Andrew P Beckerman

List of Publications by Year
in descending order

102 papers	7,356 citations	87888 38 h-index	56724 83 g-index
112 all docs	112 docs citations	112 times ranked	10236 citing authors

#	Article	IF	Citations
1	Trophic Cascades in Terrestrial Systems: A Review of the Effects of Carnivore Removals on Plants. American Naturalist, 2000, 155, 141-153.	2.1	866
2	BEHAVIORALLY MEDIATED TROPHIC CASCADES: EFFECTS OF PREDATION RISK ON FOOD WEB INTERACTIONS. Ecology, 1997, 78, 1388-1399.	3.2	715
3	Adaptation genomics: the next generation. Trends in Ecology and Evolution, 2010, 25, 705-712.	8.7	589
4	Size, foraging, and food web structure. Proceedings of the National Academy of Sciences of the United States of America, 2008, 105, 4191-4196.	7.1	441
5	The relationship of leaf photosynthetic traits â€“ V_{cmax} and J_{max} â€“ to leaf nitrogen, leaf phosphorus, and specific leaf area: a metaâ€analysis and modeling study. Ecology and Evolution, 2014, 4, 3218-3235.	1.9	338
6	Humanâ€“predatorâ€“prey conflicts: ecological correlates, prey losses and patterns of management. Biological Conservation, 2005, 122, 159-171.	4.1	300
7	Experimental evidence for a behavior-mediated trophic cascade in a terrestrial food chain. Proceedings of the National Academy of Sciences of the United States of America, 1997, 94, 10735-10738.	7.1	288
8	Population dynamic consequences of delayed life-history effects. Trends in Ecology and Evolution, 2002, 17, 263-269.	8.7	274
9	The ecological forecast horizon, and examples of its uses and determinants. Ecology Letters, 2015, 18, 597-611.	6.4	242
10	Foraging biology predicts food web complexity. Proceedings of the National Academy of Sciences of the United States of America, 2006, 103, 13745-13749.	7.1	206
11	Oil pollution and climate have wide-scale impacts on seabird demographics. Ecology Letters, 2005, 8, 1157-1164.	6.4	151
12	Herbivory and plant resource competition: a review of two interacting interactions. Oikos, 2003, 101, 26-37.	2.7	137
13	Climate warming strengthens indirect interactions in an oldâ€field food web. Ecology, 2009, 90, 2346-2351.	3.2	133
14	Urban bird declines and the fear of cats. Animal Conservation, 2007, 10, 320-325.	2.9	120
15	Changes in maternal investment in eggs can affect population dynamics. Proceedings of the Royal Society B: Biological Sciences, 2005, 272, 1351-1356.	2.6	107
16	Costs, benefits and the evolution of inducible defences: a case study with Daphnia pulex. Journal of Evolutionary Biology, 2008, 21, 705-715.	1.7	98
17	Experimental Removal and Elevation of Sexual Selection: Does Sexual Selection Generate Manipulative Males and Resistant Females?. American Naturalist, 2005, 165, S72-S87.	2.1	94
18	Behavioural versus physiological mediation of life history under predation risk. Oecologia, 2007, 152, 335-343.	2.0	92

