

# Thomas B Smith

## List of Publications by Year in descending order

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112  
papers

9,676  
citations

41344

49  
h-index

38395

95  
g-index

112  
all docs

112  
docs citations

112  
times ranked

10292  
citing authors

#	ARTICLE	IF	CITATIONS
1	Closing the seed dispersal loop. <i>Trends in Ecology and Evolution</i> , 2002, 17, 379-386.	8.7	599
2	Resource polymorphisms in vertebrates. <i>Trends in Ecology and Evolution</i> , 1995, 10, 366-370.	8.7	586
3	Limitations of Captive Breeding in Endangered Species Recovery. <i>Conservation Biology</i> , 1996, 10, 338-348.	4.7	581
4	EVOLUTIONARY SIGNIFICANCE OF RESOURCE POLYMORPHISMS IN FISHES, AMPHIBIANS, AND BIRDS. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 1996, 27, 111-133.	6.7	575
5	Bird song, ecology and speciation. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002, 357, 493-503.	4.0	438
6	Ecology and speciation. <i>Trends in Ecology and Evolution</i> , 1998, 13, 502-506.	8.7	398
7	Genomic signals of selection predict climate-driven population declines in a migratory bird. <i>Science</i> , 2018, 359, 83-86.	12.6	333
8	HABITAT-DEPENDENT SONG DIVERGENCE IN THE LITTLE GREENBUL: AN ANALYSIS OF ENVIRONMENTAL SELECTION PRESSURES ON ACOUSTIC SIGNALS. <i>Evolution; International Journal of Organic Evolution</i> , 2002, 56, 1849-1858.	2.3	298
9	Evolutionary principles and their practical application. <i>Evolutionary Applications</i> , 2011, 4, 159-183.	3.1	230
10	Applying evolutionary biology to address global challenges. <i>Science</i> , 2014, 346, 1245993.	12.6	228
11	Modeling distribution of Amazonian tree species and diversity using remote sensing measurements. <i>Remote Sensing of Environment</i> , 2008, 112, 2000-2017.	11.0	202
12	Not as the crow flies: a historical explanation for circuitous migration in Swainson's thrush ( <i>Catharus ustulatus</i> ). <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2002, 269, 1375-1381.	2.6	196
13	Seed dispersal and movement patterns in two species of <i>Ceratogymna</i> hornbills in a West African tropical lowland forest. <i>Oecologia</i> , 2000, 125, 249-257.	2.0	187
14	Predicting species distributions across the Amazonian and Andean regions using remote sensing data. <i>Journal of Biogeography</i> , 2008, 35, 1160-1176.	3.0	178
15	Combining genetic markers and stable isotopes to reveal population connectivity and migration patterns in a Neotropical migrant, Wilson's warbler ( <i>Wilsonia pusilla</i> ). <i>Molecular Ecology</i> , 2003, 12, 819-830.	3.9	157
16	Biodiversity hotspots and beyond: the need for preserving environmental transitions. <i>Trends in Ecology and Evolution</i> , 2001, 16, 431.	8.7	155
17	DIFFERENTIAL RESOURCE USE BY PRIMATES AND HORNBILLS: IMPLICATIONS FOR SEED DISPERSAL. <i>Ecology</i> , 2002, 83, 228-240.	3.2	138
18	Character displacement of song and morphology in African tinkerbirds. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 8256-8261.	7.1	137

