

Adam J Stow

List of Publications by Year in descending order

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Version: 2024-02-01

97
papers

2,206
citations

279701

23
h-index

265120

42
g-index

98
all docs

98
docs citations

98
times ranked

3040
citing authors

#	ARTICLE	IF	CITATIONS
1	The impact of habitat fragmentation on dispersal of Cunningham's skink (<i>Egernia cunninghami</i>): evidence from allelic and genotypic analyses of microsatellites. <i>Molecular Ecology</i> , 2001, 10, 867-878.	2.0	194
2	The search for loci under selection: trends, biases and progress. <i>Molecular Ecology</i> , 2018, 27, 1342-1356.	2.0	171
3	Sex and sociality in a disconnected world: a review of the impacts of habitat fragmentation on animal social interactions This review is one of a series dealing with some aspects of the impact of habitat fragmentation on animals and plants. This series is one of several virtual symposia focussing on ecological topics that will be published in the Journal from time to time.. <i>Canadian Journal of Zoology</i> , 2007, 85, 1065-1079.	0.4	103
4	Antimicrobial defences increase with sociality in bees. <i>Biology Letters</i> , 2007, 3, 422-424.	1.0	91
5	Inbreeding avoidance in Cunningham's skinks (<i>Egernia cunninghami</i>) in natural and fragmented habitat. <i>Molecular Ecology</i> , 2004, 13, 443-447.	2.0	84
6	Conservation prioritization can resolve the flagship species conundrum. <i>Nature Communications</i> , 2020, 11, 994.	5.8	80
7	High mate and site fidelity in Cunningham's skinks (<i>Egernia cunninghami</i>) in natural and fragmented habitat. <i>Molecular Ecology</i> , 2004, 13, 419-430.	2.0	76
8	Nuclear and mitochondrial DNA reveals isolation of imperilled grey nurse shark populations (<i>Carcharias taurus</i>). <i>Molecular Ecology</i> , 2009, 18, 4409-4421.	2.0	75
9	Isolation and genetic diversity of endangered grey nurse shark (<i>Carcharias taurus</i>) populations. <i>Biology Letters</i> , 2006, 2, 308-311.	1.0	64
10	Population structure of adult female Australian sea lions is driven by fine-scale foraging site fidelity. <i>Animal Behaviour</i> , 2012, 83, 691-701.	0.8	63
11	Genetic structure and signatures of selection in grey reef sharks (<i>Carcharhinus amblyrhynchos</i>). <i>Heredity</i> , 2017, 119, 142-153.	1.2	53
12	Social Barriers in Ecological Landscapes: The Social Resistance Hypothesis. <i>Trends in Ecology and Evolution</i> , 2020, 35, 137-148.	4.2	52
13	Chemical and genetic defenses against disease in insect societies. <i>Brain, Behavior, and Immunity</i> , 2008, 22, 1009-1013.	2.0	48
14	Influence of adaptive capacity on the outcome of climate change vulnerability assessment. <i>Scientific Reports</i> , 2017, 7, 12979.	1.6	47
15	Antimicrobial strength increases with group size: implications for social evolution. <i>Biology Letters</i> , 2011, 7, 249-252.	1.0	35
16	Frequency of Multiple Paternity in Gummy Shark, <i>Mustelus antarcticus</i> , and Rigg, <i>Mustelus lenticulatus</i> , and the Implications of Mate Encounter Rate, Postcopulatory Influences, and Reproductive Mode. <i>Journal of Heredity</i> , 2013, 104, 371-379.	1.0	34
17	Lizards Cooperatively Tunnel to Construct a Long-Term Home for Family Members. <i>PLoS ONE</i> , 2011, 6, e19041.	1.1	34
18	Under the weather? The direct effects of climate warming on a threatened desert lizard are mediated by their activity phase and burrow system. <i>Journal of Animal Ecology</i> , 2018, 87, 660-671.	1.3	32

