Geoff A Parker

List of Publications by Year in descending order

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119 papers	21,766 citations	31976 53 h-index	20358 116 g-index
123 all docs	123 docs citations	123 times ranked	9376 citing authors

#	Article	IF	Citations
1	Complex life-cycles in trophically transmitted helminths: Do the benefits of increased growth and transmission outweigh generalism and complexity costs?. Current Research in Parasitology and Vector-borne Diseases, 2022, 2, 100085.	1.9	3
2	Trade-Offs with Growth Limit Host Range in Complex Life-Cycle Helminths. American Naturalist, 2021, 197, E40-E54.	2.1	9
3	The devil is in the details: a comment on Shuker and Kvarnemo. Behavioral Ecology, 2021, 32, 798-799.	2.2	1
4	How Soon Hath Timeâ€¦ A History of Two â€œSeminalâ€•Publications. Cells, 2021, 10, 287.	4.1	9
5	A comparative test of the gamete dynamics theory for the evolution of anisogamy in Bryopsidales green algae. Royal Society Open Science, 2021, 8, 201611.	2.4	3
6	Lifeâ€cycle complexity in helminths: What are the benefits?. Evolution; International Journal of Organic Evolution, 2021, 75, 1936-1952.	2.3	20
7	Evolution of Anisogamy in Organisms with Parthenogenetic Gametes. American Naturalist, 2021, 198, 360-378.	2.1	7
8	Ungulate Helminth Transmission and Two Evolutionary Puzzles. Trends in Parasitology, 2020, 36, 64-79.	3.3	6
9	Evolutionary insight from a humble fly: sperm competition and the yellow dungfly. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20200062.	4.0	15
10	Conceptual developments in sperm competition: a very brief synopsis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20200061.	4.0	51
11	So we all choose our own assessment rules?: a comment on Chapin et al. Behavioral Ecology, 2019, 30, 1188-1188.	2.2	4
12	Evolution of the Two Sexes under Internal Fertilization and Alternative Evolutionary Pathways. American Naturalist, 2019, 193, 702-716.	2.1	16
13	Endless forms of sexual selection. PeerJ, 2019, 7, e7988.	2.0	24
14	The evolution of gonad expenditure and gonadosomatic index (GSI) in male and female broadcastâ€spawning invertebrates. Biological Reviews, 2018, 93, 693-753.	10.4	35
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19	What do isogamous organisms teach us about sex and the two sexes?. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150532.	4.0	46
20	Evolution of complex life cycles in trophically transmitted helminths. <scp>II</scp>. How do lifeâ€history stages adapt to their hosts?. Journal of Evolutionary Biology, 2015, 28, 292-304.	1.7	14
21	Sexual Selection: The Logical Imperative. History, Philosophy and Theory of the Life Sciences, 2015, , 119-163.	0.4	42
22	Evolution of complex life cycles in trophically transmitted helminths. I. Host incorporation and trophic ascent. Journal of Evolutionary Biology, 2015, 28, 267-291.	1.7	49
23	Gamete competition, gamete limitation, and the evolution of the two sexes. Molecular Human Reproduction, 2014, 20, 1161-1168.	2.8	37
24	The trophic vacuum and the evolution of complex life cycles in trophically transmitted helminths. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20141462.	2.6	27
25	The Sexual Cascade and the Rise of Pre-Ejaculatory (Darwinian) Sexual Selection, Sex Roles, and Sexual Conflict. Cold Spring Harbor Perspectives in Biology, 2014, 6, a017509-a017509.	5.5	135
26	Gamete evolution and sperm numbers: sperm competition versus sperm limitation. Proceedings of the Royal Society B: Biological Sciences, 2014, 281, 20140836.	2.6	28
27	The asymmetric incubation game: a prospective model and a house sparrow investigation. Animal Behaviour, 2014, 93, 37-47.	1.9	8
28	Complex Life Cycles: Why Refrain from Growth before Reproduction in the Adult Niche?. American Naturalist, 2013, 181, 39-51.	2.1	31
29	SPERM COMPETITION GAMES: A GENERAL MODEL FOR PRECOPULATORY MALE-MALE COMPETITION. Evolution; International Journal of Organic Evolution, 2013, 67, 95-109.	2.3	193
30	Polyandry: the history of a revolution. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120335.	4.0	187
31	The origin and maintenance of two sexes (anisogamy), and their gamete sizes by gamete competition. , 2011, , 17-74.		23
32	EXPLOITATION OF THE SAME TROPHIC LINK FAVORS CONVERGENCE OF LARVAL LIFE-HISTORY STRATEGIES IN COMPLEX LIFE CYCLE HELMINTHS. Evolution; International Journal of Organic Evolution, 2011, 65, 2286-2299.	2.3	18
33	Inclusive fitness theory and eusociality. Nature, 2011, 471, E1-E4.	27.8	339
34	Resolving variation in the reproductive tradeoff between sperm size and number. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 5325-5330.	7.1	160
35	Sperm competition games: Sperm size (mass) and number under raffle and displacement, and the evolution of P2. Journal of Theoretical Biology, 2010, 264, 1003-1023.	1.7	52
36	Living in intermediate hosts: evolutionary adaptations in larval helminths. Trends in Parasitology, 2010, 26, 93-102.	3.3	38