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19	Evolutionary change in human-altered environments. <i>Molecular Ecology</i> , 2008, 17, 1-8.	3.9	130
20	Mapping migration in a songbird using high-resolution genetic markers. <i>Molecular Ecology</i> , 2014, 23, 5726-5739.	3.9	129
21	Evolutionary Consequences of Extinctions in Populations of a Hawaiian Honeycreeper. <i>Conservation Biology</i> , 1995, 9, 107-113.	4.7	118
22	Seed dispersal by a diurnal primate community in the Dja Reserve, Cameroon. <i>Journal of Tropical Ecology</i> , 2001, 17, 787-808.	1.1	106
23	Birdsong and Sound Transmission: The Benefits of Reverberations. <i>Condor</i> , 2002, 104, 564-573.	1.6	106
24	Seasonal variation in the feeding ecology of the grey-cheeked mangabey ( <i>Lophocebus albigena</i> ) in Cameroon. <i>American Journal of Primatology</i> , 2001, 54, 91-105.	1.7	105
25	Birdsong tuned to the environment: green hylia song varies with elevation, tree cover, and noise. <i>Behavioral Ecology</i> , 2009, 20, 1089-1095.	2.2	104
26	The Ecology of Emerging Infectious Diseases in Migratory Birds: An Assessment of the Role of Climate Change and Priorities for Future Research. <i>EcoHealth</i> , 2012, 9, 80-88.	2.0	104
27	Host specificity and incidence of <i>Trypanosoma</i> in some African rainforest birds: a molecular approach. <i>Molecular Ecology</i> , 2001, 10, 2319-2327.	3.9	103
28	Prevalence and diversity patterns of avian blood parasites in degraded African rainforest habitats. <i>Molecular Ecology</i> , 2009, 18, 4121-4133.	3.9	103
29	Refugial isolation versus ecological gradients. Testing alternative mechanisms of evolutionary divergence in four rainforest vertebrates. <i>Genetica</i> , 2001, 112/113, 383-398.	1.1	100
30	Diversification in <i>Adelomyia</i> hummingbirds follows Andean uplift. <i>Molecular Ecology</i> , 2011, 20, 4564-4576.	3.9	100
31	Hunting of Mammals Reduces Seed Removal and Dispersal of the Afrotropical Tree <i>Antrocaryon klaineanum</i> (Anacardiaceae). <i>Biotropica</i> , 2007, 39, 340-347.	1.6	99
32	POSTGLACIAL POPULATION EXPANSION DRIVES THE EVOLUTION OF LONG-DISTANCE MIGRATION IN A SONGBIRD. <i>Evolution; International Journal of Organic Evolution</i> , 2006, 60, 2403-2409.	2.3	92
33	COMBINING ISOTOPIC AND GENETIC MARKERS TO IDENTIFY BREEDING ORIGINS OF MIGRANT BIRDS. , 2005, 15, 1487-1494.		90
34	Seed dispersal by <i>Ceratogymna</i> hornbills in the Dja Reserve, Cameroon. <i>Journal of Tropical Ecology</i> , 1998, 14, 351-371.	1.1	89
35	Prescriptive Evolution to Conserve and Manage Biodiversity. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2014, 45, 1-22.	8.3	89
36	BIRDSONG AND SOUND TRANSMISSION: THE BENEFITS OF REVERBERATIONS. <i>Condor</i> , 2002, 104, 564.	1.6	87