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19	Fine-scale genetics of subterranean syncarids. <i>Freshwater Biology</i> , 2014, 59, 1-11.	1.2	30
20	A framework for assessing the vulnerability of species to climate change: a case study of the Australian elapid snakes. <i>Biodiversity and Conservation</i> , 2014, 23, 3019-3034.	1.2	28
21	The Value of Including Intraspecific Measures of Biodiversity in Environmental Impact Surveys is Highlighted by the Amazonian Brilliant-Thighed Frog (<i>Allobates femoralis</i>). <i>Tropical Conservation Science</i> , 2014, 7, 811-828.	0.6	28
22	Conservation status of the world's skinks (Scincidae): Taxonomic and geographic patterns in extinction risk. <i>Biological Conservation</i> , 2021, 257, 109101.	1.9	26
23	Social Complexity and Nesting Habits Are Factors in the Evolution of Antimicrobial Defences in Wasps. <i>PLoS ONE</i> , 2011, 6, e21763.	1.1	26
24	Rapid isolation of the first set of polymorphic microsatellite loci from the Australian gummy shark, <i>Mustelus antarcticus</i> and their utility across divergent shark taxa. <i>Conservation Genetics Resources</i> , 2010, 2, 393-395.	0.4	25
25	Connectivity in grey reef sharks (<i>Carcharhinus amblyrhynchos</i>) determined using empirical and simulated genetic data. <i>Scientific Reports</i> , 2015, 5, 13229.	1.6	24
26	The Costs of Evaluating Species Densities and Composition of Snakes to Assess Development Impacts in Amazonia. <i>PLoS ONE</i> , 2014, 9, e105453.	1.1	22
27	Genetic structure infers generally high philopatry and male-biased dispersal of brushtail possums (<i>Trichosurus vulpecula</i>) in urban Australia. <i>Wildlife Research</i> , 2006, 33, 409.	0.7	21
28	An enhanced miniaturized assay for antimicrobial prospecting. <i>Journal of Microbiological Methods</i> , 2008, 72, 103-106.	0.7	21
29	Keeping up with the neighbours: using a genetic measurement of dispersal and species distribution modelling to assess the impact of climate change on an Australian arid zone gecko (<i>Gehyra variegata</i>). <i>Trends in Ecology and Evolution</i> , 2011, 26, 1109-1114.	1.1	21
30	Genetic variation, multiple paternity, and measures of reproductive success in the critically endangered hawksbill turtle (<i>Chelonia mydas</i>). <i>Ecology and Evolution</i> , 2015, 5, 5758-5769.	0.8	21
31	Contrasting Patterns of Gene Flow for Amazonian Snakes That Actively Forage and Those That Wait in Ambush. <i>Journal of Heredity</i> , 2017, 108, 524-534.	1.0	21
32	Detection of environmental and morphological adaptation despite high landscape genetic connectivity in a pest grasshopper (<i>Phaulacridium vittatum</i>). <i>Molecular Ecology</i> , 2019, 28, 3395-3412.	2.0	21
33	Tree-Dwelling Populations of the Skink <i>Egernia striolata</i> Aggregate in Groups of Close Kin. <i>Copeia</i> , 2012, 2012, 130-134.	1.4	18
34	Is fire a threatening process for <i>Liopholis kintorei</i> , a nationally listed threatened skink?. <i>Wildlife Research</i> , 2015, 42, 207.	0.7	17
35	Morphological Variation Tracks Environmental Gradients in an Agricultural Pest, <i>Phaulacridium vittatum</i> (Orthoptera: Acrididae). <i>Journal of Insect Science</i> , 2018, 18, .	0.6	17
36	Fine-Scale Genetic Structure and Fire-Created Habitat Patchiness in the Australian Allodapine Bee, <i>Exoneura nigrescens</i> (Hymenoptera: Apidae). <i>Journal of Heredity</i> , 2006, 98, 60-66.	1.0	16

