

Andrew Storfer

List of Publications by Year in descending order

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Version: 2024-02-01

80
papers

6,385
citations

109321

35
h-index

71685

76
g-index

82
all docs

82
docs citations

82
times ranked

7373
citing authors

#	ARTICLE	IF	CITATIONS
1	Global amphibian declines: sorting the hypotheses. <i>Diversity and Distributions</i> , 2003, 9, 89-98.	4.1	752
2	Finding the Genomic Basis of Local Adaptation: Pitfalls, Practical Solutions, and Future Directions. <i>American Naturalist</i> , 2016, 188, 379-397.	2.1	663
3	Landscape genetics: where are we now?. <i>Molecular Ecology</i> , 2010, 19, 3496-3514.	3.9	480
4	Quantifying <i>Bufo boreas</i> connectivity in Yellowstone National Park with landscape genetics. <i>Ecology</i> , 2010, 91, 252-261.	3.2	360
5	Breaking RAD: an evaluation of the utility of restriction site-associated DNA sequencing for genome scans of adaptation. <i>Molecular Ecology Resources</i> , 2017, 17, 142-152.	4.8	322
6	Gene flow and endangered species translocations: a topic revisited. <i>Biological Conservation</i> , 1999, 87, 173-180.	4.1	273
7	Landscape genetics of the blotched tiger salamander (<i>Ambystoma tigrinum melanostictum</i>). <i>Molecular Ecology</i> , 2005, 14, 2553-2564.	3.9	254
8	Perspectives on the use of landscape genetics to detect genetic adaptive variation in the field. <i>Molecular Ecology</i> , 2010, 19, 3760-3772.	3.9	237
9	Ecopathology of Ranaviruses Infecting Amphibians. <i>Viruses</i> , 2011, 3, 2351-2373.	3.3	181
10	Parasite local adaptation: Red Queen versus Suicide King. <i>Trends in Ecology and Evolution</i> , 2003, 18, 523-530.	8.7	165
11	Rapid evolutionary response to a transmissible cancer in Tasmanian devils. <i>Nature Communications</i> , 2016, 7, 12684.	12.8	162
12	An examination of amphibian sensitivity to environmental contaminants: are amphibians poor canaries?. <i>Ecology Letters</i> , 2010, 13, 60-67.	6.4	135
13	The influence of altitude and topography on genetic structure in the long-toed salamander (<i>Ambystoma macrodactylum</i>). <i>Molecular Ecology</i> , 2007, 16, 1625-1637.	3.9	133
14	Quantitative genetics: a promising approach for the assessment of genetic variation in endangered species. <i>Trends in Ecology and Evolution</i> , 1996, 11, 343-348.	8.7	120
15	Amphibian declines: future directions. <i>Diversity and Distributions</i> , 2003, 9, 151-163.	4.1	100
16	Landscape genetic structure of coastal tailed frogs (<i>Ascaphus truei</i>) in protected vs. managed forests. <i>Molecular Ecology</i> , 2008, 17, 4642-4656.	3.9	93
17	Representing genetic variation as continuous surfaces: an approach for identifying spatial dependency in landscape genetic studies. <i>Ecography</i> , 2008, 31, 685-697.	4.5	89
18	Contemporary Demographic Reconstruction Methods Are Robust to Genome Assembly Quality: A Case Study in Tasmanian Devils. <i>Molecular Biology and Evolution</i> , 2019, 36, 2906-2921.	8.9	84

