Res Altwegg

List of Publications by Year
in descending order

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Version: 2024-02-01

106 papers	3,580 citations	126708 33 h-index	168136 53 g-index
108 all docs	108 docs citations	108 times ranked	4988 citing authors

#	Article	IF	Citations
1	Out on a limb: female chameleons (Bradypodion pumilum) position themselves to minimise detection, whereas males maximise mating opportunity. African Journal of Herpetology, 2022, 71, 39-50.	0.3	3
2	Finding rare species and estimating the probability that all occupied sites have been found. Ecological Applications, 2022, 32, e2502.	1.8	0
3	Allometric relationships shape foreleg evolution of longâ€legged oil bees (Melittidae: Rediviva). Evolution; International Journal of Organic Evolution, 2021, 75, 437-449.	1.1	2
4	Mechanistic reconciliation of community and invasion ecology. Ecosphere, 2021, 12, e03359.	1.0	21
5	Does a tradeâ€off between growth plasticity and resource conservatism mediate postâ€fire shrubland responses to rainfall seasonality?. New Phytologist, 2021, 230, 1407-1420.	3.5	7
6	A demographic model to support an impact financing mechanism for black rhino metapopulations. Biological Conservation, 2021, 257, 109073.	1.9	5
7	Why a landscape view is important: nearby urban and agricultural land affects bird abundances in protected areas. PeerJ, 2021, 9, e10719.	0.9	2
8	A Machine Learning Algorithm Approach to Map Wildfire Probability Based on Static Parameters. , 2021, 13, .		0
9	Addition of Nitrogen Increases Variability of Vegetation Cover in an Arid System with Unpredictable Rainfall. Ecosystems, 2020, 23, 175-187.	1.6	4
10	Survival synchronicity in two avian insectivore communities. Ibis, 2020, 162, 787-800.	1.0	1
11	Plant richness, turnover, and evolutionary diversity track gradients of stability and ecological opportunity in a megadiversity center. Proceedings of the National Academy of Sciences of the United States of America, 2020, 117, 20027-20037.	3.3	28
12	Diversity of pollen sources used by managed honey bees in variegated landscapes. Journal of Apicultural Research, 2020, 59, 988-999.	0.7	8
13	Nest boxes buffer the effects of climate on breeding performance in an African urban raptor. PLoS ONE, 2020, 15, e0234503.	1.1	23
14	Can timeâ€toâ€detection models with fewer survey replicates provide a robust alternative to traditional siteâ€occupancy models?. Methods in Ecology and Evolution, 2020, 11, 643-655.	2.2	9
15	Individual heterogeneity in lifeâ€history tradeâ€offs with age at first reproduction in capital breeding elephant seals. Population Ecology, 2019, 61, 421-435.	0.7	18
16	An integrated population model sheds light on the complex population dynamics of a unique colonial breeder. Population Ecology, 2019, 61, 406-420.	0.7	3
17	Are animals shrinking due to climate change? Temperature-mediated selection on body mass in mountain wagtails. Oecologia, 2019, 189, 841-849.	0.9	14
18	Occupancy models for citizenâ€science data. Methods in Ecology and Evolution, 2019, 10, 8-21.	2.2	83

