

Ralph Tiedemann

List of Publications by Year in descending order

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112
papers

2,131
citations

218677

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38
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120
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120
docs citations

120
times ranked

2550
citing authors

#	ARTICLE	IF	CITATIONS
1	Audience effect alters mating preferences in a livebearing fish, the Atlantic molly, <i>Poecilia mexicana</i> . <i>Animal Behaviour</i> , 2008, 75, 21-29.	1.9	85
2	A simple dynamic model explains the diversity of island birds worldwide. <i>Nature</i> , 2020, 579, 92-96.	27.8	84
3	Electrifying love: electric fish use species-specific discharge for mate recognition. <i>Biology Letters</i> , 2009, 5, 225-228.	2.3	82
4	Adaptive radiation in African weakly electric fish (Teleostei: Mormyridae: <i>Campylomormyrus</i>): a combined molecular and morphological approach. <i>Journal of Evolutionary Biology</i> , 2007, 20, 403-414.	1.7	75
5	Historical genetics on a sediment core from a Kenyan lake: intraspecific genotype turnover in a tropical rotifer is related to past environmental changes. <i>Journal of Paleolimnology</i> , 2010, 43, 939-954.	1.6	67
6	Ten polymorphic autosomal microsatellite loci for the Eider duck <i>Somateria mollissima</i> and their cross-species applicability among waterfowl species (Anatidae). <i>Molecular Ecology Notes</i> , 2003, 3, 250-252.	1.7	65
7	Mitochondrial Control Region and microsatellite analyses on harbour porpoise (<i>Phocoena phocoena</i>) unravel population differentiation in the Baltic Sea and adjacent waters. <i>Conservation Genetics</i> , 2010, 11, 195-211.	1.5	60
8	Spatially Explicit Analysis of Genome-Wide SNPs Detects Subtle Population Structure in a Mobile Marine Mammal, the Harbor Porpoise. <i>PLoS ONE</i> , 2016, 11, e0162792.	2.5	54
9	Environmental variability in Lake Naivasha, Kenya, over the last two centuries. <i>Journal of Paleolimnology</i> , 2011, 45, 353-367.	1.6	51
10	Equilibrium Bird Species Diversity in Atlantic Islands. <i>Current Biology</i> , 2017, 27, 1660-1666.e5.	3.9	49
11	Genetic evidence for limited trans-Atlantic movements of the harbor porpoise <i>Phocoena phocoena</i> . <i>Marine Biology</i> , 1999, 133, 583-591.	1.5	48
12	Mitochondrial DNA and microsatellite variation in the eider duck (<i>Somateria mollissima</i>) indicate stepwise postglacial colonization of Europe and limited current long-distance dispersal. <i>Molecular Ecology</i> , 2004, 13, 1481-1494.	3.9	45
13	Atlantic sturgeons (<i>Acipenser sturio</i> , <i>Acipenser oxyrinchus</i>): American females successful in Europe. <i>Die Naturwissenschaften</i> , 2007, 94, 213-217.	1.6	42
14	Molecular characterization of MHC class II in a nonmodel anuran species, the fire-bellied toad <i>Bombina orientalis</i> . <i>Immunogenetics</i> , 2007, 59, 479-491.	2.4	38
15	Cross-tissue and cross-species analysis of gene expression in skeletal muscle and electric organ of African weakly-electric fish (Teleostei; Mormyridae). <i>BMC Genomics</i> , 2015, 16, 668.	2.8	38
16	New microsatellite loci confirm hybrid origin, parthenogenetic inheritance, and mitotic gene conversion in the gynogenetic Amazon molly (<i>Poecilia formosa</i>). <i>Molecular Ecology Notes</i> , 2005, 5, 586-589.	1.7	37
17	Large-scale mitochondrial phylogeography in the halophilic fairy shrimp <i>Phallocryptus spinosa</i> (Milne-Edwards, 1840) (Branchiopoda: Anostraca). <i>Aquatic Sciences</i> , 2008, 70, 65-76.	1.5	37
18	Audience effect alters male but not female mating preferences. <i>Behavioral Ecology and Sociobiology</i> , 2009, 63, 381-390.	1.4	32

