# Res Altwegg

## List of Publications by Year
in descending order

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

| # | Article | IF | Citations |
|---|---------|-----|-----------|
| 1 | The compadrePlant Matrix Database: an open online repository for plant demography. Journal of Ecology, 2015, 103, 202-218. | 1.9 | 260 |
| 2 | Generation time and temporal scaling of bird population dynamics. Nature, 2005, 436, 99-102. | 13.7 | 172 |
| 3 | Phenological Changes in the Southern Hemisphere. PLoS ONE, 2013, 8, e75514. | 1.1 | 161 |
| 4 | How Life History Influences Population Dynamics in Fluctuating Environments. American Naturalist, 2013, 182, 743-759. | 1.0 | 152 |
| 5 | MATRIX MODEL INVESTIGATION OF INVASIVE SPECIES CONTROL: BULLFROGS ON VANCOUVER ISLAND. , 2005, 15, 2161-2170. | | 125 |
| 6 | 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 |
| 7 | Demographic effects of extreme winter weather in the barn owl. Oecologia, 2006, 149, 44-51. | 0.9 | 97 |
| 8 | Sex‐dependent selection on an autosomal melanic female ornament promotes the evolution of sex ratio bias. Ecology Letters, 2010, 13, 616-626. | 3.0 | 97 |
| 9 | PREDATOR-INDUCED LIFE-HISTORY PLASTICITY UNDER TIME CONSTRAINTS IN POOL FROGS. Ecology, 2002, 83, 2542-2551. | 1.5 | 86 |
| 10 | Phenotypic correlates and consequences of dispersal in a metapopulation of house sparrowsPasser domesticus. Journal of Animal Ecology, 2000, 69, 762-770. | 1.3 | 85 |
| 11 | Multistage density dependence in an amphibian. Oecologia, 2003, 136, 46-50. | 0.9 | 84 |
| 12 | Occupancy models for citizen‐science data. Methods in Ecology and Evolution, 2019, 10, 8-21. | 2.2 | 83 |
| 13 | 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 |
| 14 | Age‐Specific Fitness Components and Their Temporal Variation in the Barn Owl. American Naturalist, 2007, 169, 47-61. | 1.0 | 67 |
| 15 | Dynamic occupancy models for analyzing species' range dynamics across large geographic scales. Ecology and Evolution, 2013, 3, 4896-4909. | 0.8 | 66 |
| 16 | Female colour polymorphism covaries with reproductive strategies in the tawny owlStrix aluco. Journal of Avian Biology, 2003, 34, 393-401. | 0.6 | 61 |
| 17 | Nestboxes and immigration drive the growth of an urban Peregrine Falcon *Falco peregrinus* population. Ibis, 2014, 156, 107-115. | 1.0 | 60 |
| 18 | Dynamic occupancy models for explicit colonization processes. Ecology, 2016, 97, 194-204. | 1.5 | 55 |

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| 19 | Winter weather affects asp viper Vipera aspis population dynamics through susceptible juveniles. Oikos, 2005, 110, 55-66. | 1.2 | 53 |
| 20 | Learning from single extreme events. Philosophical Transactions of the Royal Society B: Biological Sciences, 2017, 372, 20160141. | 1.8 | 53 |
| 21 | 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 |
| 22 | Breeding rate is associated with pheomelanism in male and with eumelanism in female barn owls. Behavioral Ecology, 2007, 18, 563-570. | 1.0 | 49 |
| 23 | Climate and the range dynamics of species with imperfect detection. Biology Letters, 2008, 4, 581-584. | 1.0 | 49 |
| 24 | Melanin-Specific Life-History Strategies. American Naturalist, 2014, 183, 269-280. | 1.0 | 48 |
| 25 | Density‐dependent dispersal and the speed of range expansions. Diversity and Distributions, 2013, 19, 60-68. | 1.9 | 47 |
| 26 | 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 |
| 27 | Climate change leads to increasing population density and impacts of a key island invader. Ecological Applications, 2018, 28, 212-224. | 1.8 | 46 |
| 28 | Spatial occupancy models applied to atlas data show Southern Ground Hornbills strongly depend on protected areas. , 2014, 24, 363-374. | | 44 |
| 29 | 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 |
| 30 | 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 |
| 31 | Counting chirps: acoustic monitoring of cryptic frogs. Journal of Applied Ecology, 2017, 54, 894-902. | 1.9 | 41 |
| 32 | Age‐specific survival and movement among major African Penguin *Spheniscus demersus* colonies. Ibis, 2014, 156, 716-728. | 1.0 | 39 |
| 33 | South temperate birds have higher apparent adult survival than tropical birds in Africa. Journal of Avian Biology, 2014, 45, 493-500. | 0.6 | 37 |
| 34 | 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 |
| 35 | 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 |
| 36 | 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 |

