Andrew Pomiankowski

List of Publications by Year
in descending order

119	7,165	94433 37	62596 80
papers	citations	h-index	g-index
137	137	137	4543
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Do sexual ornaments demonstrate heightened condition-dependent expression as predicted by the handicap hypothesis?. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 771-783.	2.6	530
2	Sexual Selection and Condition-Dependent Mate Preferences. Current Biology, 2006, 16, R755-R765.	3.9	406
3	THE EVOLUTION OF COSTLY MATE PREFERENCES II. THE â€œHANDICAPâ€•PRINCIPLE. Evolution; International Journal of Organic Evolution, 1991, 45, 1431-1442.	2.3	390
4	Causes of sex ratio bias may account for unisexual sterility in hybrids: a new explanation of Haldane's rule and related phenomena.. Genetics, 1991, 128, 841-858.	2.9	348
5	The costs of choice in sexual selection. Journal of Theoretical Biology, 1987, 128, 195-218.	1.7	327
6	The Ecology and Evolutionary Dynamics of Meiotic Drive. Trends in Ecology and Evolution, 2016, 31, 315-326.	8.7	305
7	Condition-dependent signalling of genetic variation in stalk-eyed flies. Nature, 2000, 406, 186-188.	27.8	295
8	The Evolution of Costly Mate Preferences II. The 'Handicap' Principle. Evolution; International Journal of Organic Evolution, 1991, 45, 1431.	2.3	293
9	THE EVOLUTION OF COSTLY MATE PREFERENCES I. FISHER AND BIASED MUTATION. Evolution; International Journal of Organic Evolution, 1991, 45, 1422-1430.	2.3	252
10	The genetic basis of female mate preferences. Journal of Evolutionary Biology, 1995, 8, 129-171.	1.7	230
11	Continual change in mate preferences. Nature, 1995, 377, 420-422.	27.8	205
12	CONDITION DEPENDENCE OF SEXUAL ORNAMENT SIZE AND VARIATION IN THE STALK-EYED FLY CYRTODIOPSIS DALMANNI (DIPTERA: DIOPSIDAE). Evolution; International Journal of Organic Evolution, 2004, 58, 1038-1046.	2.3	192
13	THE EVOLUTION OF MATE PREFERENCES FOR MULTIPLE SEXUAL ORNAMENTS. Evolution; International Journal of Organic Evolution, 1994, 48, 853-867.	2.3	176
14	Good Parent and Good Genes Models of Handicap Evolution. Journal of Theoretical Biology, 1999, 200, 97-109.	1.7	173
15	What does sexual trait FA tell us about stress?. Trends in Ecology and Evolution, 2000, 15, 163-166.	8.7	160
16	The Evolution of Mate Preferences for Multiple Sexual Ornaments. Evolution; International Journal of Organic Evolution, 1994, 48, 853.	2.3	134
17	Runaway ornament diversity caused by Fisherian sexual selection. Proceedings of the National Academy of Sciences of the United States of America, 1998, 95, 5106-5111.	7.1	134
18	The Evolution of the Drosophila Sex-Determination Pathway. Genetics, 2004, 166, 1761-1773.	2.9	115

