 947-974.	5.6	39
18	<i>Tetramorium tsushimae</i> , a New Invasive Ant in North America. Biological Invasions, 2006, 8, 117-123.	2.4	38

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19	Abandoning Aggression but Maintaining Self-Nonself Discrimination as a First Stage in Ant Supercolony Formation. <i>Current Biology</i> , 2007, 17, 1903-1907.	3.9	38
20	A multisource solution for a complex problem in biodiversity research: Description of the cryptic ant species <i>Tetramorium alpestre</i> sp.n. (Hymenoptera: Formicidae). <i>Zoologischer Anzeiger</i> , 2010, 249, 223-254.	0.9	36
21	Impact of Processed Food (Canteen and Oil Wastes) on the Development of Black Soldier Fly (Hermetia) Tj ETQq1 1 0.784314 rgBT /O	3.5	36
22	Glacial refugia, recolonization patterns and diversification forces in Alpine endemic <i>Megabunus</i> harvestmen. <i>Molecular Ecology</i> , 2016, 25, 2904-2919.	3.9	34
23	Long-term isolation of European steppe outposts boosts the biome's conservation value. <i>Nature Communications</i> , 2020, 11, 1968.	12.8	34
24	Iterative species distribution modelling and ground validation in endemism research: an Alpine jumping bristletail example. <i>Biodiversity and Conservation</i> , 2012, 21, 2845-2863.	2.6	32
25	Rapid and cost-effective screening of newly identified microsatellite loci by high-resolution melting analysis. <i>Molecular Genetics and Genomics</i> , 2011, 286, 225-35.	2.1	31
26	Genomic Resources Notes Accepted 1 August 2014-30 September 2014. <i>Molecular Ecology Resources</i> , 2015, 15, 228-229.	4.8	31
27	A DNA and morphology based phylogenetic framework of the ant genus <i>Lasius</i> with hypotheses for the evolution of social parasitism and fungiculture. <i>BMC Evolutionary Biology</i> , 2008, 8, 237.	3.2	30
28	A near-infrared spectroscopy routine for unambiguous identification of cryptic ant species. <i>PeerJ</i> , 2015, 3, e991.	2.0	29
29	Are we ready to detect nematode diversity by next generation sequencing?. <i>Ecology and Evolution</i> , 2017, 7, 4147-4151.	1.9	27
30	Positive diversifying selection is a pervasive adaptive force throughout the <i>Drosophila</i> radiation. <i>Molecular Phylogenetics and Evolution</i> , 2017, 112, 230-243.	2.7	26
31	Major range loss predicted from lack of heat adaptability in an alpine <i>Drosophila</i> species. <i>Science of the Total Environment</i> , 2019, 695, 133753.	8.0	26
32	One plus one is greater than two: mixing litter types accelerates decomposition of low-quality alpine dwarf shrub litter. <i>Plant and Soil</i> , 2019, 438, 405-419.	3.7	26
33	Phylogeny and bionomics of <i>Lasius austriacus</i> (Hymenoptera, Formicidae). <i>Insectes Sociaux</i> , 2004, 51, 24-29.	1.2	25
34	Turning one into five: Integrative taxonomy uncovers complex evolution of cryptic species in the harvester ant <i>Messor structor</i> . <i>Molecular Phylogenetics and Evolution</i> , 2018, 127, 387-404.	2.7	25
35	Cuticular hydrocarbons of <i>Tetramorium</i> ants from central Europe: analysis of GC-MS data with self-organizing maps (SOM) and implications for systematics. <i>Journal of Chemical Ecology</i> , 2002, 28, 2569-2584.	1.8	24
36	Ants and people: a test of two mechanisms potentially responsible for the large-scale human population biodiversity correlation for Formicidae in Europe. <i>Journal of Biogeography</i> , 2008, 35, 2195-2206.	3.0	24

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37	Queen size dimorphism in the ant <i>Tetramorium moravicum</i> (Hymenoptera, Formicidae): Morphometric, molecular genetic and experimental evidence. <i>Insectes Sociaux</i> , 2005, 52, 186-193.	1.2	23
