

Darren E Irwin

List of Publications by Year in descending order

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71
papers

5,748
citations

126708

33
h-index

95083

68
g-index

82
all docs

82
docs citations

82
times ranked

5572
citing authors

#	ARTICLE	IF	CITATIONS
1	The role of phenotypic plasticity in driving genetic evolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2003, 270, 1433-1440.	1.2	1,143
2	PHYLOGEOGRAPHIC BREAKS WITHOUT GEOGRAPHIC BARRIERS TO GENE FLOW. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 2383-2394.	1.1	378
3	Speciation in a ring. <i>Nature</i> , 2001, 409, 333-337.	13.7	327
4	Sexual imprinting, learning and speciation. <i>Heredity</i> , 1999, 82, 347-354.	1.2	309
5	SONG VARIATION IN AN AVIAN RING SPECIES. <i>Evolution; International Journal of Organic Evolution</i> , 2000, 54, 998-1010.	1.1	210
6	Speciation by Distance in a Ring Species. <i>Science</i> , 2005, 307, 414-416.	6.0	177
7	Call divergence is correlated with geographic and genetic distance in greenish warblers (<i>Phylloscopus trochiloides</i>): a strong role for stochasticity in signal evolution?. <i>Journal of Evolutionary Biology</i> , 2008, 21, 435-448.	0.8	141
8	Dramatic intraspecific differences in migratory routes, stopover sites and wintering areas, revealed using light-level geolocators. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2012, 279, 4582-4589.	1.2	133
9	Hybrid songbirds employ intermediate routes in a migratory divide. <i>Ecology Letters</i> , 2014, 17, 1211-1218.	3.0	133
10	Genomic divergence in a ring species complex. <i>Nature</i> , 2014, 511, 83-85.	13.7	123
11	Ring species as bridges between microevolution and speciation. <i>Genetica</i> , 2001, 112/113, 223-243.	0.5	118
12	INCIPIENT SPECIATION DESPITE LITTLE ASSORTATIVE MATING: THE YELLOW-RUMPED WARBLER HYBRID ZONE. <i>Evolution; International Journal of Organic Evolution</i> , 2009, 63, 3050-3060.	1.1	111
13	The use of AFLP to find an informative SNP: genetic differences across a migratory divide in willow warblers. <i>Molecular Ecology</i> , 2008, 11, 2359-2366.	2.0	109
14	Cryptic speciation in a Holarctic passerine revealed by genetic and bioacoustic analyses. <i>Molecular Ecology</i> , 2008, 17, 2691-2705.	2.0	109
15	Mitochondrial introgression and replacement between yellowhammers (<i>Emberiza citrinella</i>) and pine buntings (<i>Emberiza leucocephalos</i>) (Aves: Passeriformes). <i>Biological Journal of the Linnean Society</i> , 0, 98, 422-438.	0.7	107
16	Genomic analysis of a migratory divide reveals candidate genes for migration and implicates selective sweeps in generating islands of differentiation. <i>Molecular Ecology</i> , 2015, 24, 1873-1888.	2.0	106
17	The Genetics of Seasonal Migration and Plumage Color. <i>Current Biology</i> , 2016, 26, 2167-2173.	1.8	101
18	Recurrent selection explains parallel evolution of genomic regions of high relative but low absolute differentiation in a ring species. <i>Molecular Ecology</i> , 2016, 25, 4488-4507.	2.0	98