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|---|---------|----|-----------| 
| 37 | 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 |
| 38 | Moult of three Palaearctic migrants in their West African winter quarters. Journal Fur Ornithologie, 2004, 145, 109-116. | 1.2 | 32 |
| 39 | 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 |
| 40 | Modelling relationships between species spatial abundance patterns and climate. Global Ecology and Biogeography, 2012, 21, 668-681. | 2.7 | 32 |
| 41 | Frog eat frog: exploring variables influencing anurophagy. PeerJ, 2015, 3, e1204. | 0.9 | 29 |
| 42 | Decomposing the variance in southern elephant seal weaning mass: partitioning environmental signals and maternal effects. Ecosphere, 2015, 6, art139. | 1.0 | 28 |
| 43 | 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 |
| 44 | 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 |
| 45 | Hungry predators render predator-avoidance behavior in tadpoles ineffective. Oikos, 2003, 100, 311-316. | 1.2 | 26 |
| 46 | Functional responses canâ€™t unify invasion ecology. Biological Invasions, 2017, 19, 1673-1676. | 1.2 | 26 |
| 47 | The second Southern African Bird Atlas Project: Causes and consequences of geographical sampling bias. Ecology and Evolution, 2017, 7, 6839-6849. | 0.8 | 26 |
| 48 | 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 |
| 49 | Nest boxes buffer the effects of climate on breeding performance in an African urban raptor. PLoS ONE, 2020, 15, e0234503. | 1.1 | 23 |
| 50 | Impacts of climate change in the Greater Cape Floristic Region. , 2014, , 299-320. |  | 23 |
| 51 | Estimating conservation metrics from atlas data: the case of southern African endemic birds. Bird Conservation International, 2017, 27, 323-336. | 0.7 | 22 |
| 52 | 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 |
| 53 | Mechanistic reconciliation of community and invasion ecology. Ecosphere, 2021, 12, e03359. | 1.0 | 21 |
| 54 | Twentyâ€five years of change in southern African passerine diversity: nonclimatic factors of change. Global Change Biology, 2015, 21, 3347-3355. | 4.2 | 20 |

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| 55 | Winter weather affects asp viper Vipera aspis population dynamics through susceptible juveniles. Oikos, 2005, 110, 55-66. | 1.2 | 19 |
| 56 | Do projections from bioclimatic envelope models and climate change metrics match?. Global Ecology and Biogeography, 2016, 25, 65-74. | 2.7 | 19 |
| 57 | Individual heterogeneity in life‐history trade‐offs with age at first reproduction in capital breeding elephant seals. Population Ecology, 2019, 61, 421-435. | 0.7 | 18 |
| 58 | Efficient Bayesian analysis of occupancy models with logit link functions. Ecology and Evolution, 2019, 9, 756-768. | 0.8 | 18 |
| 59 | Climate, social factors and research disturbance influence population dynamics in a declining sociable weaver metapopulation. Oecologia, 2014, 174, 413-425. | 0.9 | 17 |
| 60 | Chameleons on the Move: Survival and Movement of the Cape Dwarf Chameleon,<i>Bradypodion pumilum</i>, within a Fragmented Urban Habitat. African Zoology, 2010, 45, 99-106. | 0.2 | 16 |
| 61 | 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 |
| 62 | Trends in numbers of Kelp Gulls <i>Larus dominicanus</i> off western South Africa, 1978–2007. Ostrich, 2009, 80, 139-143. | 0.4 | 15 |
| 63 | 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 |
| 64 | Extreme Climate-Induced Life-History Plasticity in an Amphibian. American Naturalist, 2018, 191, 250-258. | 1.0 | 14 |
| 65 | Are animals shrinking due to climate change? Temperature-mediated selection on body mass in mountain wagtails. Oecologia, 2019, 189, 841-849. | 0.9 | 14 |
| 66 | 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 |
| 67 | 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 |
| 68 | Does seasonality drive spatial patterns in demography? Variation in survival in African reed warblers <i>Acrocephalus baeticatus</i> across southern Africa does not reflect global patterns. Ecology and Evolution, 2014, 4, 889-898. | 0.8 | 13 |
| 69 | Drivers of Bird Species Richness within Moist High-Altitude Grasslands in Eastern South Africa. PLoS ONE, 2016, 11, e0162609. | 1.1 | 13 |
| 70 | 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 |
| 71 | Fire-mediated disruptive selection can explain the reseeder–resprouter dichotomy in Mediterranean-type vegetation. Oecologia, 2015, 177, 367-377. | 0.9 | 12 |
| 72 | 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 |