38	Non-destructive species identification of <i>Drosophila obscura</i> and <i>D. subobscura</i> (Diptera) using near-infrared spectroscopy. <i>Fly</i> , 2012, 6, 284-289.	1.7	23
39	Take up the challenge! Opportunities for evolution research from resolving conflict in integrative taxonomy. <i>Molecular Ecology</i> , 2014, 23, 4192-4194.	3.9	22
40	Chemosensory adaptations of the mountain fly <i>Drosophila nigrosarsa</i> (Insecta: Diptera) through genomics and structural biology's lenses. <i>Scientific Reports</i> , 2017, 7, 43770.	3.3	21
41	Identifying the minimum number of microsatellite loci needed to assess population genetic structure: A case study in fly culturing. <i>Fly</i> , 2018, 12, 13-22.	1.7	21
42	Near-Infrared Imaging Spectroscopy as a Tool to Discriminate Two Cryptic <i>Tetramorium</i> Ant Species. <i>Journal of Chemical Ecology</i> , 2011, 37, 549-552.	1.8	20
43	Mixed colonies and hybridisation of <i>Messor</i> harvester ant species (Hymenoptera: Formicidae). <i>Organisms Diversity and Evolution</i> , 2011, 11, 107-134.	1.6	20
44	Pleistocene survival on central Alpine nunataks: genetic evidence from the jumping bristletail <i>Megachilis pallida</i> . <i>Molecular Ecology</i> , 2012, 21, 4983-4995.	3.9	20
45	How diverse is <i>Megachilis morio</i> ? Integrative taxonomy detects cryptic species in a small-scale sample of a widespread harvestman. <i>Molecular Ecology</i> , 2013, 22, 3850-3863.	3.9	20
46	Chloroplast DNA-based studies in molecular ecology may be compromised by nuclear-encoded plastid sequence. <i>Molecular Ecology</i> , 2010, 19, 3853-3856.	3.9	19
47	Permanent Genetic Resources added to Molecular Ecology Resources Database 1 April 2013–31 May 2013. <i>Molecular Ecology Resources</i> , 2013, 13, 966-968.	4.8	19
48	Taking the discovery approach in integrative taxonomy: decrypting a complex of narrow-endemic Alpine harvestmen (Opiliones: Phalangidae: <i>Megabunus</i>). <i>Molecular Ecology</i> , 2015, 24, 863-889.	3.9	19
49	More than one species of <i>Messor</i> harvester ants (Hymenoptera: Formicidae) in Central Europe. <i>European Journal of Entomology</i> , 2006, 103, 469-476.	1.2	19
50	First record of unicolonial polygyny in <i>Tetramorium</i> cf. <i>caespitum</i> (Hymenoptera, Formicidae). <i>Insectes Sociaux</i> , 2003, 50, 98-99.	1.2	17
51	Lessons from a Beetle and an Ant: Coping with Taxon-Dependent Differences in Microsatellite Development Success. <i>Journal of Molecular Evolution</i> , 2007, 65, 304-307.	1.8	17
52	Lineage specific evolution of an alternative social strategy in <i>Tetramorium</i> ants (Hymenoptera: Formicidae). <i>Evolution</i> , 2010, 64, 1070-1078.	1.6	16
53	Is temperature preference in the laboratory ecologically relevant for the field? The case of <i>Drosophila nigrosarsa</i> . <i>Global Ecology and Conservation</i> , 2019, 18, e00638.	2.1	16
54	A Falsification of the Citation Impediment in the Taxonomic Literature. <i>Systematic Biology</i> , 2015, 64, 860-868.	5.6	14

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55	Do genome size differences within <i>Brachionus asplanchnoidis</i> (Rotifera, Monogononta) cause reproductive barriers among geographic populations?. <i>Hydrobiologia</i> , 2017, 796, 59-75.	2.0	14
56	Evolution of morphological crypsis in the <i>Tetramorium caespitum</i> ant species complex (Hymenoptera: Formicidae). <i>Molecular Ecology</i> , 2019, 30, 1077-1090.	3.9	14