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19	Daphnia magna transcriptome by RNA-Seq across 12 environmental stressors. Scientific Data, 2016, 3, 160030.	5.3	89
20	Greenland precipitation trends in a longâ€term instrumental climate context (1890â€“2012): evaluation of coastal and ice core records. International Journal of Climatology, 2015, 35, 303-320.	3.5	84
21	Age and size at maturity: sex, environmental variability and developmental thresholds. Proceedings of the Royal Society B: Biological Sciences, 2004, 271, 919-924.	2.6	80
22	Talkinâ€™ 'bout My Generation: Environmental Variability and Cohort Effects. American Naturalist, 2003, 162, 754-767.	2.1	79
23	Little evidence for limiting similarity in a longâ€term study of a roadside plant community. Journal of Ecology, 2010, 98, 480-487.	4.0	72
24	Population synchrony and environmental variation: an experimental demonstration. Ecology Letters, 2001, 4, 236-243.	6.4	71
25	Consequences of â€˜loadâ€lighteningâ€™ for future indirect fitness gains by helpers in a cooperatively breeding bird. Journal of Animal Ecology, 2010, 79, 529-537.	2.8	68
26	Maternal effects and the stability of population dynamics in noisy environments. Journal of Animal Ecology, 2001, 70, 590-599.	2.8	66
27	The reaction norm of size and age at maturity under multiple predator risk. Journal of Animal Ecology, 2010, 79, 1069-1076.	2.8	66
28	Adaptive foragers and community ecology: linking individuals to communities and ecosystems. Functional Ecology, 2010, 24, 1-6.	3.6	64
29	Climate change research and action must look beyond 2100. Global Change Biology, 2022, 28, 349-361.	9.5	63
30	Refocusing multiple stressor research around the targets and scales of ecological impacts. Nature Ecology and Evolution, 2021, 5, 1478-1489.	7.8	59
31	Combined use of pheromone trails and visual landmarks by the common garden ant Lasius niger. Behavioral Ecology and Sociobiology, 2008, 63, 261-267.	1.4	58
32	How effective are maternal effects at having effects?. Proceedings of the Royal Society B: Biological Sciences, 2006, 273, 485-493.	2.6	52
33	Mass loss and imbalance of glaciers along the Andes Cordillera to the sub-Antarctic islands. Global and Planetary Change, 2015, 133, 109-119.	3.5	52
34	The alignment between phenotypic plasticity, the major axis of genetic variation and the response to selection. Proceedings of the Royal Society B: Biological Sciences, 2015, 282, 20151651.	2.6	51
35	The population response to environmental noise: population size, variance and correlation in an experimental system. Journal of Animal Ecology, 2002, 71, 320-332.	2.8	50
36	Quantifying multivariate plasticity: genetic variation in resource acquisition drives plasticity in resource allocation to components of life history. Ecology Letters, 2013, 16, 281-290.	6.4	50

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37	Phenotypic convergence along a gradient of predation risk. Proceedings of the Royal Society B: Biological Sciences, 2011, 278, 1687-1696.	2.6	49
38	New perspectives on the bioremediation of endocrine disrupting compounds from wastewater using algae-, bacteria- and fungi-based technologies. International Journal of Environmental Science and Technology, 2021, 18, 89-106.	3.5	48
39	Adaptive foraging and the rewiring of size-structured food webs following extinctions. Basic and Applied Ecology, 2011, 12, 562-570.	2.7	42
40	Predation drives local adaptation of phenotypic plasticity. Nature Ecology and Evolution, 2018, 2, 100-107.	7.8	40
41	Functional responses of adaptive consumers and community stability with emphasis on the dynamics of plant-herbivore systems. Evolutionary Ecology, 1997, 11, 773-784.	1.2	35
42	The combined effects of energy and disturbance on species richness in protist microcosms. Ecology Letters, 2005, 8, 730-738.	6.4	35
43	The consequences of size dependent foraging for food web topology. Oikos, 2011, 120, 493-502.	2.7	35
44	How maladaptation can structure biodiversity: eco-evolutionary island biogeography. Trends in Ecology and Evolution, 2015, 30, 154-160.	8.7	34
45	PREDATOR-DRIVEN TRAIT DIVERSIFICATION IN A DRAGONFLY GENUS: COVARIATION IN BEHAVIORAL AND MORPHOLOGICAL ANTIPREDATOR DEFENSE. Evolution; International Journal of Organic Evolution, 2010, 64, 3327-3335.	2.3	33
46	Predictability of the impact of multiple stressors on the keystone species Daphnia. Scientific Reports, 2018, 8, 17572.	3.3	32
47	Ecological and demographic correlates of helping behaviour in a cooperatively breeding bird. Journal of Animal Ecology, 2013, 82, 486-494.	2.8	30
48	The myriad of complex demographic responses of terrestrial mammals to climate change and gaps of knowledge: A global analysis. Journal of Animal Ecology, 2021, 90, 1398-1407.	2.8	30
49	A shared mechanism of defense against predators and parasites: chitin regulation and its implications for lifeâ€history theory. Ecology and Evolution, 2013, 3, 5119-5126.	1.9	28
50	A Metaproteomic Analysis of the Response of a Freshwater Microbial Community under Nutrient Enrichment. Frontiers in Microbiology, 2016, 7, 1172.	3.5	28
51	Population Dynamics in a Noisy World: Lessons From a Mite Experimental System. Advances in Ecological Research, 2005, 37, 143-181.	2.7	27
52	The Chronic Effects of Copper and Cadmium on Life History Traits Across Cladocera Species: A Meta-analysis. Archives of Environmental Contamination and Toxicology, 2019, 76, 1-16.	4.1	26
53	COUNTERINTUITIVE OUTCOMES OF INTERSPECIFIC COMPETITION BETWEEN TWO GRASSHOPPER SPECIES ALONG A RESOURCE GRADIENT. Ecology, 2000, 81, 948-957.	3.2	25
54	Reconciling variability and optimal behaviour using multiple criteria in optimization models. Evolutionary Ecology, 1998, 12, 73-94.	1.2	24

