

# Felix Breden

## List of Publications by Year in descending order

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66  
papers

3,390  
citations

126708

33  
h-index

161609

54  
g-index

70  
all docs

70  
docs citations

70  
times ranked

3337  
citing authors

#	ARTICLE	IF	CITATIONS
1	Gene duplication to the Y chromosome in Trinidadian Guppies. <i>Molecular Ecology</i> , 2022, 31, 1853-1863.	2.0	11
2	Divergence and Remarkable Diversity of the Y Chromosome in Guppies. <i>Molecular Biology and Evolution</i> , 2021, 38, 619-633.	3.5	29
3	Extreme Y chromosome polymorphism corresponds to five male reproductive morphs of a freshwater fish. <i>Nature Ecology and Evolution</i> , 2021, 5, 939-948.	3.4	29
4	Diversity in immunogenomics: the value and the challenge. <i>Nature Methods</i> , 2021, 18, 588-591.	9.0	40
5	The adaptive immune receptor repertoire community as a model for FAIR stewardship of big immunology data. <i>Current Opinion in Systems Biology</i> , 2020, 24, 71-77.	1.3	9
6	The ADC API: A Web API for the Programmatic Query of the AIRR Data Commons. <i>Frontiers in Big Data</i> , 2020, 3, 22.	1.8	24
7	On the power to detect rare recombination events. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 12607-12608.	3.3	12
8	Inferred Allelic Variants of Immunoglobulin Receptor Genes: A System for Their Evaluation, Documentation, and Naming. <i>Frontiers in Immunology</i> , 2019, 10, 435.	2.2	63
9	Extreme heterogeneity in sex chromosome differentiation and dosage compensation in livebearers. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 19031-19036.	3.3	79
10	iReceptor: A platform for querying and analyzing antibody/B cell and T cell receptor repertoire data across federated repositories. <i>Immunological Reviews</i> , 2018, 284, 24-41.	2.8	132
11	Reviewing guppy color vision: integrating the molecular and physiological variation in visual tuning of a classic system for sensory drive. <i>Environmental Epigenetics</i> , 2018, 64, 535-545.	0.9	17
12	Convergent recombination suppression suggests role of sexual selection in guppy sex chromosome formation. <i>Nature Communications</i> , 2017, 8, 14251.	5.8	128
13	Comment on "A Database of Human Immune Receptor Alleles Recovered from Population Sequencing Data". <i>Journal of Immunology</i> , 2017, 198, 3371-3373.	0.4	46
14	Adaptive Immune Receptor Repertoire Community recommendations for sharing immune-repertoire sequencing data. <i>Nature Immunology</i> , 2017, 18, 1274-1278.	7.0	163
15	Genomic Environment Impacts Color Vision Evolution in a Family with Visually Based Sexual Selection. <i>Genome Biology and Evolution</i> , 2017, 9, 3100-3107.	1.1	16
16	Reproducibility and Reuse of Adaptive Immune Receptor Repertoire Data. <i>Frontiers in Immunology</i> , 2017, 8, 1418.	2.2	102
17	Using High-Throughput Sequencing to Characterize the Development of the Antibody Repertoire During Infections: A Case Study of HIV-1. <i>Advances in Experimental Medicine and Biology</i> , 2017, 1053, 245-263.	0.8	4
18	IGHV1-69 polymorphism modulates anti-influenza antibody repertoires, correlates with IGHV utilization shifts and varies by ethnicity. <i>Scientific Reports</i> , 2016, 6, 20842.	1.6	167