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19	Differential response to heat stress among evolutionary lineages of an aquatic invertebrate species complex. <i>Biology Letters</i> , 2018, 14, 20180498.	2.3	32
20	Hydroclimate changes in eastern Africa over the past 200,000 years may have influenced early human dispersal. <i>Communications Earth & Environment</i> , 2021, 2, .	6.8	32
21	Remediation measures for the Baltic sturgeon: status review and perspectives. <i>Journal of Applied Ichthyology</i> , 2006, 22, 23-31.	0.7	31
22	Molecular phylogeny of songbirds (Aves: Passeriformes) and the relative utility of common nuclear marker loci. <i>Cladistics</i> , 2008, 24, 328-349.	3.3	31
23	MHC class I and MHC class II DRB gene variability in wild and captive Bengal tigers (<i>Panthera tigris</i>) Tj ETQq1 1 0.784314 rgBTJ/Overlook	2.4	31
24	<i>De novo</i> assembly and characterization of the skeletal muscle and electric organ transcriptomes of the African weakly electric fish <i>Campylomormyrus compressirostris</i> (Mormyridae, Teleostei). <i>Molecular Ecology Resources</i> , 2014, 14, 1222-1230.	4.8	31
25	Genetic data from algae sedimentary DNA reflect the influence of environment over geography. <i>Scientific Reports</i> , 2015, 5, 12924.	3.3	30
26	Individual-based modeling of eco-evolutionary dynamics: state of the art and future directions. <i>Regional Environmental Change</i> , 2019, 19, 1-12.	2.9	28
27	Alien eggs in duck nests: brood parasitism or a help from Grandma?. <i>Molecular Ecology</i> , 2011, 20, 3237-3250.	3.9	27
28	mtDNA indicates profound population structure in Indian tiger (<i>Panthera tigris tigris</i>). <i>Conservation Genetics</i> , 2009, 10, 909-914.	1.5	25
29	Kin Recognition in a Clonal Fish, <i>Poecilia formosa</i> . <i>PLoS ONE</i> , 2016, 11, e0158442.	2.5	25
30	Molecules reject an opheliid affinity for <i>Travisia</i> (Annelida). <i>Systematics and Biodiversity</i> , 2010, 8, 507-512.	1.2	24
31	Species delimitation and phylogenetic relationships in a genus of African weakly-electric fishes (Osteoglossiformes, Mormyridae, <i>Campylomormyrus</i>). <i>Molecular Phylogenetics and Evolution</i> , 2016, 101, 8-18.	2.7	24
32	Temporal and spatial patterns of mitochondrial haplotype and species distributions in Siberian larches inferred from ancient environmental DNA and modeling. <i>Scientific Reports</i> , 2018, 8, 17436.	3.3	24
33	Tuskless bulls in Asian elephant <i>Elephas maximus</i> . History and population genetics of a man-made phenomenon. <i>Acta Theriologica</i> , 1995, 40, 125-143.	1.1	24
34	Genetic structure reveals management units for the yellow cardinal (<i>Gubernatrix cristata</i>), endangered by habitat loss and illegal trapping. <i>Conservation Genetics</i> , 2017, 18, 1131-1140.	1.5	23
35	A visual audience effect in a cavefish. <i>Behaviour</i> , 2008, 145, 931-947.	0.8	22
36	Peri-Tyrrhenian Phylogeography in the Land Snail <i>Solatopupa guidoni</i> (Pulmonata). <i>Malacologia</i> , 2010, 52, 81-96.	0.4	22