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55	Predation and kin-structured populations: an empirical perspective on the evolution of cooperation. Behavioral Ecology, 2011, 22, 1294-1303.	2.2	22
56	Ecology and Evolution in an Open World (or: why supplementary data are evil). Ecology and Evolution, 2016, 6, 2655-2656.	1.9	22
57	Endocrine regulation of predator-induced phenotypic plasticity. Oecologia, 2014, 176, 625-635.	2.0	21
58	The impact of intraspecific variation on food web structure. Ecology, 2018, 99, 2712-2720.	3.2	19
59	Precise time interactions between behavioural and morphological defences. Oikos, 2010, 119, 494-499.	2.7	18
60	Bridging gaps in demographic analysis with phylogenetic imputation. Conservation Biology, 2021, 35, 1210-1221.	4.7	18
61	Reciprocity in predatorâ€“prey interactions: exposure to defended prey and predation risk affects intermediate predator life history and morphology. Oecologia, 2010, 163, 193-202.	2.0	17
62	The distribution of Melanoplus femurrubrum: fear and freezing in Connecticut. Oikos, 2002, 99, 131-140.	2.7	16
63	Antagonistic interactions between an invasive alien and a native coccinellid species may promote coexistence. Journal of Animal Ecology, 2016, 85, 1087-1097.	2.8	16
64	Evolution of a predator-induced, nonlinear reaction norm. Proceedings of the Royal Society B: Biological Sciences, 2017, 284, 20170859.	2.6	15
65	The shape of things eaten: the functional response of herbivores foraging adaptively. Oikos, 2005, 110, 591-601.	2.7	13
66	Metabolic Insights Into Infochemicals Induced Colony Formation and Flocculation in Scenedesmus subspicatus Unraveled by Quantitative Proteomics. Frontiers in Microbiology, 2020, 11, 792.	3.5	13
67	The Andes Cordillera. Part IV: spatioâ€temporal freshwater runâ€off distribution to adjacent seas (1979â€“2014). International Journal of Climatology, 2017, 37, 3175-3196.	3.5	12
68	Sexual size dimorphism and the integration of phenotypically plastic traits. Ecological Entomology, 2013, 38, 418-428.	2.2	11
69	Latitude or biogeographic breaks? Determinants of phenotypic (co)variation in fitness-related traits in Betaeus truncatus along the Chilean coast. Marine Biology, 2014, 161, 111-118.	1.5	10
70	Infectious food webs. Journal of Animal Ecology, 2009, 78, 493-496.	2.8	9
71	From adaptation to molecular evolution. Heredity, 2012, 108, 457-459.	2.6	8
72	What can modern statistical tools do for limnology?. Journal of Limnology, 2014, 73, .	1.1	8