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37	Implications of long-distance movements of frugivorous rain forest hornbills. <i>Ecography</i> , 2002, 25, 745-749.	4.5	86
38	Mapping evolutionary process: a multi-taxa approach to conservation prioritization. <i>Evolutionary Applications</i> , 2011, 4, 397-413.	3.1	84
39	Ecological genomics predicts climate vulnerability in an endangered southwestern songbird. <i>Ecology Letters</i> , 2018, 21, 1085-1096.	6.4	82
40	PROBING THE ADAPTIVE LANDSCAPE USING EXPERIMENTAL ISLANDS: DENSITY-DEPENDENT NATURAL SELECTION ON LIZARD BODY SIZE. <i>Evolution; International Journal of Organic Evolution</i> , 2007, 61, 1052-1061.	2.3	76
41	Limited Utility of mtDNA Markers for Determining Connectivity among Breeding and Overwintering Locations in Three Neotropical Migrant Birds. <i>Conservation Biology</i> , 2004, 18, 156-166.	4.7	75
42	Bacterial diversity is positively correlated with soil heterogeneity. <i>Ecosphere</i> , 2018, 9, e02079.	2.2	68
43	Habitat use and resource tracking by African <i>Ceratogymna</i> hornbills: implications for seed dispersal and forest conservation. <i>Animal Conservation</i> , 1998, 1, 107-117.	2.9	67
44	Importance of Body Size in Determining Dominance Hierarchies among Diverse Tropical Frugivores. <i>Biotropica</i> , 2005, 37, 96-101.	1.6	65
45	The prevalence of avian <i>Plasmodium</i> is higher in undisturbed tropical forests of Cameroon. <i>Journal of Tropical Ecology</i> , 2009, 25, 439-447.	1.1	65
46	Persistent impacts of West Nile virus on North American bird populations. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2015, 112, 14290-14294.	7.1	65
47	The role of geography and ecology in shaping the phylogeography of the speckled hummingbird ( <i>Adelomyia melanogenys</i> ) in Ecuador. <i>Molecular Phylogenetics and Evolution</i> , 2007, 43, 795-807.	2.7	61
48	How the zebra got its stripes: a problem with too many solutions. <i>Royal Society Open Science</i> , 2015, 2, 140452.	2.4	59
49	ECOMORPHOLOGY OF MIGRATORY AND SEDENTARY POPULATIONS OF THE YELLOW-RUMPED WARBLER ( <i>DENDROICA CORONATA</i> ). <i>Condor</i> , 2008, 110, 335-344.	1.6	54
50	New host and lineage diversity of avian haemosporidia in the northern Andes. <i>Evolutionary Applications</i> , 2014, 7, 799-811.	3.1	53
51	Modeling environmentally associated morphological and genetic variation in a rainforest bird, and its application to conservation prioritization. <i>Evolutionary Applications</i> , 2010, 3, 1-16.	3.1	52
52	Seasonal gene expression in a migratory songbird. <i>Molecular Ecology</i> , 2016, 25, 5680-5691.	3.9	50
53	Ghosts of infections past: using archival samples to understand a century of monkeypox virus prevalence among host communities across space and time. <i>Royal Society Open Science</i> , 2018, 5, 171089.	2.4	46
54	TESTING ALTERNATIVE HYPOTHESES FOR EVOLUTIONARY DIVERSIFICATION IN AN AFRICAN SONGBIRD: RAINFOREST REFUGIA VERSUS ECOLOGICAL GRADIENTS. <i>Evolution; International Journal of Organic Evolution</i> , 2011, 65, 3162-3174.	2.3	43

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55	Current and historical factors influencing patterns of species richness and turnover of birds in the Gulf of Guinea highlands. <i>Journal of Biogeography</i> , 2005, 32, 1371-1384.	3.0	42
56	Elevational Zonation and the Phylogenetic Relationships of the Henicorhina Wood-Wrens. <i>Auk</i> , 2006, 123, 119-134.	1.4	42
57	Evolutionary consequences of human disturbance in a rainforest bird species from Central Africa. <i>Molecular Ecology</i> , 2008, 17, 58-71.	3.9	42
58	Evolutionary patterns of diversification in the Andean hummingbird genus <i>Adelomyia</i> . <i>Molecular Phylogenetics and Evolution</i> , 2011, 60, 207-218.	2.7	41
59	ELEVATIONAL ZONATION AND THE PHYLOGENETIC RELATIONSHIPS OF THE HENICORHINA WOOD-WRENS. <i>Auk</i> , 2006, 123, 119.	1.4	40
60	Human-induced morphological shifts in an island lizard. <i>Evolutionary Applications</i> , 2011, 4, 388-396.	3.1	37
61	Intraspecific variation in <i>Anolis sagrei</i> mirrors the adaptive radiation of Greater Antillean anoles. <i>Biological Journal of the Linnean Society</i> , 2007, 90, 189-199.	1.6	35
62	Genomic divergence across ecological gradients in the Central African rainforest songbird ( <i>Andropadus virens</i> ). <i>Molecular Ecology</i> , 2017, 26, 4966-4977.	3.9	35
63	Molecular evidence for host specificity of parasitic nematode microfilariae in some African rainforest birds. <i>Molecular Ecology</i> , 2005, 14, 3977-3988.	3.9	33
64	Patterns of divergence in the olive sunbird <i>Cyanomitra olivacea</i> (Aves: Nectariniidae) across the African rainforest-savanna ecotone. <i>Biological Journal of the Linnean Society</i> , 2011, 103, 821-835.	1.6	31
65	Mating Behavior Drives Seed Dispersal by the Long-wattled Umbrellabird <i>Cephalopterus penduliger</i> . <i>Biotropica</i> , 2012, 44, 689-698.	1.6	31
66	Predicting bird song from space. <i>Evolutionary Applications</i> , 2013, 6, 865-874.	3.1	31
67	A cryptic contact zone between divergent mitochondrial DNA lineages in southwestern North America supports past introgressive hybridization in the yellow-rumped warbler complex (Aves: <i>Troglodytes</i> ). <i>Evolution</i> , 2014, 68, 1414-1424.	1.4	29
68	Projected changes in elevational distribution and flight performance of montane Neotropical hummingbirds in response to climate change. <i>Global Change Biology</i> , 2011, 17, 1671-1680.	9.5	28
69	Genetic assignment with isotopes and habitat suitability ( <i>Geothlypis trichas</i> ), a migratory bird case study. <i>Methods in Ecology and Evolution</i> , 2017, 8, 1241-1252.	5.2	28
70	PICT: A low-cost, modular, open-source camera trap system to study plant-insect interactions. <i>Methods in Ecology and Evolution</i> , 2021, 12, 1389-1396.	5.2	27
71	Development of beak polymorphism in the African seedcracker, <i>Pyrenestes ostrinus</i> . <i>Evolution &amp; Development</i> , 2009, 11, 636-646.	2.0	25
72	A general theory of avian migratory connectivity. <i>Ecology Letters</i> , 2021, 24, 1848-1858.	6.4	25

