Gil G Rosenthal

List of Publications by Year
in descending order

106	5,019	94433 37	114465 63
papers	citations	h-index	g-index

115	115	115	4276
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Natural selection interacts with recombination to shape the evolution of hybrid genomes. Science, 2018, 360, 656-660.	12.6	314
2	HOW COMMON IS HOMOPLOID HYBRID SPECIATION?. Evolution; International Journal of Organic Evolution, 2014, 68, 1553-1560.	2.3	273
3	Female preference for swords in Xiphophorus helleri reflects a bias for large apparent size. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 4431-4436.	7.1	230
4	A private ultraviolet channel in visual communication. Proceedings of the Royal Society B: Biological Sciences, 2003, 270, 897-904.	2.6	206
5	Alteration of the chemical environment disrupts communication in a freshwater fish. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1187-1193.	2.6	187
6	PHYLOGENOMICS REVEALS EXTENSIVE RETICULATE EVOLUTION INXIPHOPHORUSFISHES. Evolution; International Journal of Organic Evolution, 2013, 67, 2166-2179.	2.3	176
7	The vocal sac as a visual cue in anuran communication: an experimental analysis using video playback. Animal Behaviour, 2004, 68, 55-58.	1.9	134
8	Shared Preferences by Predators and Females for Male Ornaments in Swordtails. American Naturalist, 2001, 158, 146-154.	2.1	118
9	High-resolution mapping reveals hundreds of genetic incompatibilities in hybridizing fish species. ELife, 2014, 3, .	6.0	115
10	Repeated losses of PRDM9-directed recombination despite the conservation of PRDM9 across vertebrates. ELife, 2017, 6, .	6.0	115
11	Assortative preferences for stripes in danios. Animal Behaviour, 2005, 70, 1063-1066.	1.9	112
12	Female preference for dynamic traits in the green swordtail,Xiphophorus helleri. Animal Behaviour, 1996, 51, 811-820.	1.9	97
13	Species recognition by male swordtails via chemical cues. Behavioral Ecology, 2005, 16, 818-822.	2.2	95
14	Reproductive Isolation of Hybrid Populations Driven by Genetic Incompatibilities. PLoS Genetics, 2015, 11, e1005041.	3.5	93
15	Ancient hybridization and genomic stabilization in a swordtail fish. Molecular Ecology, 2016, 25, 2661-2679.	3.9	91
16	The shape of things to come: linking developmental plasticity to postâ€metamorphic morphology in anurans. Journal of Evolutionary Biology, 2010, 23, 1364-1373.	1.7	88
17	Natural hybridization reveals incompatible alleles that cause melanoma in swordtail fish. Science, 2020, 368, 731-736.	12.6	86
18	Replicated hybrid zones of Xiphophorus swordtails along an elevational gradient. Molecular Ecology, 2011, 20, 342-356.	3.9	83