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37	Monogamous sperm storage and permanent worker sterility in a long-lived ambrosia beetle. <i>Nature Ecology and Evolution</i> , 2018, 2, 1009-1018.	3.4	16
38	Lack of genetic introgression between wild and selectively bred Sydney rock oysters <i>Saccostrea glomerata</i> . <i>Marine Ecology - Progress Series</i> , 2017, 570, 127-139.	0.9	16
39	Impact of habitat fragmentation on allelic diversity at microsatellite loci in Cunningham's skink (<i>Egernia cunninghami</i>); a preliminary study. <i>Conservation Genetics</i> , 2005, 6, 455-459.	0.8	15
40	Widespread Utility of Highly Informative AFLP Molecular Markers across Divergent Shark Species. <i>Journal of Heredity</i> , 2006, 97, 607-611.	1.0	15
41	Polymorphic microsatellite markers for studies of the conservation and reproductive genetics of imperilled sand tiger sharks (<i>Carcharias taurus</i>). <i>Molecular Ecology Notes</i> , 2007, 7, 1366-1368.	1.7	15
42	Genetic divergence, speciation and biogeography of <i>Mustelus</i> (sharks) in the central Indo-Pacific and Australasia. <i>Molecular Phylogenetics and Evolution</i> , 2012, 64, 697-703.	1.2	15
43	Microgeographical adaptation corresponds to elevational distributions of congeneric montane grasshoppers. <i>Molecular Ecology</i> , 2021, 30, 481-498.	2.0	15
44	Effective population size of the critically endangered east Australian grey nurse shark <i>Carcharias taurus</i> . <i>Marine Ecology - Progress Series</i> , 2019, 610, 137-148.	0.9	15
45	Different environmental gradients affect different measures of snake $\hat{\alpha}^2$ -diversity in the Amazon rainforests. <i>PeerJ</i> , 2018, 6, e5628.	0.9	15
46	Microsatellite loci from the Cunningham's Skink (<i>Egernia cunninghami</i>). <i>Molecular Ecology Notes</i> , 2002, 2, 256-257.	1.7	14
47	Genetic data show that <i>Carcharhinus tilstoni</i> is not confined to the tropics, highlighting the importance of a multifaceted approach to species identification. <i>Journal of Fish Biology</i> , 2010, 77, 1165-1172.	0.7	14
48	A multilocus comparative study of dispersal in three codistributed demersal sharks from eastern Australia. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2016, 73, 406-415.	0.7	14
49	Adult male Australian sea lion barking calls reveal clear geographical variations. <i>Animal Behaviour</i> , 2014, 97, 229-239.	0.8	13
50	Combining dispersal, landscape connectivity and habitat suitability to assess climate-induced changes in the distribution of Cunningham's skink, <i>Egernia cunninghami</i> . <i>PLoS ONE</i> , 2017, 12, e0184193.	1.1	12
51	Feeling the pressure at home: Predator activity at the burrow entrance of an endangered arid-zone skink. <i>Austral Ecology</i> , 2018, 43, 102-109.	0.7	11
52	The evolution of polymorphism in the warning coloration of the Amazonian poison frog <i>Adelphobates galactonotus</i> . <i>Heredity</i> , 2020, 124, 439-456.	1.2	11
53	Soil and forest structure predicts large-scale patterns of occurrence and local abundance of a widespread Amazonian frog. <i>PeerJ</i> , 2018, 6, e5424.	0.9	11
54	The Effectiveness of Antimicrobial Defenses Declines With Increasing Group Size and Genetic Similarity. <i>Annals of the Entomological Society of America</i> , 2013, 106, 53-58.	1.3	10

