

Andrew P Beckerman

List of Publications by Year in descending order

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Version: 2024-02-01

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	Climate change research and action must look beyond 2100. <i>Global Change Biology</i> , 2022, 28, 349-361.	9.5	63
2	The evolution of the traplining pollinator role in hummingbirds: specialization is not an evolutionary dead end. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2022, 289, 20212484.	2.6	6
3	Experimental evolution of local adaptation under unidimensional and multidimensional selection. <i>Current Biology</i> , 2022, 32, 1310-1318.e4.	3.9	6
4	Coordination of care by breeders and helpers in the cooperatively breeding long-tailed tit. <i>Behavioral Ecology</i> , 2022, 33, 844-858.	2.2	5
5	New perspectives on the bioremediation of endocrine disrupting compounds from wastewater using algae-, bacteria- and fungi-based technologies. <i>International Journal of Environmental Science and Technology</i> , 2021, 18, 89-106.	3.5	48
6	Bridging gaps in demographic analysis with phylogenetic imputation. <i>Conservation Biology</i> , 2021, 35, 1210-1221.	4.7	18
7	Niche and neutral processes leave distinct structural imprints on indirect interactions in mutualistic networks. <i>Functional Ecology</i> , 2021, 35, 753-763.	3.6	6
8	The myriad of complex demographic responses of terrestrial mammals to climate change and gaps of knowledge: A global analysis. <i>Journal of Animal Ecology</i> , 2021, 90, 1398-1407.	2.8	30
9	The microbiome mediates the interaction between predation and heavy metals. <i>Science of the Total Environment</i> , 2021, 775, 145144.	8.0	5
10	Refocusing multiple stressor research around the targets and scales of ecological impacts. <i>Nature Ecology and Evolution</i> , 2021, 5, 1478-1489.	7.8	59
11	Evaluating additive versus interactive effects of copper and cadmium on <i>Daphnia pulex</i> life history. <i>Environmental Science and Pollution Research</i> , 2020, 27, 2015-2026.	5.3	8
12	Nature Notes: A new category for natural history studies. <i>Ecology and Evolution</i> , 2020, 10, 7952-7952.	1.9	5
13	Exploring context dependency in eco-evolutionary patterns with the stick insect <i>Timema cristinae</i> . <i>Ecology and Evolution</i> , 2020, 10, 8197-8209.	1.9	1
14	Metabolic Insights Into Infochemicals Induced Colony Formation and Flocculation in <i>Scenedesmus subspicatus</i> Unraveled by Quantitative Proteomics. <i>Frontiers in Microbiology</i> , 2020, 11, 792.	3.5	13
15	Marine conservation: towards a multi-layered network approach. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2020, 375, 20190459.	4.0	8
16	Metaproteomics of Freshwater Microbial Communities. <i>Methods in Molecular Biology</i> , 2019, 1977, 145-155.	0.9	1
17	Structural Equation Modelling Reveals That Nutrients and Physicochemistry Act Additively on the Dynamics of a Microcosm-Based Biotic Community. <i>Biology</i> , 2019, 8, 87.	2.8	3
18	The Chronic Effects of Copper and Cadmium on Life History Traits Across Cladocera Species: A Meta-analysis. <i>Archives of Environmental Contamination and Toxicology</i> , 2019, 76, 1-16.	4.1	26

