Adam G Jones

List of Publications by Year in descending order

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111 papers	7,375 citations	50170 46 h-index	60497 81 g-index
112 all docs	112 docs citations	112 times ranked	5528 citing authors

#	Article	IF	Citations
1	Methods of parentage analysis in natural populations. Molecular Ecology, 2003, 12, 2511-2523.	2.0	525
2	The adaptive landscape as a conceptual bridge between micro- and macroevolution. Genetica, 2001, 112/113, 9-32.	0.5	440
3	A practical guide to methods of parentage analysis. Molecular Ecology Resources, 2010, 10, 6-30.	2.2	386
4	UNDERSTANDING THE EVOLUTION AND STABILITY OF THE G-MATRIX. Evolution; International Journal of Organic Evolution, 2008, 62, 2451-2461.	1.1	356
5	gerud 2.0: a computer program for the reconstruction of parental genotypes from half-sib progeny arrays with known or unknown parents. Molecular Ecology Notes, 2005, 5, 708-711.	1.7	315
6	Mate choice and sexual selection: What have we learned since Darwin?. Proceedings of the National Academy of Sciences of the United States of America, 2009, 106, 10001-10008.	3.3	243
7	STABILITY OF THE G-MATRIX IN A POPULATION EXPERIENCING PLEIOTROPIC MUTATION, STABILIZING SELECTION, AND GENETIC DRIFT. Evolution; International Journal of Organic Evolution, 2003, 57, 1747-1760.	1.1	242
8	Genetic Mating Systems and Reproductive Natural Histories of Fishes: Lessons for Ecology and Evolution. Annual Review of Genetics, 2002, 36, 19-45.	3.2	232
9	ON THE OPPORTUNITY FOR SEXUAL SELECTION, THE BATEMAN GRADIENT AND THE MAXIMUM INTENSITY OF SEXUAL SELECTION. Evolution; International Journal of Organic Evolution, 2009, 63, 1673-1684.	1.1	203
10	The Bateman gradient and the cause of sexual selection in a sexâ€“roleâ€“reversed pipefish. Proceedings of the Royal Society B: Biological Sciences, 2000, 267, 677-680.	1.2	175
11	EVOLUTION AND STABILITY OF THE G-MATRIX ON A LANDSCAPE WITH A MOVING OPTIMUM. Evolution; International Journal of Organic Evolution, 2004, 58, 1639-1654.	1.1	167
12	THE MUTATION MATRIX AND THE EVOLUTION OF EVOLVABILITY. Evolution; International Journal of Organic Evolution, 2007, 61, 727-745.	1.1	163
13	Microsatellite analysis of maternity and the mating system in the Gulf pipefish Syngnathus scovelli , a species with male pregnancy and sexâ€role reversal. Molecular Ecology, 1997, 6, 203-213.	2.0	147
14	How cuckoldry can decrease the opportunity for sexual selection: Data and theory from a genetic parentage analysis of the sand goby, Pomatoschistus minutus. Proceedings of the National Academy of Sciences of the United States of America, 2001, 98, 9151-9156.	3.3	146
15	The future of parentage analysis: From microsatellites to SNPs and beyond. Molecular Ecology, 2019, 28, 544-567.	2.0	131
16	Mating Systems and Sexual Selection in Male-Pregnant Pipefishes and Seahorses: Insights from Microsatellite-Based Studies of Maternity. , 2001, 92, 150-158.		124
17	Validation of Bateman's principles: a genetic study of sexual selection and mating patterns in the roughâ€skinned newt. Proceedings of the Royal Society B: Biological Sciences, 2002, 269, 2533-2539.	1.2	110
18	The genetic mating system of a sex-role-reversed pipefish (Syngnathus typhle): a molecular inquiry. Behavioral Ecology and Sociobiology, 1999, 46, 357-365.	0.6	107

