

# Gregory F Grether

## List of Publications by Citations

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81  
papers

3,542  
citations

35  
h-index

59  
g-index

83  
ext. papers

3,931  
ext. citations

4  
avg, IF

5.59  
L-index

#	Paper	IF	Citations
81	A possible non-sexual origin of mate preference: are male guppies mimicking fruit?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2002</b> , 269, 475-81	4.4	247
80	The role of interspecific interference competition in character displacement and the evolution of competitor recognition. <i>Biological Reviews</i> , <b>2009</b> , 84, 617-35	13.5	214
79	Carotenoid limitation of sexual coloration along an environmental gradient in guppies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>1999</b> , 266, 1317-1322	4.4	208
78	Individual colour patches as multicomponent signals. <i>Biological Reviews</i> , <b>2004</b> , 79, 583-610	13.5	188
77	RAIN FOREST CANOPY COVER, RESOURCE AVAILABILITY, AND LIFE HISTORY EVOLUTION IN GUPPIES. <i>Ecology</i> , <b>2001</b> , 82, 1546-1559	4.6	184
76	Carotenoid limitation and mate preference evolution: a test of the indicator hypothesis in guppies ( <i>Poecilia reticulata</i> ). <i>Evolution; International Journal of Organic Evolution</i> , <b>2000</b> , 54, 1712-24	3.8	170
75	Carotenoid scarcity, synthetic pteridine pigments and the evolution of sexual coloration in guppies ( <i>Poecilia reticulata</i> ). <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2001</b> , 268, 1245-53	4.4	156
74	Environmental change, phenotypic plasticity, and genetic compensation. <i>American Naturalist</i> , <b>2005</b> , 166, E115-23	3.7	138
73	INTRASEXUAL COMPETITION ALONE FAVORS A SEXUALLY DIMORPHIC ORNAMENT IN THE RUBYSPOD DAMSELFLY HETAERINA AMERICANA. <i>Evolution; International Journal of Organic Evolution</i> , <b>1996</b> , 50, 1949-1957	3.8	111
72	The evolutionary consequences of interspecific aggression. <i>Annals of the New York Academy of Sciences</i> , <b>2013</b> , 1289, 48-68	6.5	96
71	Sex-specific effects of carotenoid intake on the immunological response to allografts in guppies ( <i>Poecilia reticulata</i> ). <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2004</b> , 271, 45-9	4.4	82
70	SEXUAL SELECTION AND SURVIVAL SELECTION ON WING COLORATION AND BODY SIZE IN THE RUBYSPOD DAMSELFLY HETAERINA AMERICANA. <i>Evolution; International Journal of Organic Evolution</i> , <b>1996</b> , 50, 1939-1948	3.8	82
69	Causes and Consequences of Behavioral Interference between Species. <i>Trends in Ecology and Evolution</i> , <b>2017</b> , 32, 760-772	10.9	80
68	Interspecific aggression and character displacement of competitor recognition in Hetaerina damselflies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2010</b> , 277, 549-55	4.4	75
67	COUNTERGRADIENT VARIATION IN THE SEXUAL COLORATION OF GUPPIES ( <i>POECILIA RETICULATA</i> ): DROSOPTERIN SYNTHESIS BALANCES CAROTENOID AVAILABILITY. <i>Evolution; International Journal of Organic Evolution</i> , <b>2005</b> , 59, 175-188	3.8	75
66	Carotenoid availability affects the development of a colour-based mate preference and the sensory bias to which it is genetically linked. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2005</b> , 272, 2181-8	4.4	64
65	Intrasexual Competition Alone Favors a Sexually Dimorphic Ornament in the Rubyspot Damselfly Hetaerina americana. <i>Evolution; International Journal of Organic Evolution</i> , <b>1996</b> , 50, 1949	3.8	63