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19	The role of sexual selection in maintaining a colour polymorphism in the pygmy swordtail, Xiphophorus pygmaeus. Animal Behaviour, 2003, 65, 735-743.	1.9	81
20	Female Disdain for Swords in a Swordtail Fish. American Naturalist, 2006, 167, 136-140.	2.1	81
21	Technical and conceptual considerations for using animated stimuli in studies of animal behavior. Environmental Epigenetics, 2017, 63, 5-19.	1.8	78
22	Female swordtail fish use chemical cues to select well-fed mates. Animal Behaviour, 2006, 72, 721-725.	1.9	77
23	Assortative mating and persistent reproductive isolation in hybrids. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, 10936-10941.	7.1	77
24	Physiological adaptation along environmental gradients and replicated hybrid zone structure in swordtails (Teleostei: Xiphophorus). Journal of Evolutionary Biology, 2012, 25, 1800-1814.	1.7	66
25	Spatiotemporal Dimensions of Visual Signals in Animal Communication. Annual Review of Ecology, Evolution, and Systematics, 2007, 38, 155-178.	8.3	65
26	Encounter rates with conspecific males influence female mate choice in a naturally hybridizing fish. Behavioral Ecology, 2011, 22, 1234-1240.	2.2	65
27	Secondary reduction of preference for the sword ornament in the pygmy swordtail Xiphophorus nigrensis (Pisces: Poeciliidae). Animal Behaviour, 2002, 63, 37-45.	1.9	63
28	Shoaling decisions in female swordtails: how do fish gauge group size?. Behaviour, 2007, 144, 1333-1346.	0.8	63
29	How stable are personalities? A multivariate view of behavioural variation over long and short timescales in the sheepshead swordtail, Xiphophorus birchmanni. Behavioral Ecology and Sociobiology, 2014, 68, 791-803.	1.4	56
30	Dissolution of Sexual Signal Complexes in a Hybrid Zone between the Swordtails Xiphophorus birchmanni and Xiphophorus malinche (Poeciliidae). Copeia, 2003, 2003, 299-307.	1.3	54
31	Using Video Playback to Study Sexual Communication. Environmental Biology of Fishes, 1999, 56, 307-316.	1.0	53
32	Male swordtails court with an audience in mind. Biology Letters, 2007, 3, 5-7.	2.3	52
33	Mate Choice in Zebrafish (Danio rerio) Analyzed With Video-Stimulus Techniques. Biological Bulletin, 2003, 205, 225-226.	1.8	48
34	Multivariate male traits misalign with multivariate female preferences in the swordtail fish, Xiphophorus birchmanni. Animal Behaviour, 2009, 78, 265-269.	1.9	48
35	Hungry females show stronger mating preferences. Behavioral Ecology, 2006, 17, 979-981.	2.2	45
36	Causes and consequences of contest outcome: aggressiveness, dominance and growth in the sheepshead swordtail, Xiphophorus birchmanni. Behavioral Ecology and Sociobiology, 2013, 67, 1151-1161.	1.4	45

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37	Individual mating decisions and hybridization. Journal of Evolutionary Biology, 2013, 26, 252-255.	1.7	43
38	What do we mean when we talk about hybrid speciation?. Heredity, 2018, 120, 379-382.	2.6	43
39	Seasonal Variation in Female Mate Choice and Operational Sex Ratio in Wild Populations of an Annual Fish, Austrolebias reicherti. PLoS ONE, 2014, 9, e101649.	2.5	41
40	Effects of sensory modality on learned mate preferences in female swordtails. Animal Behaviour, 2011, 82, 557-562.	1.9	40
41	Intra- and intersexual selection on male body size in the annual killifish Austrolebias charrua. Behavioural Processes, 2013, 96, 20-26.	1.1	38
42	Tactical Release of a Sexually-Selected Pheromone in a Swordtail Fish. PLoS ONE, 2011, 6, e16994.	2.5	38
43	Sexual selection and the ascent of women: Mate choice research since Darwin. Science, 2022, 375, eabi6308.	12.6	38
44	Itâ€™s Not about Him: Mismeasuring â€˜Good Genesâ€™ in Sexual Selection. Trends in Ecology and Evolution, 2020, 35, 206-219.	8.7	37
45	Visual and acoustic communication in non-human animals: a comparison. Journal of Biosciences, 2000, 25, 285-290.	1.1	35
46	Shoal Choice in Swordtails when Preferences Conflict. Ethology, 2005, 111, 179-186.	1.1	31
47	Reduced opsin gene expression in a cave-dwelling fish. Biology Letters, 2010, 6, 98-101.	2.3	31
48	Opposite effects of learning cause asymmetric mate preferences in hybridizing species. Behavioral Ecology, 2012, 23, 1133-1139.	2.2	30
49	An Indirect Cue of Predation Risk Counteracts Female Preference for Conspecifics in a Naturally Hybridizing Fish Xiphophorus birchmanni. PLoS ONE, 2012, 7, e34802.	2.5	30
50	Response to perceived predation threat in fiddler crabs: trust thy neighbor as thyself?. Behavioral Ecology and Sociobiology, 2005, 58, 345-350.	1.4	29
51	Maternal Size and Age Shape Offspring Size in a Live-Bearing Fish, Xiphophorus birchmanni. PLoS ONE, 2012, 7, e48473.	2.5	28
52	Canopy characteristics affect reproductive success of goldenâ€cheeked warblers. Wildlife Society Bulletin, 2012, 36, 54-60.	1.6	27
53	Environmental disturbance and animal communication. , 2012, , 16-31.		27
54	Assortative Mating and the Maintenance of Population Structure in a Natural Hybrid Zone. American Naturalist, 2014, 184, 225-232.	2.1	26