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37	Sperm competition and ejaculate economics. Biological Reviews, 2010, 85, 897-934.	10.4	488
38	Maternal effects on offspring size and packaging constraints in the whelk. Journal of Zoology, 2010, 281, 112-117.	1.7	8
39	WHEN SHOULD A TROPHICALLY TRANSMITTED PARASITE MANIPULATE ITS HOST?. Evolution; International Journal of Organic Evolution, 2009, 63, 448-458.	2.3	88
40	WHEN TO GO: OPTIMIZATION OF HOST SWITCHING IN PARASITES WITH COMPLEX LIFE CYCLES. Evolution; International Journal of Organic Evolution, 2009, 63, 1976-1986.	2.3	70
41	To grow or not to grow? Intermediate and paratenic hosts as helminth life cycle strategies. Journal of Theoretical Biology, 2009, 258, 135-147.	1.7	29
42	Why do larval helminths avoid the gut of intermediate hosts?. Journal of Theoretical Biology, 2009, 260, 460-473.	1.7	14
43	Sperm competition and sperm phenotype. , 2009, , 207-245.		164
44	The evolution of complex life cycles when parasite mortality is size- or time-dependent. Journal of Theoretical Biology, 2008, 253, 202-214.	1.7	28
45	Sperm competition games: the risk model can generate higher sperm allocation to virgin females. Journal of Evolutionary Biology, 2007, 20, 767-779.	1.7	47
46	Geoff A. Parker. Current Biology, 2007, 17, R111-R112.	3.9	2
47	Sexual conflict over mating and fertilization: an overview. Philosophical Transactions of the Royal Society B: Biological Sciences, 2006, 361, 235-259.	4.0	561
48	Competitive Growth Strategies in Intermediate Hosts: Experimental Tests of a Parasite life-History Model Using the Cestode, Schistocephalus solidus. Evolutionary Ecology, 2006, 20, 39-57.	1.2	43
49	Consequences of biparental care for begging and growth in zebra finches, Taeniopygia guttata. Animal Behaviour, 2006, 72, 123-130.	1.9	43
50	Debating Sexual Selection and Mating Strategies. Science, 2006, 312, 689b-697b.	12.6	25
51	Trinucleotide microsatellite loci in the yellow dung fly Scathophaga stercoraria (Diptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	1.7	2
52	Male house sparrows deliver more food to experimentally subsidized offspring. Animal Behaviour, 2005, 70, 225-236.	1.9	35
53	Male â€œMixedâ€•Reproductive Strategies in Biparental Species: Trivers Was Probably Right, but Why?. American Naturalist, 2005, 165, 95-106.	2.1	5
54	Sperm competition, mating rate and the evolution of testis and ejaculate sizes: a population model. Biology Letters, 2005, 1, 235-238.	2.3	132