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19	The opportunity for sexual selection: not mismeasured, just misunderstood. Journal of Evolutionary Biology, 2011, 24, 2064-2071.	0.8	104
20	Monogamous pair bonds and mate switching in the Western Australian seahorse Hippocampus subelongatus. Journal of Evolutionary Biology, 2000, 13, 882-888.	0.8	103
21	Patterns of multiple paternity and maternity in fishes. Biological Journal of the Linnean Society, 2011, 103, 735-760.	0.7	103
22	Microsatellite evidence for monogamy and sexâ€biased recombination in the Western Australian seahorseHippocampus angustus. Molecular Ecology, 1998, 7, 1497-1505.	2.0	102
23	Epistasis and natural selection shape the mutational architecture of complex traits. Nature Communications, 2014, 5, 3709.	5.8	100
24	Microsatellite assessment of multiple paternity in natural populations of a liveâ€bearing fish,Gambusia holbrooki. Journal of Evolutionary Biology, 1999, 12, 61-69.	0.8	93
25	gerud1.0: a computer program for the reconstruction of parental genotypes from progeny arrays using multilocus DNA data. Molecular Ecology Notes, 2001, 1, 215-218.	1.7	86
26	Post-copulatory sexual selection and sexual conflict in the evolution of male pregnancy. Nature, 2010, 464, 401-404.	13.7	81
27	Sympatric speciation as a consequence of male pregnancy in seahorses. Proceedings of the National Academy of Sciences of the United States of America, 2003, 100, 6598-6603.	3.3	80
28	The Measurement of Sexual Selection Using Bateman's Principles: An Experimental Test in the Sex-Role-Reversed Pipefish Syngnathus typhle. Integrative and Comparative Biology, 2005, 45, 874-884.	0.9	80
29	Genetic evidence for extreme polyandry and extraordinary sex-role reversal in a pipefish. Proceedings of the Royal Society B: Biological Sciences, 2001, 268, 2531-2535.	1.2	79
30	The adaptive landscape as a conceptual bridge between micro- and macroevolution. Contemporary Issues in Genetics and Evolution, 2001, , 9-32.	0.9	77
31	Brief communication. The molecular basis of a microsatellite null allele from the white sands pupfish. Journal of Heredity, 1998, 89, 339-342.	1.0	73
32	Surprising similarity of sneaking rates and genetic mating patterns in two populations of sand goby experiencing disparate sexual selection regimes. Molecular Ecology, 2001, 10, 461-469.	2.0	69
33	Molecular Parentage Analysis in Experimental Newt Populations: The Response of Mating System Measures to Variation in the Operational Sex Ratio. American Naturalist, 2004, 164, 444-456.	1.0	69
34	POLYGYNANDRY IN THE DUSKY PIPEFISHSYNGNATHUS FLORIDAEREVEALED BY MICROSATELLITE DNA MARKERS. Evolution; International Journal of Organic Evolution, 1997, 51, 1611-1622.	1.1	68
35	Constraints on the FSTâ€“Heterozygosity Outlier Approach. Journal of Heredity, 2017, 108, 561-573.	1.0	67
36	Clustered Microsatellite Mutations in the Pipefish Syngnathus typhle. Genetics, 1999, 152, 1057-1063.	1.2	63