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19	Statistical EOF analysis of spatiotemporal glacier mass-balance variability: a case study of Mittivakkat Gletscher, SE Greenland. <i>Geografisk Tidsskrift</i> , 2018, 118, 1-16.	0.6	2
20	Predictability of the impact of multiple stressors on the keystone species <i>Daphnia</i> . <i>Scientific Reports</i> , 2018, 8, 17572.	3.3	32
21	The impact of intraspecific variation on food web structure. <i>Ecology</i> , 2018, 99, 2712-2720.	3.2	19
22	Predation drives local adaptation of phenotypic plasticity. <i>Nature Ecology and Evolution</i> , 2018, 2, 100-107.	7.8	40
23	Competitive growth experiments with a high-lipid <i>Chlamydomonas reinhardtii</i> mutant strain and its wild-type to predict industrial and ecological risks. <i>AMB Express</i> , 2017, 7, 10.	3.0	6
24	Evolution of a predator-induced, nonlinear reaction norm. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2017, 284, 20170859.	2.6	15
25	Academic practice in ecology and evolution: Soliciting a new category of manuscript. <i>Ecology and Evolution</i> , 2017, 7, 5030-5031.	1.9	3
26	The Andes Cordillera. Part IV: spatio-temporal freshwater runoff distribution to adjacent seas (1979-2014). <i>International Journal of Climatology</i> , 2017, 37, 3175-3196.	3.5	12
27	Data Management, Manipulation, and Exploration with dplyr. , 2017, , 57-78.		2
28	Introducing Statistics in R. , 2017, , 93-130.		0
29	Advancing Your Statistics in R. , 2017, , 131-166.		0
30	Closing Remarks: Final Comments and Encouragement. , 2017, , 219-222.		0
31	Visualizing Your Data. , 2017, , 79-92.		0
32	Getting Started with Generalized Linear Models. , 2017, , 167-202.		0
33	Getting Your Data into R. , 2017, , 35-56.		0
34	Pimping Your Plots: Scales and Themes in ggplot2. , 2017, , 203-218.		0
35	A Metaproteomic Analysis of the Response of a Freshwater Microbial Community under Nutrient Enrichment. <i>Frontiers in Microbiology</i> , 2016, 7, 1172.	3.5	28
36	Antagonistic interactions between an invasive alien and a native coccinellid species may promote coexistence. <i>Journal of Animal Ecology</i> , 2016, 85, 1087-1097.	2.8	16

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37	The use of natural infochemicals for sustainable and efficient harvesting of the microalgae <i>Scenedesmus</i> spp. for biotechnology: insights from a meta-analysis. <i>Biotechnology Letters</i> , 2016, 38, 1983-1990.	2.2	6
38	<i>Daphnia magna</i> transcriptome by RNA-Seq across 12 environmental stressors. <i>Scientific Data</i> , 2016, 3, 160030.	5.3	89
39	Ecology and Evolution in an Open World (or: why supplementary data are evil). <i>Ecology and Evolution</i> , 2016, 6, 2655-2656.	1.9	22
40	Eco-evolutionary Biology: Feeding and Feedback Loops. <i>Current Biology</i> , 2016, 26, R161-R164.	3.9	3
41	How maladaptation can structure biodiversity: eco-evolutionary island biogeography. <i>Trends in Ecology and Evolution</i> , 2015, 30, 154-160.	8.7	34
42	The ecological forecast horizon, and examples of its uses and determinants. <i>Ecology Letters</i> , 2015, 18, 597-611.	6.4	242
43	Mass loss and imbalance of glaciers along the Andes Cordillera to the sub-Antarctic islands. <i>Global and Planetary Change</i> , 2015, 133, 109-119.	3.5	52
44	The alignment between phenotypic plasticity, the major axis of genetic variation and the response to selection. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20151651.	2.6	51
45	Greenland precipitation trends in a long-term instrumental climate context (1890–2012): evaluation of coastal and ice core records. <i>International Journal of Climatology</i> , 2015, 35, 303-320.	3.5	84
46	What can modern statistical tools do for limnology?. <i>Journal of Limnology</i> , 2014, 73, .	1.1	8
47	Endocrine regulation of predator-induced phenotypic plasticity. <i>Oecologia</i> , 2014, 176, 625-635.	2.0	21
48	The relationship of leaf photosynthetic traits V_{\max} and J_{\max} to leaf nitrogen, leaf phosphorus, and specific leaf area: a meta-analysis and modeling study. <i>Ecology and Evolution</i> , 2014, 4, 3218-3235.	1.9	338
49	Latitude or biogeographic breaks? Determinants of phenotypic (co)variation in fitness-related traits in <i>Betaeus truncatus</i> along the Chilean coast. <i>Marine Biology</i> , 2014, 161, 111-118.	1.5	10
50	Sexual size dimorphism and the integration of phenotypically plastic traits. <i>Ecological Entomology</i> , 2013, 38, 418-428.	2.2	11
51	Quantifying multivariate plasticity: genetic variation in resource acquisition drives plasticity in resource allocation to components of life history. <i>Ecology Letters</i> , 2013, 16, 281-290.	6.4	50
52	Ecological and demographic correlates of helping behaviour in a cooperatively breeding bird. <i>Journal of Animal Ecology</i> , 2013, 82, 486-494.	2.8	30
53	A shared mechanism of defense against predators and parasites: chitin regulation and its implications for life-history theory. <i>Ecology and Evolution</i> , 2013, 3, 5119-5126.	1.9	28
54	Can invasions occur without change? A comparison of G matrices and selection in the peach-potato aphid, <i>Myzus persicae</i> . <i>Ecology and Evolution</i> , 2013, 3, 5109-5118.	1.9	6