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37	Temperature-dependent life history and transcriptomic responses in heat-tolerant versus heat-sensitive <i>Brachionus</i> rotifers. <i>Scientific Reports</i> , 2020, 10, 13281.	3.3	20
38	Applications of Molecular Data in Cetacean Taxonomy and Population Genetics with Special Emphasis on Defining Species Boundaries. , 2002, , 325-359.		19
39	Comparative histology of the adult electric organ among four species of the genus <i>Campylomormyrus</i> (Teleostei: Mormyridae). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2015, 201, 357-374.	1.6	19
40	Electric organ discharge diversification in mormyrid weakly electric fish is associated with differential expression of voltage-gated ion channel genes. <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2017, 203, 183-195.	1.6	19
41	A combined paleolimnological/genetic analysis of diatoms reveals divergent evolutionary lineages of <i>Staurosira</i> and <i>Staurosirella</i> (Bacillariophyta) in Siberian lake sediments along a latitudinal transect. <i>Journal of Paleolimnology</i> , 2014, 52, 77-93.	1.6	18
42	Evidence for Non-neutral Evolution in a Sodium Channel Gene in African Weakly Electric Fish (<i>Campylomormyrus</i> , Mormyridae). <i>Journal of Molecular Evolution</i> , 2016, 83, 61-77.	1.8	18
43	Eight new microsatellite loci for the critically endangered fire-bellied toad <i>Bombina bombina</i> and their cross-species applicability among anurans. <i>Molecular Ecology Notes</i> , 2006, 6, 150-152.	1.7	17
44	Nine new tetranucleotide microsatellite markers for the fire-bellied toad (<i>Bombina bombina</i>). <i>Molecular Ecology Notes</i> , 2006, 7, 49-52.	1.7	17
45	Age-dependent mating tactics in male bushbuck (<i>Tragelaphus scriptus</i>). <i>Behaviour</i> , 2007, 144, 585-610.	0.8	17
46	Genetic population structure of the Fire-bellied toad <i>Bombina bombina</i> in an area of high population density: implications for conservation. <i>Hydrobiologia</i> , 2012, 689, 111-120.	2.0	16
47	Saisonale und tidale Variation in der Nutzung von WattflÄchen durch nahrungssuchende VÄgel. <i>Journal Fur Ornithologie</i> , 1997, 138, 183-198.	1.2	14
48	Intragenus (<i>Campylomormyrus</i>) and intergenus hybrids in mormyrid fish: Physiological and histological investigations of the electric organ ontogeny. <i>Journal of Physiology (Paris)</i> , 2016, 110, 281-301.	2.1	14
49	First record of <i>Halocercus</i> sp. (Pseudaliidae) lungworm infections in two stranded neonatal orcas (<i>Orcinus orca</i>). <i>Parasitology</i> , 2018, 145, 1553-1557.	1.5	14
50	The gonadal transcriptome of the unisexual Amazon molly <i>Poecilia formosa</i> in comparison to its sexual ancestors, <i>Poecilia mexicana</i> and <i>Poecilia latipinna</i> . <i>BMC Genomics</i> , 2018, 19, 12.	2.8	14
51	Supporting evidence for PCB pollution threatening global killer whale population. <i>Aquatic Toxicology</i> , 2019, 206, 102-104.	4.0	14
52	Sperm production in an extremophile fish, the cave molly (<i>Poecilia mexicana</i> , Poeciliidae, Teleostei). <i>Aquatic Ecology</i> , 2008, 42, 685-692.	1.5	13
53	Do audience effects lead to relaxed male sexual harassment?. <i>Behaviour</i> , 2009, 146, 1739-1758.	0.8	13
54	Misleading mollies: surface- but not cave-dwelling <i>Poecilia mexicana</i> males deceive competitors about mating preferences. <i>Acta Ethologica</i> , 2010, 13, 49-56.	0.9	13