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37	Geographical variation in the mating system of the dusky pipefish (Syngnathus floridae). Molecular Ecology, 2007, 16, 2596-2606.	2.0	61
38	Short-term exposure to a synthetic estrogen disrupts mating dynamics in a pipefish. Hormones and Behavior, 2010, 58, 800-807.	1.0	58
39	Multiple paternity in a natural population of a salamander with long-term sperm storage. Molecular Ecology, 2005, 14, 1803-1810.	2.0	56
40	Topping off: A mechanism of first-male sperm precedence in a vertebrate. Proceedings of the National Academy of Sciences of the United States of America, 2002, 99, 2078-2081.	3.3	55
41	An analysis of selection on a colour polymorphism in the northern leopard frog. Molecular Ecology, 2006, 15, 2627-2641.	2.0	55
42	Genetic structure in the coral-reef-associated Banggai cardinalfish, Pterapogon kauderni. Molecular Ecology, 2005, 14, 1367-1375.	2.0	54
43	Group stability and homing behavior but no kin group structures in a coral reef fish. Behavioral Ecology, 2005, 16, 521-527.	1.0	53
44	A MICROSATELLITE ASSESSMENT OF SNEAKED FERTILIZATIONS AND EGG THIEVERY IN THE FIFTEENSPINE STICKLEBACK. Evolution; International Journal of Organic Evolution, 1998, 52, 848-858.	1.1	52
45	The effects of stochastic and episodic movement of the optimum on the evolution of the <scp>G</scp>â€matrix and the response of the trait mean to selection. Journal of Evolutionary Biology, 2012, 25, 2210-2231.	0.8	52
46	Environmental, demographic, and genetic mating system variation among five geographically distinct dusky pipefish (Syngnathus floridae) populations. Molecular Ecology, 2009, 18, 1476-1490.	2.0	50
47	Evidence of paternal nutrient provisioning to embryos in broadâ€nosed pipefish Syngnathus typhle. Journal of Fish Biology, 2011, 78, 1725-1737.	0.7	50
48	Sexually selected females in the monogamous Western Australian seahorse. Proceedings of the Royal Society B: Biological Sciences, 2007, 274, 521-525.	1.2	48
49	The genetic mating system and tests for cuckoldry in a pipefish species in which males fertilize eggs and brood offspring externally. Molecular Ecology, 2001, 10, 1793-1800.	2.0	46
50	Evidence for fine-scale genetic structure and estuarine colonisation in a potential high gene flow marine goby (Pomatoschistus minutus). Heredity, 2004, 92, 434-445.	1.2	42
51	Reproductive compensation in broad-nosed pipefish females. Proceedings of the Royal Society B: Biological Sciences, 2010, 277, 1581-1587.	1.2	41
52	The genetics and genomics of Syngnathidae: pipefishes, seahorses and seadragons. Journal of Fish Biology, 2011, 78, 1624-1646.	0.7	39
53	The Contributions of Premating and Postmating Selection Episodes to Total Selection in Sex-Role-Reversed Gulf Pipefish. American Naturalist, 2013, 182, 410-420.	1.0	39
54	Polygynandry in the Dusky Pipefish Syngnathus floridae Revealed by Microsatellite DNA Markers. Evolution; International Journal of Organic Evolution, 1997, 51, 1611.	1.1	36

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55	Genetic evidence for two evolutionarily significant units of White Sands pupfish. Animal Conservation, 1998, 1, 213-225.	1.5	35
56	Gene cooption without duplication during the evolution of a male-pregnancy gene in pipefish. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 19407-19412.	3.3	34
57	Sexual selection on female ornaments in the sexâ€roleâ€reversed <scp>G</scp>ulf pipefish (<scp>S</scp>yngnathus scovelli). Journal of Evolutionary Biology, 2014, 27, 2457-2467.	0.8	33
58	Genomeâ€wide selection components analysis in a fish with male pregnancy. Evolution; International Journal of Organic Evolution, 2017, 71, 1096-1105.	1.1	32
59	Mate quality influences multiple maternity in the sex-role-reversed pipefish Syngnathus typhle. Oikos, 2000, 90, 321-326.	1.2	31
60	The effects of synthetic estrogen exposure on premating and postmating episodes of selection in sexâ€roleâ€reversed <scp>G</scp>ulf pipefish. Evolutionary Applications, 2013, 6, 1160-1170.	1.5	31
61	A theoretical quantitative genetic study of negative ecological interactions and extinction times in changing environments. BMC Evolutionary Biology, 2008, 8, 119.	3.2	28
62	Population structure of the dusky pipefish (Syngnathus floridae) from the Atlantic and Gulf of Mexico, as revealed by mitochondrial DNA and microsatellite analyses. Journal of Biogeography, 2010, 37, 1363-1377.	1.4	28
63	Multiple mating and a low incidence of cuckoldry for nest-holding males in the two-spotted goby, Gobiusculus flavescens. BMC Evolutionary Biology, 2009, 9, 6.	3.2	27
64	OVERCOMING STATISTICAL BIAS TO ESTIMATE GENETIC MATING SYSTEMS IN OPEN POPULATIONS: A COMPARISON OF BATEMAN'S PRINCIPLES BETWEEN THE SEXES IN A SEX-ROLE-REVERSED PIPEFISH. Evolution; International Journal of Organic Evolution, 2013, 67, 646-660.	1.1	26
65	A Microsatellite Assessment of Sneaked Fertilizations and Egg Thievery in the Fifteenspine Stickleback. Evolution; International Journal of Organic Evolution, 1998, 52, 848.	1.1	22
66	Substantial differences in bias between singleâ€digest and doubleâ€digest RADâ€seq libraries: A case study. Molecular Ecology Resources, 2018, 18, 264-280.	2.2	22
67	Sex roles and the evolution of parental care specialization. Proceedings of the Royal Society B: Biological Sciences, 2019, 286, 20191312.	1.2	22
68	The effect of perceived female parasite load on post-copulatory male choice in a sex-role-reversed pipefish. Behavioral Ecology and Sociobiology, 2009, 63, 345-354.	0.6	19
69	The effect of maternal body size on embryo survivorship in the broods of pregnant male pipefish. Behavioral Ecology and Sociobiology, 2011, 65, 1169-1177.	0.6	19
70	Genetic Evidence for Monogamy in the Dwarf Seahorse,Hippocampus zosterae. Journal of Heredity, 2014, 105, 922-927.	1.0	18
71	Sex Recognition via Chemical Cues in the Sexâ€Roleâ€Reversed Gulf Pipefish (Syngnathus scovelli). Ethology, 2009, 115, 339-346.	0.5	17
72	Population genomics reveals multiple drivers of population differentiation in a sexâ€roleâ€reversed pipefish. Molecular Ecology, 2016, 25, 5043-5072.	2.0	17