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55	Parental investment and family dynamics: interactions between theory and empirical tests. Population Ecology, 2004, 46, 231-241.	1.2	69
56	Sperm competition games: sperm selection by females. Journal of Theoretical Biology, 2003, 224, 27-42.	1.7	64
57	Optimal growth strategies of larval helminths in their intermediate hosts. Journal of Evolutionary Biology, 2003, 16, 47-54.	1.7	70
58	Evolution of complex life cycles in helminth parasites. Nature, 2003, 425, 480-484.	27.8	172
59	Life history consequences of mammal sibling rivalry. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 12932-12937.	7.1	50
60	Biparental care in house sparrows: negotiation or sealed bid?. Behavioral Ecology, 2002, 13, 713-721.	2.2	116
61	Intrafamilial conflict and parental investment: a synthesis. Philosophical Transactions of the Royal Society B: Biological Sciences, 2002, 357, 295-307.	4.0	281
62	The evolution of anisogamy: a game-theoretic approach. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 2381-2388.	2.6	99
63	Sperm competition, male prudence and sperm-limited females. Trends in Ecology and Evolution, 2002, 17, 313-320.	8.7	1,029
64	Survival and anisogamy. Trends in Ecology and Evolution, 2002, 17, 357-358.	8.7	25
65	Begging for control: when are offspring solicitation behaviours honest?. Trends in Ecology and Evolution, 2002, 17, 434-440.	8.7	256
66	Begging scrambles with unequal chicks: interactions between need and competitive ability. Ecology Letters, 2002, 5, 206-215.	6.4	128
67	Sexual conflict reduces offspring fitness in zebra finches. Nature, 2002, 416, 733-736.	27.8	157
68	Sperm Competition Games: A Comparison of Loaded Raffle Models and their Biological Implications. Journal of Theoretical Biology, 2000, 206, 487-506.	1.7	36
69	Sperm competition games between related males. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 1027-1032.	2.6	27
70	â€˜Sloppyâ€™ sperm mixing and intraspecific variation in sperm precedence (P2) patterns. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 2537-2542.	2.6	31
71	Spermicide by females: what should males do?. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 1759-1763.	2.6	40
72	Scramble in behaviour and ecology. Philosophical Transactions of the Royal Society B: Biological Sciences, 2000, 355, 1637-1645.	4.0	41

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73	Sibling competition and the evolution of growth rates in birds. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 923-932.	2.6	86
74	Parentâ€"offspring conflict: the fullâ€"sibâ€"halfâ€"sib fallacy. Proceedings of the Royal Society B: Biological Sciences, 1999, 266, 1637-1643.	2.6	39
75	Optimal copula duration in yellow dung flies: effects of female size and egg content. Animal Behaviour, 1999, 57, 795-805.	1.9	66
76	Sperm Displacement in the Yellow Dung Fly,Scatophaga stercoraria: An Investigation of Male and Female Processes. American Naturalist, 1999, 153, 302-314.	2.1	108
77	Siblicide, family conflict and the evolutionary limits of selfishness. Animal Behaviour, 1998, 56, 1-10.	1.9	130
78	Sperm morphometry in the Atlantic salmon. Journal of Fish Biology, 1998, 53, 835-840.	1.6	45
79	Sperm Competition Games: a General Approach to Risk Assessment. Journal of Theoretical Biology, 1998, 194, 251-262.	1.7	27
80	Interference with ideal free models. Trends in Ecology and Evolution, 1998, 13, 410.	8.7	10
81	Information asymmetries among males: implications for fertilization success in the thirteenâ€"lined ground squirrel. Proceedings of the Royal Society B: Biological Sciences, 1998, 265, 1861-1865.	2.6	13
82	Sexual conflict and speciation. Philosophical Transactions of the Royal Society B: Biological Sciences, 1998, 353, 261-274.	4.0	403
83	Evolutionary sperm wars. Journal of Biological Education, 1997, 31, 167-168.	1.5	1
84	Cooperation under predation risk: experiments on costs and benefits. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 831-837.	2.6	141
85	Cooperation under predation risk: a data-based ESS analysis. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 1239-1247.	2.6	11
86	Sperm competition games: a prospective analysis of risk assessment. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 1793-1802.	2.6	333
87	Predicting variation in sperm precedence. Philosophical Transactions of the Royal Society B: Biological Sciences, 1997, 352, 771-780.	4.0	71
88	Sperm Competition in Fishes: The Evolution of Testis Size and Ejaculate Characteristics. American Naturalist, 1997, 149, 933-954.	2.1	522
89	Giant female or dwarf male spiders?. Nature, 1997, 385, 688-688.	27.8	22
90	Sperm Competition Games: Inter- and Intra-species Results of a Continuous External Fertilization Model. Journal of Theoretical Biology, 1997, 186, 459-466.	1.7	64