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19	EFFECTS OF ATRAZINE AND IRIDOVIRUS INFECTION ON SURVIVAL AND LIFE-HISTORY TRAITS OF THE LONG-TOED SALAMANDER (<i>AMBYSTOMA MACRODACTYLUM</i>). <i>Environmental Toxicology and Chemistry</i> , 2006, 25, 168.	4.3	82
20	Navigating the Interface Between Landscape Genetics and Landscape Genomics. <i>Frontiers in Genetics</i> , 2018, 9, 68.	2.3	82
21	Anthropogenic and natural disturbance lead to differing patterns of gene flow in the Rocky Mountain tailed frog, <i>Ascaphus montanus</i> . <i>Biological Conservation</i> , 2010, 143, 778-786.	4.1	68
22	Coalescent-based hypothesis testing supports multiple Pleistocene refugia in the Pacific Northwest for the Pacific giant salamander (<i>Dicamptodon tenebrosus</i>). <i>Molecular Ecology</i> , 2006, 15, 2477-2487.	3.9	66
23	Rangewide landscape genetics of an endemic Pacific northwestern salamander. <i>Molecular Ecology</i> , 2013, 22, 1250-1266.	3.9	66
24	Quantifying 25 years of disease-caused declines in Tasmanian devil populations: host density drives spatial pathogen spread. <i>Ecology Letters</i> , 2021, 24, 958-969.	6.4	61
25	Responsible RAD: Striving for best practices in population genomic studies of adaptation. <i>Molecular Ecology Resources</i> , 2017, 17, 366-369.	4.8	58
26	Phylogenetic concordance analysis shows an emerging pathogen is novel and endemic. <i>Ecology Letters</i> , 2007, 10, 1075-1083.	6.4	57
27	Molecular evidence for historical and recent population size reductions of tiger salamanders (<i>Ambystoma tigrinum</i>) in Yellowstone National Park. <i>Conservation Genetics</i> , 2006, 7, 605-611.	1.5	55
28	Influence of life-history variation on the genetic structure of two sympatric salamander taxa. <i>Molecular Ecology</i> , 2009, 18, 1629-1639.	3.9	53
29	Conservation implications of limited genetic diversity and population structure in Tasmanian devils (<i>Sarcophilus harrisii</i>). <i>Conservation Genetics</i> , 2017, 18, 977-982.	1.5	50
30	Infection of the fittest: devil facial tumour disease has greatest effect on individuals with highest reproductive output. <i>Ecology Letters</i> , 2017, 20, 770-778.	6.4	50
31	Testing hypotheses of speciation timing in <i>Dicamptodon copei</i> and <i>Dicamptodon aterrimus</i> (Caudata: Tj ETQq1 1 0.784314 r gBT /Ov 2.7 48		
32	Large-effect loci affect survival in Tasmanian devils (<i>Sarcophilus harrisii</i>) infected with a transmissible cancer. <i>Molecular Ecology</i> , 2018, 27, 4189-4199.	3.9	45
33	Antipredator behavior of chytridiomycosis-infected northern leopard frog (<i>Rana pipiens</i>) tadpoles. <i>Canadian Journal of Zoology</i> , 2006, 84, 58-65.	1.0	42
34	Conserving adaptive potential: lessons from Tasmanian devils and their transmissible cancer. <i>Conservation Genetics</i> , 2019, 20, 81-87.	1.5	41
35	Applications of Population Genomics for Understanding and Mitigating Wildlife Disease. <i>Population Genomics</i> , 2020, , 357-383.	0.5	40
36	Current and Historical Drivers of Landscape Genetic Structure Differ in Core and Peripheral Salamander Populations. <i>PLoS ONE</i> , 2012, 7, e36769.	2.5	40