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19	The Evolution of Costly Mate Preferences I. Fisher and Biased Mutation. Evolution; International Journal of Organic Evolution, 1991, 45, 1422.	2.3	113
20	Size-dependent mate preference in the stalk-eyed fly Cyrtodiopsis dalmanni. Animal Behaviour, 2001, 61, 589-595.	1.9	91
21	A Bioenergetic Basis for Membrane Divergence in Archaea and Bacteria. PLoS Biology, 2014, 12, e1001926.	5.6	84
22	Fluctuating asymmetry, spot asymmetry and inbreeding depression in the sexual coloration of male guppy fish. Heredity, 1997, 79, 515-523.	2.6	78
23	Accessory gland size influences time to sexual maturity and mating frequency in the stalk-eyed fly, Cyrtodiopsis dalmanni. Behavioral Ecology, 2003, 14, 607-611.	2.2	76
24	The Evolution of Continuous Variation in Ejaculate Expenditure Strategy. American Naturalist, 2009, 174, E71-E82.	2.1	69
25	The effect of transient food stress on female mate preference in the stalkâ€"eyed flyCyrtodiopsis dalmanni. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 1239-1244.	2.6	67
26	Selection for Mitochondrial Quality Drives Evolution of the Germline. PLoS Biology, 2016, 14, e2000410.	5.6	60
27	Male sexual ornament size is positively associated with reproductive morphology and enhanced fertility in the stalk-eyed fly Teleopsis dalmanni. BMC Evolutionary Biology, 2008, 8, 236.	3.2	59
28	Membrane Proteins Are Dramatically Less Conserved than Water-Soluble Proteins across the Tree of Life. Molecular Biology and Evolution, 2016, 33, 2874-2884.	8.9	59
29	Dynamics of mitochondrial inheritance in the evolution of binary mating types and two sexes. Proceedings of the Royal Society B: Biological Sciences, 2013, 280, 20131920.	2.6	52
30	Speciation in two neotropical butterflies: extending Haldane's rule. Proceedings of the Royal Society B: Biological Sciences, 1997, 264, 845-851.	2.6	51
31	Variation in preference for a male ornament is positively associated with female eyespan in the stalk-eyed fly Diasemopsis meigenii. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 1287-1292.	2.6	51
32	Selection for mitonuclear co-adaptation could favour the evolution of two sexes. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1865-1872.	2.6	51
33	Mating-induced reduction in accessory reproductive organ size in the stalk-eyed fly Cyrtodiopsis dalmanni. BMC Evolutionary Biology, 2005, 5, 37.	3.2	49
34	Punctuated Equilibria or Gradual Evolution: Fluctuating Asymmetry and Variation in the Rate of Evolution. Journal of Theoretical Biology, 1993, 161, 359-367.	1.7	47
35	Evolution of dosage compensation under sexual selection differs between X and Z chromosomes. Nature Communications, 2015, 6, 7720.	12.8	47
36	Eyespan reflects reproductive quality in wild stalk-eyed flies. Evolutionary Ecology, 2010, 24, 83-95.	1.2	46

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37	Linked sexiness and choosiness. Trends in Ecology and Evolution, 1994, 9, 242-244.	8.7	44
38	The Evolution of X-Linked Genomic Imprinting. Genetics, 2001, 158, 1801-1809.	2.9	44
39	Resistance to natural and synthetic gene drive systems. Journal of Evolutionary Biology, 2020, 33, 1345-1360.	1.7	43
40	Male eyespan and resource ownership affect contest outcome in the stalk-eyed fly, Teleopsis dalmanni. Animal Behaviour, 2009, 78, 1213-1220.	1.9	38
41	THE EFFECTS OF SELECTION AND GENETIC DRIFT ON THE GENOMIC DISTRIBUTION OF SEXUALLY ANTAGONISTIC ALLELES. Evolution; International Journal of Organic Evolution, 2012, 66, 3743-3753.	2.3	38
42	Evolution of the human ABO polymorphism by two complementary selective pressures. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 1065-1072.	2.6	37
43	Temperature shock during development fails to increase the fluctuating asymmetry of a sexual trait in stalkâ€“eyed flies. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 1503-1510.	2.6	35
44	Measurement bias and fluctuating asymmetry estimates. Animal Behaviour, 1999, 57, 251-253.	1.9	34
45	Which Way to Manipulate Host Reproduction?WolbachiaThat Cause Cytoplasmic Incompatibility Are Easily Invaded by Sex Ratioâ€“Distorting Mutants. American Naturalist, 2002, 160, 360-373.	2.1	33
46	Male mate preference for female eyespan and fecundity in the stalk-eyed fly, Teleopsis dalmanni. Behavioral Ecology, 2015, 26, 376-385.	2.2	33
47	Low cost of reproduction in female stalk-eyed flies, Cyrtodiopsis dalmanni. Journal of Insect Physiology, 2004, 50, 103-108.	2.0	32
48	Novel variation associated with species range expansion. BMC Evolutionary Biology, 2010, 10, 382.	3.2	31
49	The Evolution of the Drosophila Sex-Determination Pathway. Genetics, 2004, 166, 1761-1773.	2.9	31
50	ESS gene expression of X-linked imprinted genes subject to sexual selection. Journal of Theoretical Biology, 2006, 241, 81-93.	1.7	29
51	SIGNALING EFFICACY DRIVES THE EVOLUTION OF LARGER SEXUAL ORNAMENTS BY SEXUAL SELECTION. Evolution; International Journal of Organic Evolution, 2014, 68, 216-229.	2.3	27
52	The origin of heredity in protocells. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160419.	4.0	26
53	Maintaining mendelism: Might prevention be better than cure?. BioEssays, 1991, 13, 489-490.	2.5	25
54	Male genes: X-pelled or X-cluded?. BioEssays, 2003, 25, 739-741.	2.5	25