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19	Efficient Bayesian analysis of occupancy models with logit link functions. Ecology and Evolution, 2019, 9, 756-768.	0.8	18
20	Contest dynamics and assessment strategies in combatant monkey beetles (Scarabaeidae: Hopliini). Behavioral Ecology, 2019, 30, 713-723.	1.0	8
21	Dynamic multi-species occupancy models reveal individualistic habitat preferences in a high-altitude grassland bird community. PeerJ, 2019, 7, e6276.	0.9	11
22	Imperfect detection distorts depthâ€related trends in marine macrofaunal species richness. Ecography, 2018, 41, 1698-1706.	2.1	3
23	Extreme Climate-Induced Life-History Plasticity in an Amphibian. American Naturalist, 2018, 191, 250-258.	1.0	14
24	Effectiveness of protected areas for bird conservation depends on guild. Diversity and Distributions, 2018, 24, 1083-1091.	1.9	11
25	Climate change leads to increasing population density and impacts of a key island invader. Ecological Applications, 2018, 28, 212-224.	1.8	46
26	Factors affecting the foraging distance and duration of a colonial bird, the sociable weaver, in a semiâ€arid environment. African Journal of Ecology, 2018, 56, 659-663.	0.4	1
27	Phenotypic selection and covariation in the lifeâ€history traits of elephant seals: heavier offspring gain a double selective advantage. Oikos, 2018, 127, 875-889.	1.2	21
28	Migratory connectivity of barn swallows in South Africa to their Palaearctic breeding grounds. Diversity and Distributions, 2018, 24, 1699-1708.	1.9	3
29	Functional responses canâ€™t unify invasion ecology. Biological Invasions, 2017, 19, 1673-1676.	1.2	26
30	Rather than unifying invasion biology, Dick et al.â€™s approach rests on subjective foundations. Biological Invasions, 2017, 19, 1679-1680.	1.2	8
31	Estimating conservation metrics from atlas data: the case of southern African endemic birds. Bird Conservation International, 2017, 27, 323-336.	0.7	22
32	Learning from single extreme events. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160141.	1.8	53
33	Counting chirps: acoustic monitoring of cryptic frogs. Journal of Applied Ecology, 2017, 54, 894-902.	1.9	41
34	Identifying ecological and life-history drivers of population dynamics of wetland birds in South Africa. Global Ecology and Conservation, 2017, 12, 96-107.	1.0	11
35	Movement patterns and survival estimates of Blue Cranes in the Western Cape. Ostrich, 2017, 88, 33-43.	0.4	5
36	Early warning systems for biodiversity in southern Africa â€“ How much can citizen science mitigate imperfect data?. Biological Conservation, 2017, 208, 183-188.	1.9	27

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37	The second Southern African Bird Atlas Project: Causes and consequences of geographical sampling bias. Ecology and Evolution, 2017, 7, 6839-6849.	0.8	26
38	Die Brutvogelfauna eines Nadelwaldes der nÃ¶rdlichen Voralpen nach dem Sturm Lothar. Schweizerische Zeitschrift Fur Forstwesen, 2017, 168, 59-66.	0.5	0
39	Drivers of Bird Species Richness within Moist High-Altitude Grasslands in Eastern South Africa. PLoS ONE, 2016, 11, e0162609.	1.1	13
40	Coupled range dynamics of brood parasites and their hosts responding to climate and vegetation changes. Journal of Animal Ecology, 2016, 85, 1191-1199.	1.3	16
41	Explaining patterns of avian diversity and endemicity: climate and biomes of southern Africa over the last 140,000Âyears. Journal of Biogeography, 2016, 43, 874-886.	1.4	25
42	Incorporating species detectability into conservation targets based on the speciesâ€“area relationship. Diversity and Distributions, 2016, 22, 758-769.	1.9	7
43	Age, sex and social influences on adult survival in the cooperatively breeding Karoo Scrub-robin. Emu, 2016, 116, 394-401.	0.2	2
44	Dynamic occupancy models for explicit colonization processes. Ecology, 2016, 97, 194-204.	1.5	55
45	Do projections from bioclimatic envelope models and climate change metrics match?. Global Ecology and Biogeography, 2016, 25, 65-74.	2.7	19
46	A Variational Bayes Approach to the Analysis of Occupancy Models. PLoS ONE, 2016, 11, e0148966.	1.1	3
47	Climatic Influences on Survival of Migratory African Reed WarblersAcrocephalus baeticatusin South Africa. Ardea, 2015, 103, 163-174.	0.3	2
48	Twentyâ€five years of change in southern African passerine diversity: nonclimatic factors of change. Global Change Biology, 2015, 21, 3347-3355.	4.2	20
49	Decomposing the variance in southern elephant seal weaning mass: partitioning environmental signals and maternal effects. Ecosphere, 2015, 6, art139.	1.0	28
50	Departures from the Energy-Biodiversity Relationship in South African Passerines: Are the Legacies of Past Climates Mediated by Behavioral Constraints on Dispersal?. PLoS ONE, 2015, 10, e0133992.	1.1	5
51	Fire-mediated disruptive selection can explain the reseederâ€“resprouter dichotomy in Mediterranean-type vegetation. Oecologia, 2015, 177, 367-377.	0.9	12
52	A general framework for animal density estimation from acoustic detections across a fixed microphone array. Methods in Ecology and Evolution, 2015, 6, 38-48.	2.2	100
53	Low bird diversity in the Fynbos plant diversity hotspot: Quaternary legacies in the current distributions of passerine birds. Ecography, 2015, 38, 992-997.	2.1	4
54	Patterns of bird migration phenology in South Africa suggest northern hemisphere climate as the most consistent driver of change. Global Change Biology, 2015, 21, 2179-2190.	4.2	33