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55	Mitochondrial DNA and microsatellites reveal significant divergence in the beachflea <i>Orchestia montagui</i> (Talitridae: Amphipoda). <i>Aquatic Sciences</i> , 2012, 74, 587-596.	1.5	13
56	Genetic variation in an isolated Italian population of fallow deer <i>Dama dama</i> as revealed by RAPD-PCR. <i>Acta Theriologica</i> , 1998, 43, 163-169.	1.1	13
57	Eighteen microsatellite loci for endemic African weakly electric fish (<i>Campylomormyrus</i> , Mormyridae) and their cross species applicability among related taxa. <i>Molecular Ecology Notes</i> , 2005, 5, 446-448.	1.7	12
58	Reproduction and development in some species of the weakly electric genus <i>Campylomormyrus</i> (Mormyridae, Teleostei). <i>Environmental Biology of Fishes</i> , 2017, 100, 49-68.	1.0	12
59	Geographic Partitioning of Mitochondrial DNA Patterns in European Eider <i>Somateria Mollissima</i> . <i>Hereditas</i> , 2004, 128, 159-166.	1.4	11
60	Male-mediated species recognition among African weakly electric fishes. <i>Royal Society Open Science</i> , 2018, 5, 170443.	2.4	11
61	Spotlight on islands: on the origin and diversification of an ancient lineage of the Italian wall lizard <i>Podarcis siculus</i> in the western Pontine Islands. <i>Scientific Reports</i> , 2018, 8, 15111.	3.3	11
62	High-quality whole-genome sequence of an abundant Holarctic odontocete, the harbour porpoise (<i>Phocoena phocoena</i>). <i>Molecular Ecology Resources</i> , 2018, 18, 1469-1481.	4.8	11
63	Negative phototactic response to UVR in three cosmopolitan rotifers: a video analysis approach. <i>Hydrobiologia</i> , 2019, 844, 43-54.	2.0	11
64	Sexual and natural selection on morphological traits in a marine amphipod, <i>Pontogammarus maoticus</i> (Sowinsky, 1894). <i>Marine Biology Research</i> , 2011, 7, 135-146.	0.7	10
65	Multiple paternity in different populations of the sailfin molly, <i>Poecilia latipinna</i> . <i>Animal Biology</i> , 2012, 62, 245-262.	1.0	10
66	Allochthonous individuals in managed populations of the fire-bellied toad <i>Bombina bombina</i> : Genetic detection and conservation implications. <i>Limnologica</i> , 2012, 42, 291-298.	1.5	10
67	Projecting current and potential future distribution of the Fire-bellied toad <i>Bombina bombina</i> under climate change in north-eastern Germany. <i>Regional Environmental Change</i> , 2014, 14, 1063-1072.	2.9	10
68	Electric pulse characteristics can enable species recognition in African weakly electric fish species. <i>Scientific Reports</i> , 2018, 8, 10799.	3.3	10
69	Within species expressed genetic variability and gene expression response to different temperatures in the rotifer <i>Brachionus calyciflorus sensu stricto</i> . <i>PLoS ONE</i> , 2019, 14, e0223134.	2.5	10
70	Electric Organ Discharge Divergence Promotes Ecological Speciation in Sympatrically Occurring African Weakly Electric Fish (<i>Campylomormyrus</i>). , 2010, , 307-321.		10
71	Bisoniana 117. Mitochondrial DNA-RFLP analysis reveals low levels of genetic variation in European bison <i>Bison bonasus</i> . <i>Acta Theriologica</i> , 1998, 43, 83-87.	1.1	10
72	Female philopatry and male dispersal in a cryptic, bush-dwelling antelope: a combined molecular and behavioural approach. <i>Journal of Zoology</i> , 2010, 280, 213-220.	1.7	8