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55	Gamete signalling underlies the evolution of mating types and their number. Philosophical Transactions of the Royal Society B: Biological Sciences, 2016, 371, 20150531.	4.0	25
56	Stalk-eyed flies. Current Biology, 2005, 15, R533-R535.	3.9	23
57	Ejaculate sperm number compensation in stalk-eyed flies carrying a selfish meiotic drive element. Heredity, 2019, 122, 916-926.	2.6	23
58	Using large-scale perturbations in gene network reconstruction. BMC Bioinformatics, 2005, 6, 11.	2.6	22
59	SEXUAL TRAITS ARE SENSITIVE TO GENETIC STRESS AND PREDICT EXTINCTION RISK IN THE STALKâ€EYED FLY, DIASEMOPSIS MEIGENII. Evolution; International Journal of Organic Evolution, 2013, 67, 2662-2673.	2.3	22
60	Cellâ€“cell signalling in sexual chemotaxis: a basis for gametic differentiation, mating types and sexes. Journal of the Royal Society Interface, 2015, 12, 20150342.	3.4	22
61	Meiotic drive reduces egg-to-adult viability in stalk-eyed flies. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191414.	2.6	22
62	Symmetry is in the eye of the beholder. Trends in Ecology and Evolution, 1994, 9, 201-202.	8.7	20
63	Driving sexual preference. Trends in Ecology and Evolution, 1999, 14, 425-426.	8.7	20
64	Differential regulation drives plasticity in sex determination gene networks. BMC Evolutionary Biology, 2010, 10, 388.	3.2	19
65	The influence of male and female eyespan on fertility in the stalk-eyed fly, Cyrtodiopsis dalmanni. Animal Behaviour, 2006, 72, 1363-1369.	1.9	18
66	The evolutionary potential of the Drosophila sex determination gene network. Journal of Theoretical Biology, 2003, 225, 461-468.	1.7	17
67	Highly variable sperm precedence in the stalk-eyed fly, Teleopsis dalmanni. BMC Evolutionary Biology, 2006, 6, 53.	3.2	17
68	The evolution of mating type switching. Evolution; International Journal of Organic Evolution, 2016, 70, 1569-1581.	2.3	17
69	Sexual conflict explains the extraordinary diversity of mechanisms regulating mitochondrial inheritance. BMC Biology, 2017, 15, 94.	3.8	17
70	Maintenance of Fertility in the Face of Meiotic Drive. American Naturalist, 2020, 195, 743-751.	2.1	17
71	Female choice for spot asymmetry in the Trinidadian guppy. Animal Behaviour, 1997, 54, 1523-1530.	1.9	16
72	Fixed and dilutable benefits: female choice for good genes or fertility. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 334-340.	2.6	16

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73	Molecular evolution of Drosophila Sex-lethal and related sex determining genes. BMC Evolutionary Biology, 2012, 12, 5.	3.2	16
74	Ejaculate investment and attractiveness in the stalkâ€eyed fly, <i><scp>D</scp>iasemopsis meigenii</i>. Ecology and Evolution, 2013, 3, 1529-1538.	1.9	16
75	Retaliatory cuckoos and the evolution of host resistance to brood parasites. Animal Behaviour, 1999, 58, 817-824.	1.9	14
76	Fate map of the eye-antennal imaginal disc in the stalk-eyed fly Cyrtodiopsis dalmanni. Development Genes and Evolution, 2002, 212, 38-42.	0.9	14
77	THE HANDICAP PROCESS FAVORS EXAGGERATED, RATHER THAN REDUCED, SEXUAL ORNAMENTS. Evolution; International Journal of Organic Evolution, 2014, 68, 2534-2549.	2.3	14
78	Conservation of the expression of Dll, en, and wg in the eye-antennal imaginal disc of stalk-eyed flies. Evolution & Development, 2001, 3, 408-414.	2.0	13
79	Expression of defective proventriculus during head capsule development is conserved in Drosophila and stalk-eyed flies (Diopsidae). Development Genes and Evolution, 2005, 215, 402-409.	0.9	13
80	The Evolution of Cytoplasmic Incompatibility Types: Integrating Segregation, Inbreeding and Outbreeding. Genetics, 2006, 172, 2601-2611.	2.9	13
81	Under-Dominance Constrains the Evolution of Negative Autoregulation in Diploids. PLoS Computational Biology, 2013, 9, e1002992.	3.2	13
82	Siberian mice upset Mendel. Nature, 1993, 363, 396-397.	27.8	12
83	Swordplay and sensory bias. Nature, 1994, 368, 494-495.	27.8	12
84	The need for high-quality oocyte mitochondria at extreme ploidy dictates mammalian germline development. ELife, 2021, 10, .	6.0	12
85	Degree dependence in rates of transcription factor evolution explains the unusual structure of transcription networks. Proceedings of the Royal Society B: Biological Sciences, 2009, 276, 2493-2501.	2.6	11
86	Variation in the benefits of multiple mating on female fertility in wild stalkâ€eyed flies. Ecology and Evolution, 2017, 7, 10103-10115.	1.9	11
87	Limits to environmental masking of genetic quality in sexual signals. Journal of Evolutionary Biology, 2019, 32, 868-877.	1.7	11
88	A morphological and molecular description of a new Teleopsis species (Diptera: Diopsidae) from Thailand. Zootaxa, 2007, 1620, 37-51.	0.5	10
89	Sexual Selection: Does Condition Dependence Fail to Resolve the â€˜Lek Paradoxâ€™?. Current Biology, 2007, 17, R335-R337.	3.9	10
90	Genome expansion in early eukaryotes drove the transition from lateral gene transfer to meiotic sex. ELife, 2020, 9, .	6.0	10