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55	Conserving coral reef organisms that lack larval dispersal: are networks of Marine Protected Areas good enough?. <i>Frontiers in Marine Science</i> , 2015, 2, .	1.2	10
56	Higher genetic diversity is associated with stable water refugia for a gecko with a wide distribution in arid Australia. <i>Diversity and Distributions</i> , 2013, 19, 1072-1083.	1.9	10
57	Fine-scale genetic structure, co-founding and multiple mating in the Australian allodapine bee (<i>Exoneura robusta</i>). <i>Journal of Zoology</i> , 2006, 270, 687-691.	0.8	9
58	Ploidy of the eusocial beetle <i>Austroplatypus incompertus</i> (Schedl) (Coleoptera, Curculionidae) and implications for the evolution of eusociality. <i>Insectes Sociaux</i> , 2009, 56, 285-288.	0.7	9
59	Molecular evidence for variation in polyandry among praying mantids (Mantodea: <i>Ciulfina</i>). <i>Journal of Zoology</i> , 2011, 284, 40-45.	0.8	9
60	Genetically defining populations is of limited use for evaluating and managing human impacts on gene flow. <i>Wildlife Research</i> , 2012, 39, 290.	0.7	9
61	The Influence of Environmental Variation on the Genetic Structure of a Poison Frog Distributed Across Continuous Amazonian Rainforest. <i>Journal of Heredity</i> , 2020, 111, 457-470.	1.0	9
62	Extent and effect of the 2019-20 Australian bushfires on upland peat swamps in the Blue Mountains, NSW. <i>International Journal of Wildland Fire</i> , 2021, 30, 294.	1.0	9
63	Shark jaws and teeth: an unexploited resource for population genetic studies. <i>Journal of Fish Biology</i> , 2008, 73, 450-455.	0.7	8
64	Genetic Divergence among Regions Containing the Vulnerable Great Desert Skink (<i>Liopholis kintorei</i>) in the Australian Arid Zone. <i>PLoS ONE</i> , 2015, 10, e0128874.	1.1	8
65	No predatory bias with respect to colour familiarity for the aposematic <i>Adelphobates galactonotus</i> (Anura: Dendrobatidae). <i>Behaviour</i> , 2015, 152, 1637-1657.	0.4	8
66	Rapid isolation and characterisation of microsatellite loci from a widespread Australian gecko, the Tree Dtella, <i>Gehyra variegata</i> . <i>Conservation Genetics Resources</i> , 2010, 2, 349-351.	0.4	7
67	Non-invasive genetic sampling of faecal material and hair from the grey-headed flying-fox (<i>Pteropus</i>) Tj ETQq1 1 0.784314 rgBT /Over	0.7	7
68	Cunningham's skinks show low genetic connectivity and signatures of divergent selection across its distribution. <i>Ecology and Evolution</i> , 2017, 7, 48-57.	0.8	7
69	Genetic structure of <i>Carcinus maenas</i> in southeast Australia. <i>Marine Ecology - Progress Series</i> , 2014, 500, 139-147.	0.9	7
70	Differential antimicrobial activity in response to the entomopathogenic fungus <i>Cordyceps</i> in six Australian bee species. <i>Australian Journal of Entomology</i> , 2010, 49, 145-149.	1.1	6
71	Levels of dispersal and tail loss in an Australian gecko (<i>Gehyra variegata</i>) are associated with differences in forest structure. <i>Australian Journal of Zoology</i> , 2011, 59, 170.	0.6	6
72	Primordial Enemies: Fungal Pathogens in Thrips Societies. <i>PLoS ONE</i> , 2012, 7, e49737.	1.1	6