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19	Hybrid origin of Audubon's warbler. <i>Molecular Ecology</i> , 2011, 20, 2380-2389.	2.0	97
20	MIGRATION, MITOCHONDRIA, AND THE YELLOW-RUMPED WARBLER. <i>Evolution; International Journal of Organic Evolution</i> , 2014, 68, 241-255.	1.1	97
21	Sex chromosomes and speciation in birds and other <i>ZW</i> systems. <i>Molecular Ecology</i> , 2018, 27, 3831-3851.	2.0	97
22	PHYLOGEOGRAPHIC BREAKS WITHOUT GEOGRAPHIC BARRIERS TO GENE FLOW. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 2383.	1.1	94
23	Cryptic species in the genus <i>Phylloscopus</i> (Old World leaf warblers). <i>Ibis</i> , 2001, 143, 233-247.	1.0	90
24	Conflicting patterns of mitochondrial and nuclear DNA diversity in <i>Phylloscopus</i> warblers. <i>Molecular Ecology</i> , 2005, 15, 161-171.	2.0	85
25	A comparison of genomic islands of differentiation across three young avian species pairs. <i>Molecular Ecology</i> , 2018, 27, 4839-4855.	2.0	83
26	Assortative Mating in Hybrid Zones Is Remarkably Ineffective in Promoting Speciation. <i>American Naturalist</i> , 2020, 195, E150-E167.	1.0	75
27	Behavioral Isolation and Incipient Speciation in Birds. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2018, 49, 1-24.	3.8	71
28	Genomic approaches to understanding population divergence and speciation in birds. <i>Auk</i> , 2016, 133, 13-30.	0.7	66
29	Comparative analysis examining patterns of genomic differentiation across multiple episodes of population divergence in birds. <i>Evolution Letters</i> , 2018, 2, 76-87.	1.6	56
30	Local Adaptation along Smooth Ecological Gradients Causes Phylogeographic Breaks and Phenotypic Clustering. <i>American Naturalist</i> , 2012, 180, 35-49.	1.0	55
31	Genetic variation and seasonal migratory connectivity in Wilson's warblers (<i>Wilsonia pusilla</i>): species-level differences in nuclear DNA between western and eastern populations. <i>Molecular Ecology</i> , 2011, 20, 3102-3115.	2.0	51
32	Extensive hybridization in a contact zone between MacGillivray's warblers <i>Oporornis tolmiei</i> and mourning warblers <i>O. philadelphia</i> detected using molecular and morphological analyses. <i>Journal of Avian Biology</i> , 2009, 40, 539-552.	0.6	49
33	Molt, Orientation, and Avian Speciation. <i>Auk</i> , 2011, 128, 419-425.	0.7	48
34	Admixture mapping in a hybrid zone reveals loci associated with avian feather coloration. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20171106.	1.2	44
35	Genomic variation across the Yellow-rumped Warbler species complex. <i>Auk</i> , 2016, 133, 698-717.	0.7	38
36	Concordance of genetic and phenotypic characters across a sapsucker hybrid zone. <i>Journal of Avian Biology</i> , 2012, 43, 119-130.	0.6	36

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37	Cross-decades stability of an avian hybrid zone. <i>Journal of Evolutionary Biology</i> , 2019, 32, 1242-1251.	0.8	36
38	Selection on a small genomic region underpins differentiation in multiple color traits between two warbler species. <i>Evolution Letters</i> , 2020, 4, 502-515.	1.6	35
39	Ring species as bridges between microevolution and speciation. <i>Contemporary Issues in Genetics and Evolution</i> , 2001, , 223-243.	0.9	34
40	Hybridization between Townsend's <i>Dendroica townsendi</i> and black-throated green warblers <i>D. virens</i> in an avian suture zone. <i>Journal of Avian Biology</i> , 2011, 42, 434-446.	0.6	33
41	Strong reproductive isolation and narrow genomic tracts of differentiation among three woodpecker species in secondary contact. <i>Molecular Ecology</i> , 2016, 25, 4247-4266.	2.0	28
42	A robust new metric of phenotypic distance to estimate and compare multiple trait differences among populations. <i>Environmental Epigenetics</i> , 2012, 58, 426-439.	0.9	27
43	Circular Overlaps: Rare Demonstrations of Speciation. <i>Auk</i> , 2002, 119, 596-602.	0.7	26
44	Low levels of hybridization across two contact zones among three species of woodpeckers (<i>Sphyrapicus</i> sapsuckers). <i>Journal of Avian Biology</i> , 2016, 47, 887-898.	0.6	25
45	Speciation: New Migratory Direction Provides Route toward Divergence. <i>Current Biology</i> , 2009, 19, R1111-R1113.	1.8	22
46	SONG VARIATION IN AN AVIAN RING SPECIES. <i>Evolution; International Journal of Organic Evolution</i> , 2000, 54, 998.	1.1	21
47	Individual performance in relation to cytonuclear discordance in a northern contact zone between long-toed salamander (<i>Ambystoma macrodactylum</i>) lineages. <i>Molecular Ecology</i> , 2014, 23, 4590-4602.	2.0	19
48	Cultural isolation is greater than genetic isolation across an avian hybrid zone. <i>Journal of Evolutionary Biology</i> , 2017, 30, 81-95.	0.8	18
49	Differential migratory timing of western populations of Wilson's Warbler (<i>Cardellina pusilla</i>) revealed by mitochondrial DNA and stable isotopes. <i>Auk</i> , 2013, 130, 689-698.	0.7	17
50	Hybridization and the Coexistence of Species. <i>American Naturalist</i> , 2022, 200, E93-E109.	1.0	17
51	Incipient ring speciation revealed by a migratory divide. <i>Molecular Ecology</i> , 2009, 18, 2923-2925.	2.0	16
52	Analysis of multilocus DNA reveals hybridization in a contact zone between <i>Empidonax</i> flycatchers. <i>Journal of Avian Biology</i> , 2009, 40, 614-624.	0.6	16
53	Phenotypic divergence during speciation is inversely associated with differences in seasonal migration. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151921.	1.2	16
54	Signatures of mitonuclear coevolution in a warbler species complex. <i>Nature Communications</i> , 2021, 12, 4279.	5.8	15