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91	Haldane's rule: old theories are the best. Trends in Ecology and Evolution, 1995, 10, 350-351.	8.7	9
92	The costs and benefits of high early mating rates in male stalk-eyed flies, Cyrtodiopsis dalmanni. Journal of Insect Physiology, 2005, 51, 1165-1171.	2.0	9
93	The complexity of mating decisions in stalkâ€eyed flies. Ecology and Evolution, 2017, 7, 6659-6668.	1.9	9
94	Peg3 and the Conflict Hypothesis. Science, 2000, 287, 1167a-1167.	12.6	8
95	Size and competitive mating success in the yeast Saccharomyces cerevisiae. Behavioral Ecology, 2014, 25, 320-327.	2.2	8
96	X-linked meiotic drive can boost population size and persistence. Genetics, 2021, 217, 1-11.	2.9	8
97	Sexual selection and MHC genes. Nature, 1992, 356, 293-294.	27.8	7
98	Reply from T. Bjorksten, K. Fowler and A. Pomiankowski. Trends in Ecology and Evolution, 2000, 15, 331.	8.7	7
99	Reply from A. Pomiankowski and L. Sheridan. Trends in Ecology and Evolution, 1994, 9, 343.	8.7	6
100	Assigning sex to pre-adult stalk-eyed flies using genital disc morphology and X chromosome zygosity. BMC Developmental Biology, 2006, 6, 29.	2.1	6
101	Jumping and Grasping: Universal Locking Mechanisms in Insect Legs. Insect Systematics and Diversity, 2019, 3, .	1.7	6
102	Reply from M. Brookes and A. Pomiankowski. Trends in Ecology and Evolution, 1994, 9, 440.	8.7	5
103	CONDITION DEPENDENCE OF SEXUAL ORNAMENT SIZE AND VARIATION IN THE STALK-EYED FLY CYRTODIOPSIS DALMANNI (DIPTERA: DIOPSIDAE). Evolution; International Journal of Organic Evolution, 2004, 58, 1038.	2.3	5
104	Speciation events. Nature, 1992, 359, 781-781.	27.8	4
105	How does mate choice contribute to exaggeration and diversity in sexual characters?. , 2001, , 203-220.		4
106	Evolution: Love thy Neighbour. Current Biology, 2004, 14, R419-R421.	3.9	4
107	The population genetics of cooperative gene regulation. BMC Evolutionary Biology, 2012, 12, 173.	3.2	3
108	Mate Value. , 2018, , 1-8.		3

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109	Evolution of asymmetric gamete signaling and suppressed recombination at the mating type locus. ELife, 2019, 8, .	6.0	3
110	Mating success in male pheasants. Nature, 1989, 337, 696-696.	27.8	2
111	Why promiscuity pays. Nature, 2011, 479, 184-185.	27.8	2
112	Evolution: Sex or Survival. Current Biology, 2013, 23, R1041-R1043.	3.9	2
113	Sexual selection: Large sex combs signal male triumph in sperm competition. Current Biology, 2021, 31, R478-R481.	3.9	2
114	Meiotic drive does not cause conditionâ€dependent reduction of the sexual ornament in stalkâ€eyed flies. Journal of Evolutionary Biology, 2021, 34, 736-745.	1.7	2
115	Sexual selection: Rebels with a cause. Current Biology, 1997, 7, R92-R93.	3.9	1
116	Mutation, Selection and the Heritability of Complex Traits. Novartis Foundation Symposium, 2008, 233, 228-242.	1.1	1
117	Sexual Selection: The Importance of Long-Term Fitness Measures. Current Biology, 2005, 15, R334-R336.	3.9	0
118	The First Mitochondrial Genomics and Evolution SMBE-Satellite Meeting: A New Scientific Symbiosis. Genome Biology and Evolution, 2017, 9, 3054-3058.	2.5	0
119	Does meiotic drive alter male mate preference?. Behavioral Ecology, 0, , .	2.2	0