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73	The 150th anniversary ofThe Descent of Man: Darwin and the impact of sex-role reversal on sexual selection research. Biological Journal of the Linnean Society, 2021, 134, 525-540.	0.7	17
74	No evidence for sizeâ€assortative mating in the wild despite mutual mate choice in sexâ€roleâ€reversed pipefishes. Ecology and Evolution, 2014, 4, 67-78.	0.8	16
75	Parabolic variation in sexual selection intensity across the range of a coldâ€water pipefish: implications for susceptibility to climate change. Global Change Biology, 2017, 23, 3600-3609.	4.2	16
76	Fisher's lost model of runaway sexual selection. Evolution; International Journal of Organic Evolution, 2020, 74, 487-494.	1.1	16
77	Quantifying the causal pathways contributing to natural selection. Evolution; International Journal of Organic Evolution, 2020, 74, 2560-2574.	1.1	16
78	Sea Turtles: Old Viruses and New Tricks. Current Biology, 2004, 14, R842-R843.	1.8	15
79	The Effects of Synthetic Estrogen Exposure on the Sexually Dimorphic Liver Transcriptome of the Sex-Role-Reversed Gulf Pipefish. PLoS ONE, 2015, 10, e0139401.	1.1	15
80	Genetic variation in two populations of the rough-skinned newt (Taricha granulosa) assessed using novel tetranucleotide microsatellite loci. Molecular Ecology Notes, 2001, 1, 293-296.	1.7	14
81	Functional similarity and molecular divergence of a novel reproductive transcriptome in two maleâ€pregnant Syngnathus pipefish species. Ecology and Evolution, 2013, 3, 4092-4108.	0.8	14
82	Validating the use of colouration patterns for individual recognition in the worm pipefish using a novel set of microsatellite markers. Molecular Ecology Resources, 2014, 14, 150-156.	2.2	13
83	The lek mating system of the worm pipefish (Nerophis lumbriciformis): a molecular maternity analysis and test of the phenotypeâ€linked fertility hypothesis. Molecular Ecology, 2017, 26, 1371-1385.	2.0	13
84	THE EVOLUTION OF ALTERNATIVE CRYPTIC FEMALE CHOICE STRATEGIES IN AGE-STRUCTURED POPULATIONS. Evolution; International Journal of Organic Evolution, 2002, 56, 2530-2536.	1.1	12
85	The Role of Courtship Behavior and Size in Mate Preference in the Sexâ€Roleâ€Reversed <scp>G</scp>ulf Pipefish, <scp>S</scp>yngnathus scovelli. Ethology, 2013, 119, 692-701.	0.5	12
86	<scp>batemanater</scp>: a computer program to estimate and bootstrap mating system variables based on Bateman's principles. Molecular Ecology Resources, 2015, 15, 1396-1402.	2.2	11
87	The Estrogen-Responsive Transcriptome of Female Secondary Sexual Traits in the Gulf Pipefish. Journal of Heredity, 2020, 111, 294-306.	1.0	11
88	MALE PREGNANCY AND THE EVOLUTION OF BODY SEGMENTATION IN SEAHORSES AND PIPEFISHES. Evolution; International Journal of Organic Evolution, 2006, 60, 404-410.	1.1	10
89	Reproductive Isolation, Reproductive Mode, and Sexual Selection: Empirical Tests of the Viviparityâ€Driven Conflict Hypothesis. American Naturalist, 2009, 173, 291-303.	1.0	10
90	Multiple Mating and Reproductive Skew in Parental and Introgressed Females of the Live-Bearing Fish Xiphophorus Birchmanni. Journal of Heredity, 2015, 106, 57-66.	1.0	10