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55	Population genomic analyses reveal a highly differentiated and endangered genetic cluster of northern goshawks (<i>Accipiter gentilis laingi</i>) in Haida Gwaii. <i>Evolutionary Applications</i> , 2019, 12, 757-772.	1.5	14
56	Can Song Discriminate between MacGillivray's and Mourning Warblers in a Narrow Hybrid Zone?. <i>Condor</i> , 2011, 113, 655-663.	0.7	13
57	Phenotypic and genetic analysis support distinct species status of the Red-backed Woodpecker (Lesser) <i>T. ETQq1 1 0,784314 rgBT /C</i>	0.7	13
58	Similar hybrid composition among different age and sex classes in the Myrtle "Audubon's warbler hybrid zone. <i>Auk</i> , 2018, 135, 1133-1145.	0.7	13
59	The importance (or lack thereof) of niche divergence to the maintenance of a northern species complex: the case of the long-toed salamander (<i>Ambystoma macrodactylum</i> Baird). <i>Journal of Evolutionary Biology</i> , 2015, 28, 917-930.	0.8	12
60	Isotopic variation across the Audubon's myrtle warbler hybrid zone. <i>Journal of Evolutionary Biology</i> , 2014, 27, 1179-1191.	0.8	10
61	Linking the wintering and breeding grounds of warblers along the Pacific Flyway. <i>Ecology and Evolution</i> , 2017, 7, 6649-6658.	0.8	10
62	Large geographic range size reflects a patchwork of divergent lineages in the long-toed salamander (<i>Ambystoma macrodactylum</i>). <i>Journal of Evolutionary Biology</i> , 2012, 25, 2276-2287.	0.8	8
63	Ongoing production of low-fitness hybrids limits range overlap between divergent cryptic species. <i>Molecular Ecology</i> , 2021, 30, 4090-4102.	2.0	8
64	Conflicting effects of microhabitats on Long-toed Salamander (<i>Ambystoma</i>) <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 387 Td</i> (<i>Ambystoma macrodactylum</i>). <i>Zoology</i> , 2015, 93, 1-7.	0.4	6
65	A novel approach for finding ring species: look for barriers rather than rings. <i>BMC Biology</i> , 2012, 10, 21.	1.7	5
66	Circular Overlaps: Rare Demonstrations of Speciation. <i>Auk</i> , 2002, 119, 596-602.	0.7	3
67	Migratory orientation in a narrow avian hybrid zone. <i>PeerJ</i> , 2017, 5, e3201.	0.9	3
68	Culture in Songbirds and Its Contribution to the Evolution of New Species. , 2011, , 162-178.		1
69	A tree of tree frogs around the Black Sea. <i>Molecular Ecology</i> , 2016, 25, 4093-4096.	2.0	1
70	First Record of House Swift (<i>Apus nipalensis</i>) in the Americas. <i>Wilson Journal of Ornithology</i> , 2017, 129, 411-416.	0.1	1
71	A call for the preservation of images, recordings, and other data in association with avian genetic samples, and the introduction of a solution: OMBIRDS. <i>Auk</i> , 2014, 131, 321-326.	0.7	0