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55	From adaptation to molecular evolution. <i>Heredity</i> , 2012, 108, 457-459.	2.6	8
56	Final Comments and Encouragement. , 2012, , 105-108.		0
57	Why R?. , 2012, , 1-4.		0
58	The consequences of size dependent foraging for food web topology. <i>Oikos</i> , 2011, 120, 493-502.	2.7	35
59	Adaptive foraging and the rewiring of size-structured food webs following extinctions. <i>Basic and Applied Ecology</i> , 2011, 12, 562-570.	2.7	42
60	Fit, efficiency, and biology: Some thoughts on judging food web models. <i>Journal of Theoretical Biology</i> , 2011, 279, 169-171.	1.7	5
61	Phenotypic convergence along a gradient of predation risk. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2011, 278, 1687-1696.	2.6	49
62	Predation and kin-structured populations: an empirical perspective on the evolution of cooperation. <i>Behavioral Ecology</i> , 2011, 22, 1294-1303.	2.2	22
63	Reciprocity in predator-prey interactions: exposure to defended prey and predation risk affects intermediate predator life history and morphology. <i>Oecologia</i> , 2010, 163, 193-202.	2.0	17
64	Precise time interactions between behavioural and morphological defences. <i>Oikos</i> , 2010, 119, 494-499.	2.7	18
65	PREDATOR-DRIVEN TRAIT DIVERSIFICATION IN A DRAGONFLY GENUS: COVARIATION IN BEHAVIORAL AND MORPHOLOGICAL ANTIPREDATOR DEFENSE. <i>Evolution; International Journal of Organic Evolution</i> , 2010, 64, 3327-3335.	2.3	33
66	Adaptive foragers and community ecology: linking individuals to communities and ecosystems. <i>Functional Ecology</i> , 2010, 24, 1-6.	3.6	64
67	Little evidence for limiting similarity in a long-term study of a roadside plant community. <i>Journal of Ecology</i> , 2010, 98, 480-487.	4.0	72
68	Consequences of "load-lightening" for future indirect fitness gains by helpers in a cooperatively breeding bird. <i>Journal of Animal Ecology</i> , 2010, 79, 529-537.	2.8	68
69	The reaction norm of size and age at maturity under multiple predator risk. <i>Journal of Animal Ecology</i> , 2010, 79, 1069-1076.	2.8	66
70	Adaptation genomics: the next generation. <i>Trends in Ecology and Evolution</i> , 2010, 25, 705-712.	8.7	589
71	Infectious food webs. <i>Journal of Animal Ecology</i> , 2009, 78, 493-496.	2.8	9
72	Climate warming strengthens indirect interactions in an old-field food web. <i>Ecology</i> , 2009, 90, 2346-2351.	3.2	133