64	Novel cost of a sexually selected trait in the rubyspot damselfly <i>Hetaerina americana</i> : conspicuousness to prey. <i>Behavioral Ecology</i> , <b>1996</b> , 7, 465-473	2.3	63
63	The effects of resource availability on alternative mating tactics in guppies ( <i>Poecilia reticulata</i> ). <i>Behavioral Ecology</i> , <b>2005</b> , 16, 294-300	2.3	61
62	Food availability and parasite infection influence mating tactics in guppies ( <i>Poecilia reticulata</i> ). <i>Behavioral Ecology</i> , <b>2009</b> , 20, 131-137	2.3	59
61	Predicting the direction of ornament evolution in Trinidadian guppies ( <i>Poecilia reticulata</i> ). <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2009</b> , 276, 4335-43	4.4	54
60	The effects of carotenoid and food availability on resistance to a naturally occurring parasite ( <i>Gyrodactylus turnbulli</i> ) in guppies ( <i>Poecilia reticulata</i> ). <i>Biological Journal of the Linnean Society</i> , <b>2006</b> , 89, 301-309	1.9	54
59	Association among wild orang-utans: sociality, passive aggregations or chance?. <i>Animal Behaviour</i> , <b>1991</b> , 42, 33-46	2.8	52
58	Sexual Selection and Survival Selection on Wing Coloration and Body Size in the Rubyspot Damselfly <i>Hetaerina americana</i> . <i>Evolution; International Journal of Organic Evolution</i> , <b>1996</b> , 50, 1939	3.8	50
57	Parallels between playbacks and Pleistocene tar seeps suggest sociality in an extinct sabretooth cat, <i>Smilodon</i> . <i>Biology Letters</i> , <b>2009</b> , 5, 81-5	3.6	49
56	Unraveling the true complexity of costly color signaling. <i>Behavioral Ecology</i> , <b>2012</b> , 23, 233-236	2.3	45
55	The neuroecology of competitor recognition. <i>Integrative and Comparative Biology</i> , <b>2011</b> , 51, 807-18	2.8	41
54	Evolutionary consequences of human disturbance in a rainforest bird species from Central Africa. <i>Molecular Ecology</i> , <b>2008</b> , 17, 58-71	5.7	41
53	Pronounced reproductive skew in a natural population of green swordtails, <i>Xiphophorus helleri</i> . <i>Molecular Ecology</i> , <b>2008</b> , 17, 4522-34	5.7	41
52	Character displacement in the fighting colours of <i>Hetaerina</i> damselflies. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2010</b> , 277, 3669-75	4.4	39
51	Ornamental evolution in Trinidadian guppies ( <i>Poecilia reticulata</i> ): insights from sensory processing-based analyses of entire colour patterns. <i>Biological Journal of the Linnean Society</i> , <b>2008</b> , 95, 734-747	1.9	39
50	Reproductive interference explains persistence of aggression between species. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2015</b> , 282, 20142256	4.4	36
49	The ecological and evolutionary stability of interspecific territoriality. <i>Ecology Letters</i> , <b>2016</b> , 19, 260-7	10	36
48	Survival cost of an intrasexually selected ornament in a damselfly. <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>1997</b> , 264, 207-210	4.4	35
47	Gibbon foraging decisions and the marginal value model. <i>International Journal of Primatology</i> , <b>1992</b> , 13, 1-17	2	35