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73	Evaluating additive versus interactive effects of copper and cadmium on Daphnia pulex life history. Environmental Science and Pollution Research, 2020, 27, 2015-2026.	5.3	8
74	Marine conservation: towards a multi-layered network approach. Philosophical Transactions of the Royal Society B: Biological Sciences, 2020, 375, 20190459.	4.0	8
75	INTRASPECIFIC COMPETITION: THE ROLE OF LAGS BETWEEN ATTACK AND DEATH IN HOSTâ€“PARASITOID INTERACTIONS. Ecology, 2007, 88, 1225-1231.	3.2	6
76	Can invasions occur without change? A comparison of G â€matrices and selection in the peachâ€potato aphid, M yzus persicae. Ecology and Evolution, 2013, 3, 5109-5118.	1.9	6
77	The use of natural infochemicals for sustainable and efficient harvesting of the microalgae Scenedesmus spp. for biotechnology: insights from a meta-analysis. Biotechnology Letters, 2016, 38, 1983-1990.	2.2	6
78	Competitive growth experiments with a high-lipid Chlamydomonas reinhardtii mutant strain and its wild-type to predict industrial and ecological risks. AMB Express, 2017, 7, 10.	3.0	6
79	Niche and neutral processes leave distinct structural imprints on indirect interactions in mutualistic networks. Functional Ecology, 2021, 35, 753-763.	3.6	6
80	The evolution of the traplining pollinator role in hummingbirds: specialization is not an evolutionary dead end. Proceedings of the Royal Society B: Biological Sciences, 2022, 289, 20212484.	2.6	6
81	Experimental evolution of local adaptation under unidimensional and multidimensional selection. Current Biology, 2022, 32, 1310-1318.e4.	3.9	6
82	Fit, efficiency, and biology: Some thoughts on judging food web models. Journal of Theoretical Biology, 2011, 279, 169-171.	1.7	5
83	Nature Notes: A new category for natural history studies. Ecology and Evolution, 2020, 10, 7952-7952.	1.9	5
84	The microbiome mediates the interaction between predation and heavy metals. Science of the Total Environment, 2021, 775, 145144.	8.0	5
85	Coordination of care by breeders and helpers in the cooperatively breeding long-tailed tit. Behavioral Ecology, 2022, 33, 844-858.	2.2	5
86	Eco-evolutionary Biology: Feeding and Feedback Loops. Current Biology, 2016, 26, R161-R164.	3.9	3
87	Academic practice in ecology and evolution: Soliciting a new category of manuscript. Ecology and Evolution, 2017, 7, 5030-5031.	1.9	3
88	Structural Equation Modelling Reveals That Nutrients and Physicochemistry Act Additively on the Dynamics of a Microcosm-Based Biotic Community. Biology, 2019, 8, 87.	2.8	3
89	Statistical EOF analysis of spatiotemporal glacier mass-balance variability: a case study of Mittivakkat Gletscher, SE Greenland. Geografisk Tidsskrift, 2018, 118, 1-16.	0.6	2
90	Data Management, Manipulation, and Exploration with dplyr. , 2017, , 57-78.		2

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91	Metaproteomics of Freshwater Microbial Communities. Methods in Molecular Biology, 2019, 1977, 145-155.	0.9	1
92	Exploring context dependency in ecoâ€evolutionary patterns with the stick insect Timema cristinae. Ecology and Evolution, 2020, 10, 8197-8209.	1.9	1
93	Final Comments and Encouragement. , 2012, , 105-108.		0
94	Why R?. , 2012, , 1-4.		0
95	Some Applications of Multitrophic Level Ecological Theory to Agroforestry Systems. , 1999, , .		0
96	Introducing Statistics in R. , 2017, , 93-130.		0
97	Advancing Your Statistics in R. , 2017, , 131-166.		0
98	Closing Remarks: Final Comments and Encouragement. , 2017, , 219-222.		0
99	Visualizing Your Data. , 2017, , 79-92.		0
100	Getting Started with Generalized Linear Models. , 2017, , 167-202.		0
101	Getting Your Data into R. , 2017, , 35-56.		0
102	Pimping Your Plots: Scales and Themes in ggplot2. , 2017, , 203-218.		0