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73	The Limits of Dispersal: Fine Scale Spatial Genetic Structure in Australian Sea Lions. <i>Frontiers in Marine Science</i> , 2016, 3, .	1.2	6
74	Genetic structure and effective population size of Sydney rock oysters in eastern Australia. <i>Conservation Genetics</i> , 2021, 22, 427-442.	0.8	6
75	Genetic differentiation in the threatened soft coral <i>Dendronephthya australis</i> in temperate eastern Australia. <i>Austral Ecology</i> , 2022, 47, 804-817.	0.7	6
76	Successful development of microsatellite markers in a challenging species: the horizontal borer <i>Austroplatypus incompertus</i> (Coleoptera: Curculionidae). <i>Bulletin of Entomological Research</i> , 2011, 101, 551-555.	0.5	5
77	Long-distance gene flow and habitat specificity of the rock-dwelling coppertail skink, <i>Ctenotus taeniolatus</i> . <i>Austral Ecology</i> , 2012, 37, 258-267.	0.7	5
78	Characterisation of 15 novel microsatellite loci for the grey reef shark (<i>Carcharhinus</i>) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 542 Td (amb	0.4	5
79	Isolation and characterization of microsatellite loci from the coppertail skink (<i>Ctenotus</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	2.2	4
80	Mating system and genetic structure in the paper wasp (<i>Polistes humilis</i>). <i>Australian Journal of Zoology</i> , 2009, 57, 73.	0.6	4
81	Microsatellite markers for the praying mantid <i>Ciulfina rentzi</i> (Liturgusidae). <i>Molecular Ecology Resources</i> , 2009, 9, 1480-1482.	2.2	4
82	Isolation and characterization of 11 novel microsatellite loci in a West African leaf-nosed bat, <i>Hipposideros aff. ruber</i> . <i>BMC Research Notes</i> , 2014, 7, 607.	0.6	4
83	Stock structure and effective population size of the commercially exploited gummy shark <i>Mustelus antarcticus</i> . <i>Marine Ecology - Progress Series</i> , 0, , .	0.9	4
84	Sperm Storage in a Family-Living Lizard, the Tree Skink (<i>Egernia striolata</i>). <i>Journal of Heredity</i> , 2021, 112, 526-534.	1.0	4
85	The first set of microsatellite markers developed for the ancient Parabathynellidae (Syncharida,) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 5	0.4	3
86	Characterization of 12 novel microsatellite loci and cross-amplification of four loci in the endangered Australian sea lion (<i>Neophoca cinerea</i>). <i>Conservation Genetics Resources</i> , 2013, 5, 283-285.	0.4	3
87	Geographic vocal variation and perceptual discrimination abilities in male Australian sea lions. <i>Animal Cognition</i> , 2018, 21, 235-243.	0.9	3
88	Concordant patterns of genetic, acoustic, and morphological divergence in the West African Old World leaf-nosed bats of the <i>Hipposideros caffer</i> complex. <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2021, 59, 1390-1407.	0.6	3
89	Multiple paternity in captive grey nurse sharks (<i>Carcharias taurus</i>): implications for the captive breeding of this critically endangered species. <i>Pacific Conservation Biology</i> , 2015, 21, 122.	0.5	2
90	Low effective population size in the genetically bottlenecked Australian sea lion is insufficient to maintain genetic variation. <i>Animal Conservation</i> , 2021, 24, 847.	1.5	2

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91	Predicting impacts of global climate change on intraspecific genetic diversity benefits from realistic dispersal estimates. Australian Journal of Zoology, 2013, 61, 454.	0.6	1
92	High density brood of Australian gall-inducing Acacia thrips aid in fungal control. Evolutionary Ecology, 2017, 31, 119-130.	0.5	1
93	Divided by the range: evidence for geographic isolation of the highly mobile Emu (<i>Dromaius</i>) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50	0.2	1
94	Conclusion: conservation onboard Austral Ark needs all hands on deck. , 0, , 624-627.		0
95	Population genetics informs the management of a controversial Australian waterbird. Conservation Genetics, 2021, 22, 1023.	0.8	0
96	Selection and localised genetic structure in the threatened Manauense Harlequin Frog (Bufonidae:) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	0
97	Socioecology of the Australian Tree Skink (<i>Egernia striolata</i>). Frontiers in Ecology and Evolution, 2021, 9, .	1.1	0