46	The evolution of species recognition in competitive and mating contexts: the relative efficacy of alternative mechanisms of character displacement. <i>Ecology Letters</i> , <b>2013</b> , 16, 670-8	10	34
45	Marginal differentiation between the sexual and general carotenoid pigmentation of guppies ( <i>Poecilia reticulata</i> ) and a possible visual explanation. <i>Physiological and Biochemical Zoology</i> , <b>2003</b> , 76, 776-90	2	34
44	Competitive mimicry: synthesis of a neglected class of mimetic relationships. <i>Ecology</i> , <b>2007</b> , 88, 2440-8	4.6	32
43	Communal Roost Site Selection in a Neotropical Harvestman: Habitat Limitation vs. Tradition. <i>Ethology</i> , <b>2007</b> , 113, 290-300	1.7	29
42	Tradition without social learning: scent-mark-based communal roost formation in a Neotropical harvestman ( <i>Prionostemma</i> sp.). <i>Behavioral Ecology and Sociobiology</i> , <b>2007</b> , 61, 801-809	2.5	27
41	Interspecific aggression, not interspecific mating, drives character displacement in the wing coloration of male rubyspot damselflies ( <i>Hetaerina</i> ). <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2014</b> , 281, 20141737	4.4	23
40	Mechanisms for the formation and maintenance of traditional night roost aggregations in a territorial damselfly. <i>Animal Behaviour</i> , <b>2000</b> , 60, 569-579	2.8	20
39	New communal roosting tradition established through experimental translocation in a Neotropical harvestman. <i>Animal Behaviour</i> , <b>2012</b> , 84, 1183-1190	2.8	18
38	An assessment of marking techniques for odonates in the family Calopterygidae. <i>Entomologia Experimentalis Et Applicata</i> , <b>2011</b> , 141, 258-261	2.1	18
37	Countergradient variation in the sexual coloration of guppies ( <i>Poecilia reticulata</i> ): drosopterin synthesis balances carotenoid availability. <i>Evolution; International Journal of Organic Evolution</i> , <b>2005</b> , 59, 175-88	3.8	18
36	Environmental and genetic influences on mating strategies along a replicated food availability gradient in guppies ( <i>Poecilia reticulata</i> ). <i>Behavioral Ecology and Sociobiology</i> , <b>2007</b> , 61, 689-701	2.5	17
35	Female mate preference explains countergradient variation in the sexual coloration of guppies ( <i>Poecilia reticulata</i> ). <i>Proceedings of the Royal Society B: Biological Sciences</i> , <b>2012</b> , 279, 1684-90	4.4	15
34	RAIN FOREST CANOPY COVER, RESOURCE AVAILABILITY, AND LIFE HISTORY EVOLUTION IN GUPPIES <b>2001</b> , 82, 1546		15
33	Exploring visual plasticity: dietary carotenoids can change color vision in guppies ( <i>Poecilia reticulata</i> ). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , <b>2016</b> , 202, 527-34	2.3	14
32	CAROTENOID LIMITATION AND MATE PREFERENCE EVOLUTION: A TEST OF THE INDICATOR HYPOTHESIS IN GUPPIES ( <i>POECILIA RETICULATA</i> ). <i>Evolution; International Journal of Organic Evolution</i> , <b>2000</b> , 54, 1712	3.8	14
31	Competition and hybridization drive interspecific territoriality in birds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , <b>2020</b> , 117, 12923-12930	11.5	13
30	Multiple routes to reduced interspecific territorial fighting in <i>Hetaerina</i> damselflies. <i>Behavioral Ecology</i> , <b>2011</b> , 22, 527-534	2.3	12
29	Species differences and geographic variation in the communal roosting behavior of <i>Prionostemma</i> harvestmen in Central American rainforests. <i>Journal of Arachnology</i> , <b>2014</b> , 42, 257-267	1.1	11