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55	The abundant centre syndrome and species distributions: insights from closely related species pairs in southern <scp>A</scp>frica. Global Ecology and Biogeography, 2015, 24, 215-225.	2.7	11
56	The <scp>compadre</scp><scp>P</scp>lant <scp>M</scp>atrix <scp>D</scp>atabase: an open online repository for plant demography. Journal of Ecology, 2015, 103, 202-218.	1.9	260
57	Roles of Spatial Scale and Rarity on the Relationship between Butterfly Species Richness and Human Density in South Africa. PLoS ONE, 2015, 10, e0124327.	1.1	8
58	Frog eat frog: exploring variables influencing anurophagy. PeerJ, 2015, 3, e1204.	0.9	29
59	Nestboxes and immigration drive the growth of an urban Peregrine Falcon Falco peregrinus population. Ibis, 2014, 156, 107-115.	1.0	60
60	Does seasonality drive spatial patterns in demography? Variation in survival in African reed warblers Acrocephalus baeticatus across southern Africa does not reflect global patterns. Ecology and Evolution, 2014, 4, 889-898.	0.8	13
61	A system dynamics approach to modelling multiple drivers of the African penguin population on Robben Island, South Africa. Ecological Modelling, 2014, 277, 38-56.	1.2	43
62	Climate, social factors and research disturbance influence population dynamics in a declining sociable weaver metapopulation. Oecologia, 2014, 174, 413-425.	0.9	17
63	Melanin-Specific Life-History Strategies. American Naturalist, 2014, 183, 269-280.	1.0	48
64	South temperate birds have higher apparent adult survival than tropical birds in Africa. Journal of Avian Biology, 2014, 45, 493-500.	0.6	37
65	Prediction of mean adult survival rates of southern African birds from demographic and ecological covariates. Ibis, 2014, 156, 741-754.	1.0	5
66	Ageâ€specific survival and movement among major African Penguin Spheniscus demersus colonies. Ibis, 2014, 156, 716-728.	1.0	39
67	Environmental Drivers of an Urban Hadeda Ibis Population. Ardea, 2014, 102, 21-29.	0.3	4
68	Spatial occupancy models applied to atlas data show Southern Ground Hornbills strongly depend on protected areas. , 2014, 24, 363-374.		44
69	Impacts of climate change in the Greater Cape Floristic Region. , 2014, , 299-320.		23
70	How Life History Influences Population Dynamics in Fluctuating Environments. American Naturalist, 2013, 182, 743-759.	1.0	152
71	Dynamic occupancy models for analyzing species' range dynamics across large geographic scales. Ecology and Evolution, 2013, 3, 4896-4909.	0.8	66
72	Densityâ€dependent dispersal and the speed of range expansions. Diversity and Distributions, 2013, 19, 60-68.	1.9	47