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73	Karyotype description of the African weakly electric fish <i>Campylomormyrus compressirostris</i> in the context of chromosome evolution in Osteoglossiformes. <i>Journal of Physiology (Paris)</i> , 2016, 110, 273-280.	2.1	8
74	Phylogeography of the European brook lamprey (<i>Lampetra planeri</i>) and the European river lamprey (<i>Lampetra fluviatilis</i>) species pair based on mitochondrial data. <i>Journal of Fish Biology</i> , 2020, 96, 905-912.	1.6	8
75	Adaptive and nonadaptive plasticity in changing environments: Implications for sexual species with different life history strategies. <i>Ecology and Evolution</i> , 2021, 11, 6341-6357.	1.9	8
76	A stochastic simulation model for Asian elephant <i>Elephas maximus</i> populations and the inheritance of tusks. <i>Acta Theriologica</i> , 1995, 40, 111-124.	1.1	8
77	Cover, food, competitors and individual densities within bushbuck <i>Tragelaphus scriptus</i> female clan home ranges. <i>Acta Theriologica</i> , 2006, 51, 319-326.	1.1	7
78	Mitochondrial control region I and microsatellite analyses of endangered Philippine hornbill species (Aves; Bucerotidae) detect gene flow between island populations and genetic diversity loss. <i>BMC Evolutionary Biology</i> , 2012, 12, 203.	3.2	7
79	Molecular divergence and evolutionary relationships among Aemodogryllinae from Southern China, Laos and Thailand (Orthoptera, Rhaphidophoridae). <i>Subterranean Biology</i> , 0, 10, 25-35.	5.0	7
80	Environmental niche factor analysis (ENFA) relates environmental parameters to abundance and genetic diversity in an endangered amphibian, the fire-bellied-toad (<i>Bombina bombina</i>). <i>Conservation Genetics</i> , 2014, 15, 11-21.	1.5	7
81	Restoration of the European Sturgeon <i>Acipenser sturio</i> in Germany. , 2011, , 309-333.		7
82	Comparative analysis of the gonadal transcriptomes of the all-female species <i>Poecilia formosa</i> and its maternal ancestor <i>Poecilia mexicana</i> . <i>BMC Research Notes</i> , 2014, 7, 249.	1.4	6
83	Identification and characterization of five polymorphic microsatellite loci in the freshwater copepod <i>Hemidiaptomus gurneyi</i> (Copepoda: Calanoida: Diaptomidae). <i>Italian Journal of Zoology</i> , 2016, 83, 146-150.	0.6	6
84	Putative origin and maternal relatedness of male sperm whales (<i>Physeter macrocephalus</i>) recently stranded in the North Sea. <i>Mammalian Biology</i> , 2018, 88, 156-160.	1.5	6
85	Genetic Diversity and Connectivity in Plant Species Differing in Clonality and Dispersal Mechanisms in Wetland Island Habitats. <i>Journal of Heredity</i> , 2021, 112, 108-121.	2.4	6
86	Mitochondrial DNA suggests multiple colonizations of central Philippine islands (Boracay, Negros) by the sedentary Philippine bulbul <i>Hypsipetes philippinus guimarasensis</i> (Aves). <i>Journal of Zoological Systematics and Evolutionary Research</i> , 2010, 48, 269.	1.4	5
87	Intron structure of the Elongation Factor 1-Alpha gene in the Ponto-Caspian amphipod <i>Pontogammarus maeoticus</i> (Sowinsky, 1894) and its phylogeographic utility. <i>Journal of Crustacean Biology</i> , 2012, 32, 425-433.	0.8	5
88	Sequence Evolution and Expression of the Androgen Receptor and Other Pathway-Related Genes in a Unisexual Fish, the Amazon Molly, <i>Poecilia formosa</i> , and Its Bisexual Ancestors. <i>PLoS ONE</i> , 2016, 11, e0156209.	2.5	5
89	Inter-individual differences in contamination profiles as tracer of social group association in stranded sperm whales. <i>Scientific Reports</i> , 2018, 8, 10958.	3.3	5
90	Allele-specific expression at the androgen receptor alpha gene in a hybrid unisexual fish, the Amazon molly (<i>Poecilia formosa</i>). <i>PLoS ONE</i> , 2017, 12, e0186411.	2.5	5