57	Genomic Signature of Shifts in Selection in a Subalpine Ant and Its Physiological Adaptations. <i>Molecular Biology and Evolution</i> , 2020, 37, 2211-2227.	8.9	14
58	Oviposition Substrate of the Mountain Fly <i>Drosophila nigrosarsa</i> (Diptera: Drosophilidae). <i>PLoS ONE</i> , 2016, 11, e0165743.	2.5	14
59	optiFLP: software for automated optimization of amplified fragment length polymorphism scoring parameters. <i>Molecular Ecology Resources</i> , 2011, 11, 1113-1118.	4.8	13
60	Extensive variation in chromosome number and genome size in sexual and parthenogenetic species of the jumping bristletail genus <i>Machilis</i> (Archaeognatha). <i>Ecology and Evolution</i> , 2014, 4, 4093-4105.	1.9	13
61	A toolbox for integrative species delimitation in <i>Machilis</i> jumping bristletails (Microcoryphia: Machilidae). <i>Molecular Ecology</i> , 2019, 30, 1077-1090.	0.9	12
62	<i>Wolbachia</i> megadiversity: 99% of these microorganismic manipulators unknown. <i>FEMS Microbiology Ecology</i> , 2019, 95, .	2.7	12
63	Isolation of polymorphic microsatellite loci for the study of habitat fragmentation in the harvester ant <i>Messor structor</i> . <i>Conservation Genetics</i> , 2005, 6, 859-861.	1.5	11
64	Life history traits and physiological limits of the alpine fly <i>Drosophila nigrosarsa</i> (Diptera: Drosophilidae). <i>Molecular Ecology</i> , 2019, 30, 1077-1090.	4.9	11
65	Congruent evolutionary responses of European steppe biota to late Quaternary climate change. <i>Nature Communications</i> , 2022, 13, 1921.	12.8	11
66	Hybridization Dynamics and Extensive Introgression in the <i>Daphnia longispina</i> Species Complex: New Insights from a High-Quality <i>Daphnia galeata</i> Reference Genome. <i>Genome Biology and Evolution</i> , 2021, 13, .	2.5	11
67	Optimal species distinction by discriminant analysis: comparing established methods of character selection with a combination procedure using ant morphometrics as a case study. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2007, 45, 82-87.	1.4	10
68	Intraspecific support for the polygyny-vs.-polyandry hypothesis in the bulldog ant <i>Myrmecia brevinoda</i> . <i>Molecular Ecology</i> , 2011, 20, no-no.	3.9	10
69	<i>Tetramorium indocile</i> Santschi, 1927 stat. rev. is the proposed scientific name for <i>Tetramorium</i> sp. C sensu Schlick-Steiner et al. (2006) based on combined molecular and morphological evidence (Hymenoptera: Formicidae). <i>Zoologischer Anzeiger</i> , 2014, 253, 469-481.	0.9	10
70	Genomic Resources Notes accepted 1 February 2015 - 31 March 2015. <i>Molecular Ecology Resources</i> , 2015, 15, 1014-1015.	4.8	10
71	Effect of social structure and introduction history on genetic diversity and differentiation. <i>Molecular Ecology</i> , 2021, 30, 2511-2527.	3.9	10
72	An Alpine ant's behavioural polymorphism: monogyny with and without internest aggression in <i>Tetramorium alpestre</i> . <i>Ethology Ecology and Evolution</i> , 2018, 30, 220-234.	1.4	9

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73	<i>Wolbachia</i> affect behavior and possibly reproductive compatibility but not thermoresistance, fecundity, and morphology in a novel transinfected host, <i>Drosophila nigrosparsa</i> . Ecology and Evolution, 2020, 10, 4457-4470.	1.9	9
74	Colony Structure. , 2009, , 177-193.		9
75	Twenty four new microsatellite markers in two invasive pavement ants, <i>Tetramorium</i> sp.E and <i>T. tsushimae</i> (Hymenoptera: Formicidae). Conservation Genetics, 2008, 9, 757-759.	1.5	8