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73	Phenological Changes in the Southern Hemisphere. PLoS ONE, 2013, 8, e75514.	1.1	161
74	Revisiting the Effect of Capture Heterogeneity on Survival Estimates in Capture-Mark-Recapture Studies: Does It Matter?. PLoS ONE, 2013, 8, e62636.	1.1	36
75	Novel methods reveal shifts in migration phenology of barn swallows in South Africa. Proceedings of the Royal Society B: Biological Sciences, 2012, 279, 1485-1490.	1.2	35
76	Demography and population ecology of the Hadeda Ibis (Bostrychia hagedash) at its expanding range edge in South Africa. Journal of Ornithology, 2012, 153, 421-430.	0.5	13
77	Annual survival and breeding dispersal of a seabird adapted to a stable environment: implications for conservation. Journal of Ornithology, 2012, 153, 809-816.	0.5	7
78	Modelling relationships between species spatial abundance patterns and climate. Global Ecology and Biogeography, 2012, 21, 668-681.	2.7	32
79	Immature Survival and Age at First Breeding of Damara Terns: Conservation from a Non-Breeding Perspective. Ardea, 2011, 99, 185-190.	0.3	9
80	Large termitaria act as refugia for tall trees, deadwood and cavity-using birds in a miombo woodland. Landscape Ecology, 2011, 26, 439-448.	1.9	52
81	Chameleons on the move: survival and movement of the Cape dwarf chameleon, Bradypodion pumilum, within a fragmented urban habitat. African Zoology, 2010, 45, 99-106.	0.2	13
82	BIODIVERSITY RESEARCH: Soil moisture limits foraging: a possible mechanism for the range dynamics of the hadeda ibis in southern Africa. Diversity and Distributions, 2010, 16, 765-772.	1.9	14
83	Sexâ€dependent selection on an autosomal melanic female ornament promotes the evolution of sex ratio bias. Ecology Letters, 2010, 13, 616-626.	3.0	97
84	Chameleons on the Move: Survival and Movement of the Cape Dwarf Chameleon,Bradypodion pumilum, within a Fragmented Urban Habitat. African Zoology, 2010, 45, 99-106.	0.2	16
85	Trends in numbers of Kelp Gulls Larus dominicanus off western South Africa, 1978â€“2007. Ostrich, 2009, 80, 139-143.	0.4	15
86	Rainfall in arid zones: possible effects of climate change on the population ecology of blue cranes. Functional Ecology, 2009, 23, 1014-1021.	1.7	34
87	From both sides: Dire demographic consequences of carnivorous mice and longlining for the Critically Endangered Tristan albatrosses on Gough Island. Biological Conservation, 2009, 142, 1710-1718.	1.9	71
88	Climate and the range dynamics of species with imperfect detection. Biology Letters, 2008, 4, 581-584.	1.0	49
89	Long-term survival of de-oiled Cape gannets Morus capensis after the Castillo de Bellver oil spill of 1983. Biological Conservation, 2008, 141, 1924-1929.	1.9	32
90	The efficacy of hand-rearing penguin chicks: evidence from African Penguins (Spheniscus demersus) orphaned in the Treasure oil spill in 2000. Bird Conservation International, 2008, 18, 144-152.	0.7	46

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91	Breeding rate is associated with pheomelanism in male and with eumelanism in female barn owls. Behavioral Ecology, 2007, 18, 563-570.	1.0	49
92	Ageâ€Specific Fitness Components and Their Temporal Variation in the Barn Owl. American Naturalist, 2007, 169, 47-61.	1.0	67
93	An index to compare geographical distributions of species. Diversity and Distributions, 2007, 13, 829-835.	1.9	1
94	Geographic variation in reproduction and survival of kelp gulls Larus dominicanus vetula in southern Africa. Journal of Avian Biology, 2007, 38, 580-586.	0.6	13
95	MELANIN-BASED COLORATION IS A NONDIRECTIONALLY SELECTED SEX-SPECIFIC SIGNAL OF OFFSPRING DEVELOPMENT IN THE ALPINE SWIFT. Evolution; International Journal of Organic Evolution, 2006, 60, 2370-2380.	1.1	41
96	Demographic effects of extreme winter weather in the barn owl. Oecologia, 2006, 149, 44-51.	0.9	97
97	Generation time and temporal scaling of bird population dynamics. Nature, 2005, 436, 99-102.	13.7	172
98	Winter weather affects asp viper Vipera aspis population dynamics through susceptible juveniles. Oikos, 2005, 110, 55-66.	1.2	19
99	MATRIX MODEL INVESTIGATION OF INVASIVE SPECIES CONTROL: BULLFROGS ON VANCOUVER ISLAND. , 2005, 15, 2161-2170.		125
100	Winter weather affects asp viper Vipera aspis population dynamics through susceptible juveniles. Oikos, 2005, 110, 55-66.	1.2	53
101	Moult of three Palaearctic migrants in their West African winter quarters. Journal Fur Ornithologie, 2004, 145, 109-116.	1.2	32
102	Multistage density dependence in an amphibian. Oecologia, 2003, 136, 46-50.	0.9	84
103	Hungry predators render predator-avoidance behavior in tadpoles ineffective. Oikos, 2003, 100, 311-316.	1.2	26
104	Female colour polymorphism covaries with reproductive strategies in the tawny owlStrix aluco. Journal of Avian Biology, 2003, 34, 393-401.	0.6	61
105	PREDATOR-INDUCED LIFE-HISTORY PLASTICITY UNDER TIME CONSTRAINTS IN POOL FROGS. Ecology, 2002, 83, 2542-2551.	1.5	86
106	Phenotypic correlates and consequences of dispersal in a metapopulation of house sparrowsPasser domesticus. Journal of Animal Ecology, 2000, 69, 762-770.	1.3	85