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73	Integrative tracking methods elucidate the evolutionary dynamics of a migratory divide. <i>Ecology and Evolution</i> , 2014, 4, 3456-3469.	1.9	24
74	Growth factor gene IGF1 is associated with bill size in the black-bellied seedcracker <i>Pyrenestes ostrinus</i> . <i>Nature Communications</i> , 2018, 9, 4855.	12.8	24
75	A preliminary assessment of the effectiveness of the Mesoamerican Biological Corridor for protecting potential Baird's tapir ( <i>Tapirus bairdii</i> ) habitat in southern Mexico. <i>Integrative Zoology</i> , 2013, 8, 35-47.	2.6	23
76	Developmental plasticity affects sexual size dimorphism in an anole lizard. <i>Functional Ecology</i> , 2016, 30, 235-243.	3.6	23
77	Identifying areas with a high risk of human infection with the avian influenza A (H7N9) virus in East Asia. <i>Journal of Infection</i> , 2014, 69, 174-181.	3.3	20
78	Assessing the impact of China's timber industry on Congo Basin land use change. <i>Area</i> , 2019, 51, 340-349.	1.6	18
79	Climate warming causes declines in crop yields and lowers school attendance rates in Central Africa. <i>Science of the Total Environment</i> , 2018, 610-611, 503-510.	8.0	17
80	Population structure, inbreeding and stripe pattern abnormalities in plains zebras. <i>Molecular Ecology</i> , 2021, 30, 379-390.	3.9	17
81	AVIAN RESPONSES TO RESTORATION: NEST-SITE SELECTION AND REPRODUCTIVE SUCCESS IN SONG SPARROWS. <i>Auk</i> , 2001, 118, 432.	1.4	16
82	Adaptive significance of the mega-billed form in the polymorphic Black-bellied Seedcracker <i>Pyrenestes ostrinus</i> . <i>Ibis</i> , 1997, 139, 382-387.	1.9	15
83	Local adaptation in thermal tolerance for a tropical butterfly across ecotone and rainforest habitats. <i>Biology Open</i> , 2021, 10, .	1.2	15
84	Bird communities in African cocoa agroforestry are diverse but lack specialized insectivores. <i>Journal of Applied Ecology</i> , 2021, 58, 1237-1247.	4.0	14
85	Linking climate niches across seasons to assess population vulnerability in a migratory bird. <i>Global Change Biology</i> , 2021, 27, 3519-3531.	9.5	14
86	Refugial isolation versus ecological gradients. <i>Contemporary Issues in Genetics and Evolution</i> , 2001, , 383-398.	0.9	13
87	A comparison of variation between a MHC pseudogene and microsatellite loci of the little greenbul ( <i>Andropadus virens</i> ). <i>BMC Evolutionary Biology</i> , 2005, 5, 47.	3.2	13
88	Evolution and Conservation of Central African Biodiversity: Priorities for Future Research and Education in the Congo Basin and Gulf of Guinea. <i>Biotropica</i> , 2015, 47, 6-17.	1.6	13
89	Loss of sexual dimorphism is associated with loss of lekking behavior in the green manakin <i>Xenopipo holochora</i> . <i>Journal of Avian Biology</i> , 2015, 46, 307-314.	1.2	13
90	Precipitation and vegetation shape patterns of genomic and craniometric variation in the central African rodent <i>Praomys misonnei</i> . <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2020, 287, 20200449.	2.6	13