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19	Color vision varies more among populations than among species of live-bearing fish from South America. <i>BMC Evolutionary Biology</i> , 2015, 15, 225.	3.2	24
20	Beauty in the eyes of the beholders: colour vision is tuned to mate preference in the Trinidadian guppy ( <i>Poecilia reticulata</i> ). <i>Molecular Ecology</i> , 2015, 24, 596-609.	2.0	61
21	Sequencing of the human IG light chain loci from a hydatidiform mole BAC library reveals locus-specific signatures of genetic diversity. <i>Genes and Immunity</i> , 2015, 16, 24-34.	2.2	43
22	Developmental plasticity in vision and behavior may help guppies overcome increased turbidity. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2015, 201, 1125-1135.	0.7	61
23	<i>Poecilia picta</i> , a Close Relative to the Guppy, Exhibits Red Male Coloration Polymorphism: A System for Phylogenetic Comparisons. <i>PLoS ONE</i> , 2015, 10, e0142089.	1.1	6
24	Population structure of guppies in north-eastern Venezuela, the area of putative incipient speciation. <i>BMC Evolutionary Biology</i> , 2014, 14, 28.	3.2	7
25	Complete Haplotype Sequence of the Human Immunoglobulin Heavy-Chain Variable, Diversity, and Joining Genes and Characterization of Allelic and Copy-Number Variation. <i>American Journal of Human Genetics</i> , 2013, 92, 530-546.	2.6	223
26	HYBRIDIZATION LEADS TO SENSORY REPERTOIRE EXPANSION IN A GYNOGENETIC FISH, THE AMAZON MOLLY ( <i>POECILIA FORMOSA</i> ): A TEST OF THE HYBRID-SENSORY EXPANSION HYPOTHESIS. <i>Evolution; International Journal of Organic Evolution</i> , 2013, 67, 120-130.	1.1	16
27	Comparison of Antibody Repertoires Produced by HIV-1 Infection, Other Chronic and Acute Infections, and Systemic Autoimmune Disease. <i>PLoS ONE</i> , 2011, 6, e16857.	1.1	89
28	Regulatory function of conserved sequences upstream of the long-wave sensitive opsin genes in teleost fishes. <i>Vision Research</i> , 2011, 51, 2295-2303.	0.7	9
29	Gene Duplication and Divergence of Long Wavelength-Sensitive Opsin Genes in the Guppy, <i>Poecilia reticulata</i> . <i>Journal of Molecular Evolution</i> , 2011, 72, 240-252.	0.8	47
30	Molecular characterization of the cervical and systemic B-cell repertoire. <i>MAbs</i> , 2011, 3, 181-191.	2.6	5
31	Disproportionate Body Lengths Correlate With Idiopathic-Type Curvature in the Curveback Guppy. <i>Spine</i> , 2010, 35, 511-516.	1.0	5
32	Genomic organization of duplicated short wave-sensitive and long wave-sensitive opsin genes in the green swordtail, <i>Xiphophorus helleri</i> . <i>BMC Evolutionary Biology</i> , 2010, 10, 87.	3.2	32
33	Genome-wide single nucleotide polymorphisms reveal population history and adaptive divergence in wild guppies. <i>Molecular Ecology</i> , 2010, 19, 968-984.	2.0	133
34	Multilevel and kin selection in a connected world. <i>Nature</i> , 2010, 463, E8-E9.	13.7	44
35	Contrasting Ecology Shapes Juvenile Lake-type and Riverine Sockeye Salmon. <i>Transactions of the American Fisheries Society</i> , 2010, 139, 1584-1594.	0.6	17
36	Idiopathic-type scoliosis is not exclusive to bipedalism. <i>Medical Hypotheses</i> , 2009, 72, 348-352.	0.8	45