28	Continent-scale phenotype mapping using citizen scientists' photographs. <i>Ecography</i> , <b>2019</b> , 42, 1436-1446	6.5	10
27	Loss of sexual dimorphism is associated with loss of lekking behavior in the green manakin <i>Xenopipo holochora</i> . <i>Journal of Avian Biology</i> , <b>2015</b> , 46, 307-314	1.9	10
26	The Evolution of Mate Preferences, Sensory Biases, and Indicator Traits. <i>Advances in the Study of Behavior</i> , <b>2010</b> , 41, 35-76	3.4	10
25	Redesigning the genetic architecture of phenotypically plastic traits in a changing environment. <i>Biological Journal of the Linnean Society</i> , <b>2014</b> , 112, 276-286	1.9	9
24	The Role of Wing Coloration in Sex Recognition and Competitor Recognition in Rubyspot Damselflies ( <i>Hetaerina</i> spp.). <i>Ethology</i> , <b>2015</b> , 121, 674-685	1.7	9
23	Body size, not phylogenetic relationship or residency, drives interspecific dominance in a little pocket mouse community. <i>Animal Behaviour</i> , <b>2018</b> , 137, 197-204	2.8	8
22	Communal roosting sites are potential ecological traps: experimental evidence in a Neotropical harvestman. <i>Behavioral Ecology and Sociobiology</i> , <b>2014</b> , 68, 1629-1638	2.5	8
21	Sociality in Rancho La Brea <i>Smilodon</i> : arguments favour 'evidence' over 'coincidence' <i>Biology Letters</i> , <b>2009</b> , 5, 563-564	3.6	8
20	A General Explanation for the Persistence of Reproductive Interference. <i>American Naturalist</i> , <b>2019</b> , 194, 268-275	3.7	7
19	Rampant introgressive hybridization in <i>Pogoniulus</i> tinkerbirds (Piciformes: Lybiidae) despite millions of years of divergence. <i>Biological Journal of the Linnean Society</i> , <b>2019</b> , 127, 125-142	1.9	5
18	Predicting evolutionary responses to interspecific interference in the wild. <i>Ecology Letters</i> , <b>2020</b> , 23, 221-230	10	5
17	Time spent together and time spent apart affect song, feather colour and range overlap in tinkerbirds. <i>Biological Journal of the Linnean Society</i> , <b>2020</b> , 129, 439-458	1.9	4
16	Multiple routes to interspecific territoriality in sister species of North American perching birds. <i>Evolution; International Journal of Organic Evolution</i> , <b>2020</b> , 74, 2134-2148	3.8	4
15	Genetic correlation complicates the interpretation of phylogenetic transitions in sexually selected traits. <i>Behavioral Ecology</i> , <b>1995</b> , 6, 349-349	2.3	3
14	Territoriality in Aquatic Insects <b>2019</b> , 167-189		2
13	Convergent and divergent selection drive plumage evolution in woodpeckers. <i>Nature Communications</i> , <b>2020</b> , 11, 144	17.4	2
12	Cache pilfering in a granivore guild: Implications for reintroduction management. <i>Journal of Wildlife Management</i> , <b>2019</b> , 83, 1607-1616	1.9	2
11	Experimental test of the mechanism underlying sexual segregation at communal roosts of harvestmen ( <i>Prionostemma</i> spp.). <i>Ethology</i> , <b>2017</b> , 123, 516-525	1.7	2

10	Integrating Functional and Evolutionary Approaches to the Study of Color-Based Animal Signals <b>2014</b> , 111-140		2
9	Characterization of novel microsatellite loci for <i>Hetaerina americana</i> damselflies, and cross-amplification in other species. <i>Conservation Genetics Resources</i> , <b>2013</b> , 5, 149-151	0.8	2
8	Characterization of 12 microsatellite loci in the waterfall damselfly ( <i>Paraphlebia zoe</i> ) for use in population genetic applications. <i>Conservation Genetics Resources</i> , <b>2012</b> , 4, 175-177	0.8	1
7	Multiple routes to interspecific territoriality in sister species of North American perching birds		1
6	Niche partitioning in an assemblage of granivorous rodents, and the challenge of community-level conservation.. <i>Oecologia</i> , <b>2022</b> , 198, 553	2.9	0
5	Developing & Testing Curricula for Teaching Evolutionary Concepts at the Elementary School Level. <i>American Biology Teacher</i> , <b>2021</b> , 83, 96-103	0.3	0
4	Why are female color polymorphisms rare in territorial damselflies?. <i>Ethology</i> , <b>2018</b> , 124, 667-673	1.7	0
3	Trade-off mediated by pyrrolizidine alkaloids predicts alternative reproductive tactics in ithomiine butterflies. <i>Ecological Entomology</i> , <b>2021</b> , 46, 1113-1117	2.1	
2	Teaching Evolutionary Concepts in Elementary School. <i>American Biology Teacher</i> , <b>2021</b> , 83, 118-119	0.3	
1	Exciting discoveries in animal signalling and sexual dichromatism. <i>Functional Ecology</i> , <b>2021</b> , 35, 1624-1626	5.6	