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91	Putting process on the map: why ecotones are important for preserving biodiversity. , 2001, , 166-197.		12
92	Breeding and nest site characteristics of the Black-casqued Hornbill <i>Ceratogymna atrata</i> and White-thighed Hornbill <i>Ceratogymna cylindricus</i> in south-central Cameroon. Ostrich, 2004, 75, 79-88.	1.1	12
93	Safeguarding biodiversity: what is perceived as working, according to the conservation community?. Oryx, 2016, 50, 302-307.	1.0	12
94	The American Kestrel (<i>Falco sparverius</i>) genoscape: implications for monitoring, management, and subspecies boundaries. Auk, 2021, 138, .	1.4	12
95	Approaches to the reintroduction of the Bali mynah. Zoo Biology, 1998, 17, 267-284.	1.2	11
96	Genetic evidence for recent range fragmentation and severely restricted dispersal in the critically endangered Sierra Madre Sparrow, <i>Xenospiza baileyi</i> . Conservation Genetics, 2012, 13, 283-291.	1.5	11
97	Limitations of Captive Breeding: Reply to Gippoliti and Carpaneto. Conservation Biology, 1997, 11, 808-810.	4.7	10
98	Spatial and Temporal Patterns of Frugivorous Hornbill Movements in Central Africa and their Implications for Rain Forest Conservation. Biotropica, 2014, 46, 763-770.	1.6	10
99	Human Impacts Flatten Rainforest-Savanna Gradient and Reduce Adaptive Diversity in a Rainforest Bird. PLoS ONE, 2010, 5, e13088.	2.5	9
100	Genomic vulnerability and socio-economic threats under climate change in an African rainforest bird. Evolutionary Applications, 2021, 14, 1239-1247.	3.1	9
101	Comparative avian biodiversity of five mountains in northern Cameroon and Bioko. Ostrich, 2000, 71, 269-276.	1.1	6
102	Living with avian FLU—Persistence of the H5N1 highly pathogenic avian influenza virus in Egypt. Veterinary Microbiology, 2016, 187, 82-92.	1.9	6
103	Leveraging genomics to understand threats to migratory birds. Evolutionary Applications, 2021, 14, 1646-1658.	3.1	6
104	A Call for Feather Sampling. Auk, 2003, 120, 218-221.	1.4	6
105	Shrinkage is Not the Most Likely Cause of Bill Change in liwi: A Rejoinder to Winker. Conservation Biology, 1996, 10, 659-660.	4.7	5
106	Concordance on zebra stripes is not black and white: response to comment by Caro & Stankowich (2015). Royal Society Open Science, 2015, 2, 150359.	2.4	4
107	Persistent panmixia despite extreme habitat loss and population decline in the threatened tricolored blackbird ( <i>Agelaius tricolor</i> ). Evolutionary Applications, 2021, 14, 674-684.	3.1	3
108	Genotype-environment associations across spatial scales reveal the importance of putative adaptive genetic variation in divergence. Evolutionary Applications, 2022, 15, 1390-1407.	3.1	3

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109	Isolation of polymorphic tetranucleotide microsatellite markers for the black-bellied seedcracker ( <i>Pyrenestes ostrinus</i> ). <i>Molecular Ecology Notes</i> , 2005, 5, 774-776.	1.7	1
110	A preliminary survey of birds from the Lac Lobeke Reserve, south-eastern Cameroon. <i>Bird Conservation International</i> , 1996, 6, 167-174.	1.3	0
111	Equating Forest Conservation with Hornbill Conservation. <i>Conservation Biology</i> , 2009, 23, 782-783.	4.7	0
112	Environmental drivers of body size variation in the lesser treefrog ( <i>Dendropsophus minutus</i> ) across the Amazon-Cerrado gradient. <i>Biological Journal of the Linnean Society</i> , 2016, , .	1.6	0