76	Persistent, bioaccumulative, and toxic chemicals in insects: Current state of research and where to from here?. Science of the Total Environment, 2022, 825, 153830.	8.0	8
77	Life history traits of a European Messor harvester ant. Insectes Sociaux, 2005, 52, 360-365.	1.2	7
78	Performance comparison of two reduced-representation based genome-wide marker-discovery strategies in a multi-taxon phylogeographic framework. Scientific Reports, 2021, 11, 3978.	3.3	7
79	Differential gene expression in <i>Drosophila melanogaster</i> and <i>D. nigrosparsa</i> infected with the same <i>Wolbachia</i> strain. Scientific Reports, 2021, 11, 11336.	3.3	7
80	Genomic Resources Notes Accepted 1 June 2015 - 31 July 2015. Molecular Ecology Resources, 2015, 15, 1510-1512.	4.8	6
81	Colony genetic structure in the Australian jumper ant <i>Myrmecia pilosula</i> . Insectes Sociaux, 2012, 59, 109-117.	1.2	5
82	Genomic Resources Notes accepted 1 December 2013 - 31 January 2014. Molecular Ecology Resources, 2014, 14, 664-665.	4.8	5
83	Comparing ant behaviour indices for fine-scale analyses. Scientific Reports, 2019, 9, 6856.	3.3	5
84	Characterization of Polymorphic Microsatellites in the Giant Bulldog Ant, <i>Myrmecia brevinoda</i> and the Jumper Ant, <i>M. pilosula</i> . Journal of Insect Science, 2011, 11, 1-8.	1.5	4
85	Ultra-low activities of a common radioisotope for permission-free tracking of a drosophilid fly in its natural habitat. Scientific Reports, 2016, 6, 36506.	3.3	4
86	A reference allelic ladder for Western Capercaillie (<i>Tetrao urogallus</i>) and Black Grouse (<i>Tetrao</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 227 97-105.	0.8	4
87	Analyses of locomotion, wing morphology, and microbiome in <i>Drosophila nigrosparsa</i> after recovery from antibiotics. MicrobiologyOpen, 2022, 11, .	3.0	4
88	PRIMER NOTE: Eleven microsatellite loci in the sociobiologically enigmatic ant <i>Lasius austriacus</i> (Hymenoptera: Formicidae). Molecular Ecology Notes, 2006, 7, 498-500.	1.7	3
89	Recent insertion/deletion (re<sc>INDEL</sc>) mutations: increasing awareness to boost molecular-based research in ecology and evolution. Ecology and Evolution, 2015, 5, 24-35.	1.9	3
90	Towards an evolutionary history of European-Alpine <i>Trechus</i> ground beetles: Species groups and wing reduction. Molecular Phylogenetics and Evolution, 2020, 149, 106822.	2.7	3

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91	Characterization of expressed sequence tag (EST)-derived microsatellite loci in the fire ant <i>Solenopsis invicta</i> (Hymenoptera: Formicidae). <i>Conservation Genetics</i> , 2009, 10, 1373-1376.	1.5	2
92	A Worker-Like Female of <i>Myrmica sabuleti</i> (Meinert, 1861) (Hymenoptera: Formicidae: Myrmicinae) in a Pitfall Trap with Five Mermithids (Nematoda: Mermithidae) Protruding from the Gaster. <i>Sociobiology</i> , 2019, 66, 400.	0.5	1
93	Lessons from a Beetle and an Ant: Coping with Taxon-Dependent Differences in Microsatellite Development Success. <i>Journal of Molecular Evolution</i> , 2007, 65, 304.	1.8	0
94	Anticipating data-induced bias. <i>Science</i> , 2018, 361, 762-762.	12.6	0
95	Connectivity within isolation: dispersal, population genetics, and conservation of the rarest European damselfly. <i>Insect Conservation and Diversity</i> , 2021, 14, 800.	3.0	0
96	Colony structure, population structure, and sharing of foraging trees in the ant <i>Myrmecia nigriceps</i> (Hymenoptera: Formicidae). <i>Insectes Sociaux</i> , 0, , 1.	1.2	0