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37	The molecular basis of color vision in colorful fish: Four Long Wave-Sensitive (LWS) opsins in guppies ( <i>Poecilia reticulata</i> ) are defined by amino acid substitutions at key functional sites. <i>BMC Evolutionary Biology</i> , 2008, 8, 210.	3.2	60
38	The Mutant Guppy Syndrome Curveback as a Model for Human Heritable Spinal Curvature. <i>Spine</i> , 2007, 32, 735-741.	1.0	45
39	Opsin gene duplication and diversification in the guppy, a model for sexual selection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2007, 274, 33-42.	1.2	73
40	PARALLEL EVOLUTION AND VICARIANCE IN THE GUPPY ( <i>POECILIA RETICULATA</i> ) OVER MULTIPLE SPATIAL AND TEMPORAL SCALES. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 2352-2369.	1.1	87
41	Guppies. <i>Current Biology</i> , 2006, 16, R865-R866.	1.8	6
42	Conservation of Synteny Between Guppy and <i>Xiphophorus</i> Genomes. <i>Zebrafish</i> , 2006, 3, 347-357.	0.5	4
43	Parallel evolution and vicariance in the guppy ( <i>Poecilia reticulata</i> ) over multiple spatial and temporal scales. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 2352-69.	1.1	22
44	Invasion success and genetic diversity of introduced populations of guppies <i>Poecilia reticulata</i> in Australia. <i>Molecular Ecology</i> , 2005, 14, 3671-3682.	2.0	141
45	An analytical model assessing the potential threat to natural habitats from insect resistance transgenes. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 1759-1767.	1.2	17
46	Females prefer carotenoid colored males as mates in the pentamorphic livebearing fish, <i>Poecilia parae</i> . <i>Die Naturwissenschaften</i> , 2003, 90, 402-405.	0.6	27
47	Slipped-Strand Mismatching at Noncontiguous Repeats in <i>Poecilia reticulata</i> : A Model for Minisatellite Birth. <i>Genetics</i> , 2000, 155, 1313-1320.	1.2	32
48	A Test for Female Attraction to Male Orange Coloration in <i>Poecilia picta</i> . <i>Environmental Biology of Fishes</i> , 1999, 55, 449-453.	0.4	4
49	Molecular Phylogeny of the Live-Bearing Fish Genus <i>Poecilia</i> (Cyprinodontiformes: Poeciliidae). <i>Molecular Phylogenetics and Evolution</i> , 1999, 12, 95-104.	1.2	73
50	Microsatellite Allele Size Homoplasy in the Guppy ( <i>Poecilia reticulata</i> ). <i>Journal of Molecular Evolution</i> , 1999, 48, 245-247.	0.8	35
51	The effect of experience on mate choice in the Trinidad guppy, <i>Poecilia reticulata</i> . <i>Environmental Biology of Fishes</i> , 1995, 42, 323-328.	0.4	36
52	Distribution of a Repeated DNA Sequence in Natural Populations of Trinidad Guppy ( <i>Poecilia</i> ) Tj ETQq0 0 0 rgBT /Overlock 10, Tf 50 142	1.4	2
53	Absence of repetitive DNA sequences associated with sex chromosomes in natural populations of the Trinidad guppy ( <i>Poecilia reticulata</i> ). <i>Journal of Molecular Evolution</i> , 1994, 39, 431-433.	0.8	10
54	Test of indirect models of selection in the Trinidad guppy. <i>Heredity</i> , 1994, 73, 291-297.	1.2	32

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55	Mitochondrial DNA Sequence Variation among Natural Populations of the Trinidad Guppy, <i>Poecilia reticulata</i> . <i>Evolution; International Journal of Organic Evolution</i> , 1992, 46, 1457.	1.1	38
56	“Runaway” social evolution: Reinforcing selection for inbreeding and altruism. <i>Journal of Theoretical Biology</i> , 1991, 153, 323-337.	0.8	29
57	Partitioning of covariance as a method for studying kin selection. <i>Trends in Ecology and Evolution</i> , 1990, 5, 224-228.	4.2	27
58	Selection Within and Between Social Groups for Infanticide. <i>American Naturalist</i> , 1990, 136, 673-688.	1.0	49
59	Selection Within and between Kin Groups of the Imported Willow Leaf Beetle. <i>American Naturalist</i> , 1989, 134, 35-50.	1.0	93
60	Phenotypic differentiation in female preference related to geographic variation in male predation risk in the Trinidad guppy ( <i>Poecilia reticulata</i> ). <i>Behavioral Ecology and Sociobiology</i> , 1988, 22, 285-291.	0.6	115
61	An Experimental Study of the Effect of Group Size on Larval Growth and Survivorship in the Imported Willow Leaf Beetle, <i>Plagioderma versicolora</i> (Coleoptera: Chrysomelidae). <i>Environmental Entomology</i> , 1987, 16, 1082-1086.	0.7	35
62	Male predation risk determines female preference in the Trinidad guppy. <i>Nature</i> , 1987, 329, 831-833.	13.7	151
63	Life History of Natural Populations of the Imported Willow Leaf Beetle, <i>Plagioderma versicolora</i> (Coleoptera: Chrysomelidae). <i>Annals of the Entomological Society of America</i> , 1986, 79, 73-79.	1.3	45
64	The Effect of Conspecific Interactions on Metamorphosis in <i>Bufo Americanus</i> . <i>Ecology</i> , 1982, 63, 1682.	1.5	27
65	Inbreeding and evolution by kin selection. <i>Ethology and Sociobiology</i> , 1981, 2, 3-16.	1.4	38
66	The evolution of cheating and selfish behavior. <i>Behavioral Ecology and Sociobiology</i> , 1980, 7, 167-172.	0.6	82