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|---|---------|----|-----------|
| 73 | 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 |
| 74 | Effectiveness of protected areas for bird conservation depends on guild. Diversity and Distributions, 2018, 24, 1083-1091. | 1.9 | 11 |
| 75 | Dynamic multi-species occupancy models reveal individualistic habitat preferences in a high-altitude grassland bird community. PeerJ, 2019, 7, e6276. | 0.9 | 11 |
| 76 | Immature Survival and Age at First Breeding of Damara Terns: Conservation from a Non-Breeding Perspective. Ardea, 2011, 99, 185-190. | 0.3 | 9 |
| 77 | Can time‐to‐detection models with fewer survey replicates provide a robust alternative to traditional site‐occupancy models?. Methods in Ecology and Evolution, 2020, 11, 643-655. | 2.2 | 9 |
| 78 | Rather than unifying invasion biology, Dick et al.'s approach rests on subjective foundations. Biological Invasions, 2017, 19, 1679-1680. | 1.2 | 8 |
| 79 | Contest dynamics and assessment strategies in combatant monkey beetles (Scarabaeidae: Hopliini). Behavioral Ecology, 2019, 30, 713-723. | 1.0 | 8 |
| 80 | Diversity of pollen sources used by managed honey bees in variegated landscapes. Journal of Apicultural Research, 2020, 59, 988-999. | 0.7 | 8 |
| 81 | 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 |
| 82 | 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 |
| 83 | Incorporating species detectability into conservation targets based on the species‐area relationship. Diversity and Distributions, 2016, 22, 758-769. | 1.9 | 7 |
| 84 | Does a trade‐off between growth plasticity and resource conservatism mediate post‐fire shrubland responses to rainfall seasonality?. New Phytologist, 2021, 230, 1407-1420. | 3.5 | 7 |
| 85 | Prediction of mean adult survival rates of southern African birds from demographic and ecological covariates. Ibis, 2014, 156, 741-754. | 1.0 | 5 |
| 86 | 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 |
| 87 | Movement patterns and survival estimates of Blue Cranes in the Western Cape. Ostrich, 2017, 88, 33-43. | 0.4 | 5 |
| 88 | A demographic model to support an impact financing mechanism for black rhino metapopulations. Biological Conservation, 2021, 257, 109073. | 1.9 | 5 |
| 89 | Environmental Drivers of an Urban Hadeda Ibis Population. Ardea, 2014, 102, 21-29. | 0.3 | 4 |
| 90 | 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 |

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|---|---------|----|-----------|
| 91 | Addition of Nitrogen Increases Variability of Vegetation Cover in an Arid System with Unpredictable Rainfall. Ecosystems, 2020, 23, 175-187. | 1.6 | 4 |
| 92 | Imperfect detection distorts depth‐related trends in marine macrofaunal species richness. Ecography, 2018, 41, 1698-1706. | 2.1 | 3 |
| 93 | Migratory connectivity of barn swallows in South Africa to their Palaearctic breeding grounds. Diversity and Distributions, 2018, 24, 1699-1708. | 1.9 | 3 |
| 94 | 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 |
| 95 | A Variational Bayes Approach to the Analysis of Occupancy Models. PLoS ONE, 2016, 11, e0148966. | 1.1 | 3 |
| 96 | 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 |
| 97 | Climatic Influences on Survival of Migratory African Reed Warblers *Acrocephalus baeticatus* in South Africa. Ardea, 2015, 103, 163-174. | 0.3 | 2 |
| 98 | Age, sex and social influences on adult survival in the cooperatively breeding Karoo Scrub-robin. Emu, 2016, 116, 394-401. | 0.2 | 2 |
| 99 | Allometric relationships shape foreleg evolution of long‐legged oil bees (Melittidae: *Rediviva* ). Evolution; International Journal of Organic Evolution, 2021, 75, 437-449. | 1.1 | 2 |
| 100 | Why a landscape view is important: nearby urban and agricultural land affects bird abundances in protected areas. PeerJ, 2021, 9, e10719. | 0.9 | 2 |
| 101 | An index to compare geographical distributions of species. Diversity and Distributions, 2007, 13, 829-835. | 1.9 | 1 |
| 102 | Factors affecting the foraging distance and duration of a colonial bird, the sociable weaver, in a semi‐arid environment. African Journal of Ecology, 2018, 56, 659-663. | 0.4 | 1 |
| 103 | Survival synchronicity in two avian insectivore communities. Ibis, 2020, 162, 787-800. | 1.0 | 1 |
| 104 | Die Brutvogelfauna eines Nadelwaldes der nördlichen Voralpen nach dem Sturm Lothar. Schweizerische Zeitschrift Fur Forstwesen, 2017, 168, 59-66. | 0.5 | 0 |
| 105 | Finding rare species and estimating the probability that all occupied sites have been found. Ecological Applications, 2022, 32, e2502. | 1.8 | 0 |
| 106 | A Machine Learning Algorithm Approach to Map Wildfire Probability Based on Static Parameters. , 2021, 13, . | | 0 |