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91	The Effects of Food Limitation on Life History Tradeoffs in Pregnant Male Gulf Pipefish. PLoS ONE, 2015, 10, e0124147.	1.1	8
92	Choosy Gulf pipefish males ignore age but prefer active females with deeply keeled bodies. Animal Behaviour, 2019, 155, 37-44.	0.8	7
93	Eleven polymorphic microsatellite loci in a coral reef fish, Pterapogon kauderni. Molecular Ecology Notes, 2004, 4, 342-344.	1.7	6
94	A DNA-Based Assessment of the Phylogenetic Position of a Morphologically Distinct, Anchialine-Lake-Restricted Seahorse. Journal of Heredity, 2016, 107, 553-558.	1.0	6
95	<scp>erefinder</scp>: Genomeâ€wide detection of oestrogen response elements. Molecular Ecology Resources, 2019, 19, 1366-1373.	2.2	6
96	Population Structure of the Gulf Pipefish in and around Mobile Bay and the Northern Gulf of Mexico. Journal of Heredity, 2012, 103, 821-830.	1.0	5
97	Bateman Gradient. , 2019, , 1-4.		5
98	Male pregnancy. Current Biology, 2003, 13, R791.	1.8	4
99	Identifying signatures of sexual selection using genomewide selection components analysis. Ecology and Evolution, 2015, 5, 2722-2744.	0.8	4
100	Effects of mating order and male size on embryo survival in a pipefish. Biological Journal of the Linnean Society, 2015, 114, 639-645.	0.7	4
101	The population genomics of repeated freshwater colonizations by Gulf pipefish. Molecular Ecology, 2021, 30, 1672-1687.	2.0	4
102	A low rate of multiple maternity for pregnant male northern pipefish Syngnathus fuscus. Journal of Fish Biology, 2016, 88, 1614-1619.	0.7	3
103	The Effects of Epistasis and Pleiotropy on Genome-Wide Scans for Adaptive Outlier Loci. Journal of Heredity, 2019, 110, 494-513.	1.0	3
104	Genetic evidence for two evolutionarily significant units of White Sands pupfish. , 1998, 1, 213.		3
105	The relationship between sexual dimorphism and androgen response element proliferation in primate genomes. Evolution; International Journal of Organic Evolution, 2022, , .	1.1	3
106	MALE PREGNANCY AND THE EVOLUTION OF BODY SEGMENTATION IN SEAHORSES AND PIPEFISHES. Evolution; International Journal of Organic Evolution, 2006, 60, 404.	1.1	2
107	Mate quality and the temporal dynamics of breeding in a sex-role-reversed pipefish, S. typhle. Behavioral Ecology and Sociobiology, 2017, 71, 1.	0.6	2
108	Home range use in the West Australian seahorse Hippocampus subelongatus is influenced by sex and partnerâ€™s home range but not by body size or paired status. Journal of Ethology, 2021, 39, 235-248.	0.4	2

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109	Paczolt & Jones reply. Nature, 2010, 466, E12-E12.	13.7	0
110	The G-matrix Simulator Family: Software for Research and Teaching. Journal of Heredity, 2018, 109, 825-829.	1.0	0
111	Bateman Gradient. , 2022, , 630-633.		0