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91	Parental investment and the control of sexual selection: predicting the direction of sexual competition. Proceedings of the Royal Society B: Biological Sciences, 1996, 263, 315-321.	2.6	167
92	Parental investment and the control of sexual selection: can sperm competition affect the direction of sexual competition?. Proceedings of the Royal Society B: Biological Sciences, 1996, 263, 515-519.	2.6	21
93	Sperm competition games: individual assessment of sperm competition intensity by group spawners. Proceedings of the Royal Society B: Biological Sciences, 1996, 263, 1291-1297.	2.6	268
94	Female reproductive biology and the coevolution of ejaculate characteristics in fish. Proceedings of the Royal Society B: Biological Sciences, 1996, 263, 451-458.	2.6	64
95	Sperm competition or sperm selection: no evidence for female influence over paternity in yellow dung flies Scatophaga stercoraria. Behavioral Ecology and Sociobiology, 1996, 38, 199-206.	1.4	99
96	Interference and the ideal free distribution: oviposition in a parasitoid wasp. Behavioral Ecology, 1996, 7, 387-394.	2.2	21
97	Interference and the ideal free distribution: models and tests. Behavioral Ecology, 1996, 7, 379-386.	2.2	40
98	Punishment in animal societies. Nature, 1995, 373, 209-216.	27.8	923
99	Dimensionless invariants from foraging theory's marginal value theorem.. Proceedings of the National Academy of Sciences of the United States of America, 1995, 92, 1446-1450.	7.1	37
100	Sexual coercion in animal societies. Animal Behaviour, 1995, 49, 1345-1365.	1.9	746
101	Evolutionarily stable foraging speeds in feeding scrambles: a model and an experimental test. Proceedings of the Royal Society B: Biological Sciences, 1995, 260, 273-277.	2.6	30
102	Effects of alternative male mating strategies on characteristics of sperm production in the Atlantic salmon (Salmo salar): theoretical and empirical investigations. Philosophical Transactions of the Royal Society B: Biological Sciences, 1995, 350, 391-399.	4.0	226
103	Evolution of phenotypic optima and copula duration in dungflies. Nature, 1994, 370, 53-56.	27.8	153
104	Sperm competition games: sperm size and sperm number under adult control. Proceedings of the Royal Society B: Biological Sciences, 1993, 253, 245-254.	2.6	237
105	Sperm competition games: sperm size and number under gametic control. Proceedings of the Royal Society B: Biological Sciences, 1993, 253, 255-262.	2.6	136
106	Potential Reproductive Rates and the Operation of Sexual Selection. Quarterly Review of Biology, 1992, 67, 437-456.	0.1	744
107	The relationship between continuous input and interference models of ideal free distributions with unequal competitors. Animal Behaviour, 1992, 44, 345-355.	1.9	89
108	Marginal Value Theorem with Exploitation Time Costs: Diet, Sperm Reserves, and Optimal Copula Duration in Dung Flies. American Naturalist, 1992, 139, 1237-1256.	2.1	44

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109	The evolution of sexual size dimorphism in fish*. Journal of Fish Biology, 1992, 41, 1-20.	1.6	239
110	Sexual dimorphism and distorted sex ratios in spiders. Nature, 1992, 360, 156-159.	27.8	255
111	Optimality theory in evolutionary biology. Nature, 1990, 348, 27-33.	27.8	824
112	Hamilton's rule and conditionality. Ethology Ecology and Evolution, 1989, 1, 195-211.	1.4	21
113	Parent-offspring conflict over clutch size. Evolutionary Ecology, 1987, 1, 161-174.	1.2	47
114	Optimal Egg Size and Clutch Size: Effects of Environment and Maternal Phenotype. American Naturalist, 1986, 128, 573-592.	2.1	530
115	The logic of asymmetric contests. Animal Behaviour, 1976, 24, 159-175.	1.9	1,722
116	Assessment strategy and the evolution of fighting behaviour. Journal of Theoretical Biology, 1974, 47, 223-243.	1.7	1,975
117	The origin and evolution of gamete dimorphism and the male-female phenomenon. Journal of Theoretical Biology, 1972, 36, 529-553.	1.7	571
118	SPERM COMPETITION AND ITS EVOLUTIONARY CONSEQUENCES IN THE INSECTS. Biological Reviews, 1970, 45, 525-567.	10.4	3,184
119	Maximum gonad investment of the sexes of the broadcast-spawning sea cucumber Holothuria (Halodeima) inornata (Echinodermata: Holothuroidea). Journal of the Marine Biological Association of the United Kingdom, 0, , 1-13.	0.8	1