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55	Chase-Away Sexual Selection: Resistance to "Resistance". Evolution; International Journal of Organic Evolution, 1999, 53, 296.	2.3	25
56	AN EVALUATION OF THE HYBRID SPECIATION HYPOTHESIS FORXIPHOPHORUS CLEMENCIAEBASED ON WHOLE GENOME SEQUENCES. Evolution; International Journal of Organic Evolution, 2013, 67, 1155-1168.	2.3	25
57	Humic Acid Interferes with Species Recognition in Zebrafish (Danio rerio). Journal of Chemical Ecology, 2007, 33, 2090-2096.	1.8	24
58	Carotenoid-rich mouth colors influence the conspicuousness of nestling birds. Behavioral Ecology and Sociobiology, 2010, 64, 455-462.	1.4	23
59	Conflicting preferences within females: sexual selection versus species recognition. Biology Letters, 2011, 7, 525-527.	2.3	23
60	Mating preferences do not maintain the tailspot polymorphism in the platyfish, Xiphophorus variatus. Behavioral Ecology, 2013, 24, 1286-1291.	2.2	22
61	Testing Video Playback to Lizards in the Field. Copeia, 1997, 1997, 421.	1.3	21
62	Early social learning triggers neurogenomic expression changes in a swordtail fish. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170701.	2.6	21
63	Evaluation and hedonic value in mate choice. Environmental Epigenetics, 2018, 64, 485-492.	1.8	21
64	The Genetic Architecture of Variation in the Sexually Selected Sword Ornament and Its Evolution in Hybrid Populations. Current Biology, 2021, 31, 923-935.e11.	3.9	21
65	Symmetry without fear. Nature, 1994, 372, 134-135.	27.8	20
66	CHASE-AWAY SEXUAL SELECTION: RESISTANCE TO â€œRESISTANCEâ€• Evolution; International Journal of Organic Evolution, 1999, 53, 296-299.	2.3	19
67	What artifice can and cannot tell us about animal behavior. Environmental Epigenetics, 2017, 63, 21-26.	1.8	18
68	Sex Recognition via Chemical Cues in the Sexâ€Roleâ€Reversed Gulf Pipefish (Syngnathus scovelli). Ethology, 2009, 115, 339-346.	1.1	17
69	anyFish 2.0: An open-source software platform to generate and share animated fish models to study behavior. SoftwareX, 2015, 3-4, 13-21.	2.6	17
70	Sexual Behavior, Genes, and Evolution in Xiphophorus. Zebrafish, 2006, 3, 85-90.	1.1	15
71	Phenotypic and genetic integration of personality and growth under competition in the sheepshead swordtail, Xiphophorus birchmanni. Evolution; International Journal of Organic Evolution, 2018, 72, 187-201.	2.3	15
72	Evolutionary novelty in communication between the sexes. Biology Letters, 2021, 17, 20200733.	2.3	15