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37	A test of the central vs. marginal hypothesis using population genetics and ecological niche modelling in an endemic salamander (<i>Ambystoma barbouri</i>). <i>Molecular Ecology</i> , 2015, 24, 967-979.	3.9	38
38	Mixed population genomics support for the central marginal hypothesis across the invasive range of the cane toad (<i>Rhinella marina</i>) in Australia. <i>Molecular Ecology</i> , 2016, 25, 4161-4176.	3.9	38
39	Tracing the rise of malignant cell lines: Distribution, epidemiology and evolutionary interactions of two transmissible cancers in Tasmanian devils. <i>Evolutionary Applications</i> , 2019, 12, 1772-1780.	3.1	37
40	A decade of amphibian population genetic studies: synthesis and recommendations. <i>Conservation Genetics</i> , 2012, 13, 1685-1689.	1.5	35
41	Individual and temporal variation in pathogen load predicts long-term impacts of an emerging infectious disease. <i>Ecology</i> , 2019, 100, e02613.	3.2	33
42	Sex bias in ability to cope with cancer: Tasmanian devils and facial tumour disease. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2018, 285, 20182239.	2.6	31
43	The genomic basis of tumor regression in Tasmanian devils (<i>Sarcophilus harrisii</i>). <i>Genome Biology and Evolution</i> , 2018, 10, 3012-3025.	2.5	30
44	Gene flow and local adaptation in a sunfish-salamander system. <i>Behavioral Ecology and Sociobiology</i> , 1999, 46, 273-279.	1.4	29
45	Rate of intersexual interactions affects injury likelihood in Tasmanian devil contact networks. <i>Behavioral Ecology</i> , 2019, 30, 1087-1095.	2.2	25
46	Host species composition influences infection severity among amphibians in the absence of spillover transmission. <i>Ecology and Evolution</i> , 2015, 5, 1432-1439.	1.9	24
47	Landscape genetics and genetic structure of the southern torrent salamander, <i>Rhyacotriton variegatus</i> . <i>Conservation Genetics</i> , 2015, 16, 209-221.	1.5	24
48	A transmissible cancer shifts from emergence to endemism in Tasmanian devils. <i>Science</i> , 2020, 370, .	12.6	24
49	Phylogeographic incongruence of codistributed amphibian species based on small differences in geographic distribution. <i>Molecular Phylogenetics and Evolution</i> , 2007, 43, 468-479.	2.7	23
50	Can Differences in Host Behavior Drive Patterns of Disease Prevalence in Tadpoles?. <i>PLoS ONE</i> , 2011, 6, e24991.	2.5	23
51	Regional variation in drivers of connectivity for two frog species (<i>Rana pretiosa</i> and) <i>Tj ETQq1 1 0.784314 rgBT /Overlock 10 T 5</i>	3.9	23
52	Spontaneous Tumor Regression in Tasmanian Devils Associated with <i>RASL11A</i> Activation. <i>Genetics</i> , 2020, 215, 1143-1152.	2.9	22
53	Evidence for Introgression in the Endangered Sonora Tiger Salamander, <i>Ambystoma tigrinum stebbinsi</i> (Lowe). <i>Copeia</i> , 2004, 2004, 783-796.	1.3	21
54	Modern Molecular Methods for Amphibian Conservation. <i>BioScience</i> , 2009, 59, 559-571.	4.9	21