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91	Seasonal changes in the breeding origin of migrating Dunlins (<i>Calidris alpina</i>) as revealed by mitochondrial DNA sequencing. <i>Journal Fur Ornithologie</i> , 1999, 140, 319-323.	1.2	4
92	Intraspecific Rearrangement of Duplicated Mitochondrial Control Regions in the Luzon Tarictic Hornbill <i>Penelopides manillae</i> (Aves: Bucerotidae). <i>Journal of Molecular Evolution</i> , 2013, 77, 199-205.	1.8	4
93	Effects of habitat structure and land-use intensity on the genetic structure of the grasshopper species <i>Chorthippus parallelus</i> . <i>Royal Society Open Science</i> , 2014, 1, 140133.	2.4	4
94	Male size, not female preferences influence female reproductive success in a poeciliid fish (<i>Poecilia</i>). <i>Tj ETQq0 0 0 rgBT /Overlock 10 Tf 5</i>	1.4	4
95	Elevated mutation rates are unlikely to evolve in sexual species, not even under rapid environmental change. <i>BMC Evolutionary Biology</i> , 2019, 19, 175.	3.2	4
96	Morphological differentiation in African weakly electric fish (genus <i>Campylomormyrus</i>) relates to substrate preferences. <i>Evolutionary Ecology</i> , 2020, 34, 427-437.	1.2	4
97	Ontogeny of electric organ and electric organ discharge in <i>Campylomormyrus rhynchophorus</i> (Teleostei: Mormyridae). <i>Journal of Comparative Physiology A: Neuroethology, Sensory, Neural, and Behavioral Physiology</i> , 2020, 206, 453-466.	1.6	4
98	A phylogeny of the genus <i>Limia</i> (Teleostei: Poeciliidae) suggests a single-lake radiation nested in a Caribbean-wide allopatric speciation scenario. <i>BMC Research Notes</i> , 2021, 14, 425.	1.4	4
99	The complete mitochondrial genome of a European fire-bellied toad (<i>Bombina orientalis</i>) from Germany. <i>Mitochondrial DNA Part B: Resources</i> , 2019, 4, 498-500.	0.4	3
100	Ten new microsatellite loci for the yellowhammer (<i>Emberiza citrinella</i>) and their cross-species applicability among related taxa. <i>Molecular Ecology Notes</i> , 2007, 7, 1278-1280.	1.7	2
101	Intragenus F1-hybrids of African weakly electric fish (Mormyridae: <i>Campylomormyrus tamandua</i> and <i>C. longicauda</i>) and Behavioral Physiology, 2020, 206, 571-585.	1.6	2
102	Ontogeny of the electric organ discharge and of the papillae of the electrocytes in the weakly electric fish <i>Campylomormyrus rhynchophorus</i> (Teleostei: Mormyridae). <i>Journal of Comparative Neurology</i> , 2021, 529, 1052-1065.	1.6	2
103	Genomic consequences of human-mediated translocations in margin populations of an endangered amphibian. <i>Evolutionary Applications</i> , 2021, 14, 1623-1634.	3.1	2
104	Southern introgression increases adaptive immune gene variability in northern range margin populations of Fire-bellied toad. <i>Ecology and Evolution</i> , 2021, 11, 9776-9790.	1.9	2
105	Transcriptome-wide single nucleotide polymorphisms related to electric organ discharge differentiation among African weakly electric fish species. <i>PLoS ONE</i> , 2020, 15, e0240812.	2.5	2
106	Seed traits matter—Endozoochoric dispersal through a pervasive mobile linker. <i>Ecology and Evolution</i> , 2021, 11, 18477-18491.	1.9	2
107	Mitochondrial genomes of the freshwater monogonont rotifer <i>Brachionus fernandoi</i> and of two additional <i>B. calyciflorus</i> sensu stricto lineages from Germany and the USA (Rotifera). <i>Tj ETQq1 1 0.784314 rgBT /Overlock 1</i>	1.4	1
108	Fourteen new microsatellite markers for the Visayan tarictic hornbill (<i>Penelopides panini</i>) and their cross-species applicability among other endangered Philippine hornbills. <i>Conservation Genetics Resources</i> , 2012, 4, 435-438.	0.8	1

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109	Genetic Variability of Cultured European Sturgeon <i>Acipenser sturio</i> . , 2011, , 455-464.		1
110	Intergenous F1-hybrids of African weakly electric fish (Mormyridae: <i>Gnathonemus petersii</i> â™, Ã—) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 Neuroethology, Sensory, Neural, and Behavioral Physiology, 2022, 208, 355-371.	1.6	1
111	Genetic and morphological divergence among Gravel Bank Grasshoppers, <i>Chorthippus pullus</i> (Acrididae), from contrasting environments. <i>Organisms Diversity and Evolution</i> , 2010, 10, 381-395.	1.6	0
112	No evidence of genetic variation in microsatellite and mitochondrial DNA markers among remaining populations of the Strange-tailed Tyrant <i>Alectrurus risora</i> , an endangered grassland species. <i>Bird Conservation International</i> , 2015, 25, 127-138.	1.3	0