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73	Species recognition in the blackbordered damselfish Dascyllus marginatus (RÃ¼ppell): An evaluation of computer-animated playback techniques. Journal of Experimental Marine Biology and Ecology, 2005, 318, 111-118.	1.5	14
74	Automated Interactive Video Playback for Studies of Animal Communication. Journal of Visualized Experiments, 2011, , .	0.3	14
75	Genetic Variation and Covariation in Male Attractiveness and Female Mating Preferences in Drosophila melanogaster. G3: Genes, Genomes, Genetics, 2014, 4, 79-88.	1.8	14
76	Male diet, female experience, and female size influence maternal investment in swordtails. Behavioral Ecology, 2013, 24, 691-697.	2.2	13
77	Divergent neurogenomic responses shape social learning of both personality and mate preference. Journal of Experimental Biology, 2020, 223, .	1.7	13
78	Female Annual Killifish Austrolebias reicherti (Cyprinodontiformes, Rivulidae) Attend to Male Chemical Cues. Ethology, 2013, 119, 891-897.	1.1	12
79	Sexual Ornaments, Body Morphology, and Swimming Performance in Naturally Hybridizing Swordtails (Teleostei: Xiphophorus). PLoS ONE, 2014, 9, e109025.	2.5	12
80	Boldness and predator evasion in naturally hybridizing swordtails (Teleostei: Xiphophorus). Environmental Epigenetics, 2015, 61, 596-603.	1.8	12
81	Admixâ€™em: a flexible framework for forward-time simulations of hybrid populations with selection and mate choice. Bioinformatics, 2016, 32, 1103-1105.	4.1	11
82	Swordtail Fry Attend to Chemical and Visual Cues in Detecting Predators and Conspecifics. PLoS ONE, 2006, 1, e118.	2.5	11
83	Relative Abundance ofXiphophorusFishes and Its Effect on Sexual Communication. Ethology, 2010, 116, 32-38.	1.1	10
84	Multiple Mating and Reproductive Skew in Parental and Introgressed Females of the Live-Bearing Fish Xiphophorus Birchmanni. Journal of Heredity, 2015, 106, 57-66.	2.4	10
85	Sexâ€specific plasticity and genotypeÂÃ—Âsex interactions for age and size of maturity in the sheepshead swordtail, Xiphophorus birchmanni. Journal of Evolutionary Biology, 2016, 29, 645-656.	1.7	9
86	Alternative splicing of major histocompatibility complex class II DXB transcripts in Xiphophorus fishes. Immunogenetics, 2004, 56, 462-6.	2.4	8
87	Divergent patterns of selection on the DAB and DXB MHC class II loci in Xiphophorus fishes. Genetica, 2009, 135, 379-390.	1.1	8
88	An indigenous religious ritual selects for resistance to a toxicant in a livebearing fish. Biology Letters, 2011, 7, 229-232.	2.3	8
89	Copulation rate declines with mating group size in dusky dolphins (Lagenorhynchus) Tj ETQq1 1 0.784314 rgBT /Overlock 10 T	1.0	8
90	simMSG: an experimental design tool for highâ€throughput genotyping of hybrids. Molecular Ecology Resources, 2016, 16, 183-192.	4.8	8

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91	How the manakin got its crown: A novel trait that is unlikely to cause speciation. Proceedings of the National Academy of Sciences of the United States of America, 2018, 115, E4144-E4145.	7.1	8
92	Mutual Mate Choice. , 2017, , .		7
93	A narrow window for geographic cline analysis using genomic data: Effects of age, drift, and migration on error rates. Molecular Ecology Resources, 2021, 21, 2278-2287.	4.8	6
94	Genomic insights into variation in thermotolerance between hybridizing swordtail fishes. Molecular Ecology, 2022, , .	3.9	6
95	8. Variation and Selection in Swordtails. , 2002, , 133-148.		5
96	Population-level mating patterns and fluctuating asymmetry in swordtail hybrids. Die Naturwissenschaften, 2013, 100, 801-804.	1.6	5
97	Behavioral responses of wild animals to anthropogenic change: insights from domestication. Behavioral Ecology and Sociobiology, 2022, 76, .	1.4	4
98	A field-study of inducible molecular defenses, ultraviolet radiation, and melanomagenesis in natural Xiphophorus hybrids. Environmental Biology of Fishes, 2009, 86, 279-284.	1.0	3
99	What is it like to be a peahen?. Environmental Epigenetics, 2013, 59, 180-183.	1.8	3
100	Risk-sensitive resource defense in a territorial reef fish. Environmental Biology of Fishes, 2014, 97, 813-819.	1.0	3
101	Mate Choice: Charting Desireâ€™s Tangled Bank. Current Biology, 2016, 26, R294-R296.	3.9	3
102	Digest: Mechanisms of assortative mating and ecological speciation*. Evolution; International Journal of Organic Evolution, 2017, 71, 185-186.	2.3	2
103	Reproductive Strategies: Eat Your Kids to Restart Your Sex Life. Current Biology, 2018, 28, R946-R948.	3.9	2
104	The Use of Playbacks in Behavioral Experiments. , 2019, , 529-534.		1
105	Patterns of evolution in human speech processing and animal communication. Behavioral and Brain Sciences, 1998, 21, 282-283.	0.7	0
106	Growth and male ornamentation inXiphophorus montezumae. Marine and Freshwater Behaviour and Physiology, 2011, 44, 159-169.	0.9	0