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73	Combined use of pheromone trails and visual landmarks by the common garden ant <i>Lasius niger</i> . <i>Behavioral Ecology and Sociobiology</i> , 2008, 63, 261-267.	1.4	58
74	Costs, benefits and the evolution of inducible defences: a case study with <i>Daphnia pulex</i> . <i>Journal of Evolutionary Biology</i> , 2008, 21, 705-715.	1.7	98
75	Size, foraging, and food web structure. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2008, 105, 4191-4196.	7.1	441
76	INTRASPECIFIC COMPETITION: THE ROLE OF LAGS BETWEEN ATTACK AND DEATH IN HOST-PARASITOID INTERACTIONS. <i>Ecology</i> , 2007, 88, 1225-1231.	3.2	6
77	Urban bird declines and the fear of cats. <i>Animal Conservation</i> , 2007, 10, 320-325.	2.9	120
78	Behavioural versus physiological mediation of life history under predation risk. <i>Oecologia</i> , 2007, 152, 335-343.	2.0	92
79	How effective are maternal effects at having effects?. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2006, 273, 485-493.	2.6	52
80	Foraging biology predicts food web complexity. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2006, 103, 13745-13749.	7.1	206
81	The combined effects of energy and disturbance on species richness in protist microcosms. <i>Ecology Letters</i> , 2005, 8, 730-738.	6.4	35
82	Oil pollution and climate have wide-scale impacts on seabird demographics. <i>Ecology Letters</i> , 2005, 8, 1157-1164.	6.4	151
83	The shape of things eaten: the functional response of herbivores foraging adaptively. <i>Oikos</i> , 2005, 110, 591-601.	2.7	13
84	Population Dynamics in a Noisy World: Lessons From a Mite Experimental System. <i>Advances in Ecological Research</i> , 2005, 37, 143-181.	2.7	27
85	Changes in maternal investment in eggs can affect population dynamics. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2005, 272, 1351-1356.	2.6	107
86	Experimental Removal and Elevation of Sexual Selection: Does Sexual Selection Generate Manipulative Males and Resistant Females?. <i>American Naturalist</i> , 2005, 165, S72-S87.	2.1	94
87	Human-predator-prey conflicts: ecological correlates, prey losses and patterns of management. <i>Biological Conservation</i> , 2005, 122, 159-171.	4.1	300
88	Age and size at maturity: sex, environmental variability and developmental thresholds. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2004, 271, 919-924.	2.6	80
89	Herbivory and plant resource competition: a review of two interacting interactions. <i>Oikos</i> , 2003, 101, 26-37.	2.7	137
90	Talkin' 'bout My Generation: Environmental Variability and Cohort Effects. <i>American Naturalist</i> , 2003, 162, 754-767.	2.1	79

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91	Population dynamic consequences of delayed life-history effects. <i>Trends in Ecology and Evolution</i> , 2002, 17, 263-269.	8.7	274
92	The distribution of <i>Melanoplus femurrubrum</i> : fear and freezing in Connecticut. <i>Oikos</i> , 2002, 99, 131-140.	2.7	16
93	The population response to environmental noise: population size, variance and correlation in an experimental system. <i>Journal of Animal Ecology</i> , 2002, 71, 320-332.	2.8	50
94	Population synchrony and environmental variation: an experimental demonstration. <i>Ecology Letters</i> , 2001, 4, 236-243.	6.4	71
95	Maternal effects and the stability of population dynamics in noisy environments. <i>Journal of Animal Ecology</i> , 2001, 70, 590-599.	2.8	66
96	COUNTERINTUITIVE OUTCOMES OF INTERSPECIFIC COMPETITION BETWEEN TWO GRASSHOPPER SPECIES ALONG A RESOURCE GRADIENT. <i>Ecology</i> , 2000, 81, 948-957.	3.2	25
97	Trophic Cascades in Terrestrial Systems: A Review of the Effects of Carnivore Removals on Plants. <i>American Naturalist</i> , 2000, 155, 141-153.	2.1	866
98	Some Applications of Multitrophic Level Ecological Theory to Agroforestry Systems. , 1999, , .		0
99	Reconciling variability and optimal behaviour using multiple criteria in optimization models. <i>Evolutionary Ecology</i> , 1998, 12, 73-94.	1.2	24
100	Experimental evidence for a behavior-mediated trophic cascade in a terrestrial food chain. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 1997, 94, 10735-10738.	7.1	288
101	BEHAVIORALLY MEDIATED TROPHIC CASCADES: EFFECTS OF PREDATION RISK ON FOOD WEB INTERACTIONS. <i>Ecology</i> , 1997, 78, 1388-1399.	3.2	715
102	Functional responses of adaptive consumers and community stability with emphasis on the dynamics of plant-herbivore systems. <i>Evolutionary Ecology</i> , 1997, 11, 773-784.	1.2	35