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55	Inbreeding and strong population subdivision in an endangered salamander. <i>Conservation Genetics</i> , 2014, 15, 137-151.	1.5	20
56	Comparative landscape genetics of two river frog species occurring at different elevations on Mount Kilimanjaro. <i>Molecular Ecology</i> , 2014, 23, 4989-5002.	3.9	20
57	The devil is in the details: Genomics of transmissible cancers in Tasmanian devils. <i>PLoS Pathogens</i> , 2018, 14, e1007098.	4.7	18
58	Disease swamps molecular signatures of genetic-environmental associations to abiotic factors in Tasmanian devil (<i>Sarcophilus harrisii</i>) populations. <i>Evolution; International Journal of Organic Evolution</i> , 2020, 74, 1392-1408.	2.3	18
59	Comparative landscape genetics of two endemic torrent salamander species, <i>Rhyacotriton kezeri</i> and <i>R. variegatus</i> : implications for forest management and species conservation. <i>Conservation Genetics</i> , 2019, 20, 801-815.	1.5	16
60	Infectious disease and sickness behaviour: tumour progression affects interaction patterns and social network structure in wild Tasmanian devils. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20202454.	2.6	16
61	Hybridizing salamanders experience accelerated diversification. <i>Scientific Reports</i> , 2020, 10, 6566.	3.3	16
62	Landscape genetics of the Tasmanian devil: implications for spread of an infectious cancer. <i>Conservation Genetics</i> , 2017, 18, 1287-1297.	1.5	15
63	An approach for identifying cryptic barriers to gene flow that limit species' geographic ranges. <i>Molecular Ecology</i> , 2017, 26, 490-504.	3.9	15
64	Darwin, the devil, and the management of transmissible cancers. <i>Conservation Biology</i> , 2021, 35, 748-751.	4.7	13
65	Phenotypically Plastic Responses of Larval Tiger Salamanders, <i>Ambystoma tigrinum</i> , to Different Predators. <i>Journal of Herpetology</i> , 2004, 38, 612-615.	0.5	12
66	Correlations of Life-History and Distributional-Range Variation with Salamander Diversification Rates: Evidence for Species Selection. <i>Systematic Biology</i> , 2011, 60, 503-518.	5.6	11
67	Life-History Responses to Pathogens in Tiger Salamander (<i>Ambystoma tigrinum</i>) Larvae. <i>Journal of Herpetology</i> , 2005, 39, 366-372.	0.5	10
68	Comparative landscape genetics reveals differential effects of environment on host and pathogen genetic structure in Tasmanian devils (<i>Sarcophilus harrisii</i>) and their transmissible tumour. <i>Molecular Ecology</i> , 2020, 29, 3217-3233.	3.9	9
69	Contemporary and historical selection in Tasmanian devils (<i>Sarcophilus harrisii</i>) support novel, polygenic response to transmissible cancer. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210577.	2.6	9
70	New Microsatellite Markers for Examining Genetic Variation in Peripheral and Core Populations of the Coastal Giant Salamander (<i>Dicamptodon tenebrosus</i>). <i>PLoS ONE</i> , 2010, 5, e14333.	2.5	8
71	Emerging Frontiers in the Study of Molecular Evolution. <i>Journal of Molecular Evolution</i> , 2020, 88, 211-226.	1.8	8
72	A stable niche assumption-free test of ecological divergence. <i>Molecular Phylogenetics and Evolution</i> , 2014, 76, 211-226.	2.7	7

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73	Mixed support for gene flow as a constraint to local adaptation and contributor to the limited geographic range of an endemic salamander. <i>Molecular Ecology</i> , 2020, 29, 4091-4101.	3.9	7
74	Transcriptomics of Tasmanian Devil (<i>Sarcophilus harrisii</i>) Ear Tissue Reveals Homogeneous Gene Expression Patterns across a Heterogeneous Landscape. <i>Genes</i> , 2019, 10, 801.	2.4	6
75	Spatial variation in gene expression of Tasmanian devil facial tumors despite minimal host transcriptomic response to infection. <i>BMC Genomics</i> , 2021, 22, 698.	2.8	6
76	Newly developed polymorphic microsatellite markers for frogs of the genus <i>Ascaphus</i> . <i>Molecular Ecology Resources</i> , 2008, 8, 936-938.	4.8	5
77	Characterization of 10 microsatellite markers for the southern torrent salamander (<i>Rhyacotriton</i>) Tj ETQq1 1 0.784314 rgBT /Overloc	0.8	2
78	Population Genomics of Wildlife Cancer. <i>Population Genomics</i> , 2020, , 385-416.	0.5	2
79	The Society for Conservation Biology: Progress or Stasis?. <i>Conservation Biology</i> , 1995, 9, 982-983.	4.7	0
80	<i>Amphibian Ecology and Conservation: A Handbook of Techniques</i> . Techniques in Ecology and Conservation Series. Edited by C. Kenneth Dodd Jr. Oxford and New York: Oxford University Press. \$120.00 (hardcover); \$59.95 (paper). xxvii + 556 p.; ill.; index. ISBN: 978-0-19-954118-8 (hc); 978-0-19-954119-5 (pb). 2010.. <i>Quarterly Review of Biology</i> , 2011, 86, 217-217.	0.1	0