

Morgan Ernest

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

6,534
citations

109264

35
h-index

98753

67
g-index

88
all docs

88
docs citations

88
times ranked

9257
citing authors

#	ARTICLE	IF	CITATIONS
1	Relationships between body size and abundance in ecology. Trends in Ecology and Evolution, 2007, 22, 323-330.	4.2	678
2	Resource pulses, species interactions, and diversity maintenance in arid and semi-arid environments. Oecologia, 2004, 141, 236-253.	0.9	604
3	BODY MASS OF LATE QUATERNARY MAMMALS. Ecology, 2003, 84, 3403-3403.	1.5	393
4	Complex Species Interactions and the Dynamics of Ecological Systems: Long-Term Experiments. Science, 2001, 293, 643-650.	6.0	325
5	BioTIME: A database of biodiversity time series for the Anthropocene. Global Ecology and Biogeography, 2018, 27, 760-786.	2.7	289
6	Regulation of diversity: maintenance of species richness in changing environments. Oecologia, 2001, 126, 321-332.	0.9	273
7	Compensatory dynamics are rare in natural ecological communities. Proceedings of the National Academy of Sciences of the United States of America, 2007, 104, 3273-3277.	3.3	264
8	An amniote lifeâ€­history database to perform comparative analyses with birds, mammals, and reptiles. Ecology, 2015, 96, 3109-3109.	1.5	258
9	The Evolution of Maximum Body Size of Terrestrial Mammals. Science, 2010, 330, 1216-1219.	6.0	252
10	Thermodynamic and metabolic effects on the scaling of production and population energy use. Ecology Letters, 2003, 6, 990-995.	3.0	215
11	Rodents, plants, and precipitation: spatial and temporal dynamics of consumers and resources. Oikos, 2000, 88, 470-482.	1.2	202
12	Similarity of Mammalian Body Size across the Taxonomic Hierarchy and across Space and Time. American Naturalist, 2004, 163, 672-691.	1.0	173
13	LIFE HISTORY CHARACTERISTICS OF PLACENTAL NONVOLANT MAMMALS. Ecology, 2003, 84, 3402-3402.	1.5	170
14	Community assembly and the functioning of ecosystems: how metacommunity processes alter ecosystems attributes. Ecology, 2017, 98, 909-919.	1.5	164
15	Speciesâ€­level and communityâ€­level responses to disturbance: a crossâ€­community analysis. Ecology, 2014, 95, 1717-1723.	1.5	160
16	Rain and Rodents: Complex Dynamics of Desert Consumers. BioScience, 2002, 52, 979.	2.2	154
17	Homeostasis and Compensation: The Role of Species and Resources in Ecosystem Stability. Ecology, 2001, 82, 2118.	1.5	131
18	The maximum rate of mammal evolution. Proceedings of the National Academy of Sciences of the United States of America, 2012, 109, 4187-4190.	3.3	107

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19	Zero Sum, the Niche, and Metacommunities: Long-term Dynamics of Community Assembly. <i>American Naturalist</i> , 2008, 172, E257-E269.	1.0	101
20	The Offspring Size/Clutch Size Trade-off in Mammals. <i>American Naturalist</i> , 2006, 167, 578-582.	1.0	96
21	Integrating community assembly and biodiversity to better understand ecosystem function: the Community Assembly and the Functioning of Ecosystems (<scp>CAFE</scp>) approach. <i>Ecology Letters</i> , 2018, 21, 167-180.	3.0	94
22	Delayed Compensation for Missing Keystone Species by Colonization. <i>Science</i> , 2001, 292, 101-104.	6.0	89
23	Integrating spatial and temporal approaches to understanding species richness. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2010, 365, 3633-3643.	1.8	81
24	CHIHUAHUAN DESERT KANGAROO RATS: NONLINEAR EFFECTS OF POPULATION DYNAMICS, COMPETITION, AND RAINFALL. <i>Ecology</i> , 2008, 89, 2594-2603.	1.5	69
25	Strong self-limitation promotes the persistence of rare species. <i>Ecology</i> , 2012, 93, 456-461.	1.5	69
26	Long-term insights into the influence of precipitation on community dynamics in desert rodents. <i>Journal of Mammalogy</i> , 2010, 91, 787-797.	0.6	65
27	TEMPORAL DYNAMICS IN THE STRUCTURE AND COMPOSITION OF A DESERT RODENT COMMUNITY. <i>Ecology</i> , 2004, 85, 2649-2655.	1.5	61
28	Trade-offs in Community Properties through Time in a Desert Rodent Community. <i>American Naturalist</i> , 2004, 164, 670-676.	1.0	60
29	BODY SIZE, ENERGY USE, AND COMMUNITY STRUCTURE OF SMALL MAMMALS. <i>Ecology</i> , 2005, 86, 1407-1413.	1.5	56
30	Developing an automated iterative near-term forecasting system for an ecological study. <i>Methods in Ecology and Evolution</i> , 2019, 10, 332-344.	2.2	54
31	Macroecology: more than the division of food and space among species on continents. <i>Progress in Physical Geography</i> , 2008, 32, 115-138.	1.4	48
32	Patterns of maximum body size evolution in Cenozoic land mammals: eco-evolutionary processes and abiotic forcing. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2014, 281, 20132049.	1.2	48
33	HOMEOSTASIS AND COMPENSATION: THE ROLE OF SPECIES AND RESOURCES IN ECOSYSTEM STABILITY. <i>Ecology</i> , 2001, 82, 2118-2132.	1.5	46
34	Do persistent rare species experience stronger negative frequency dependence than common species?. <i>Global Ecology and Biogeography</i> , 2017, 26, 513-523.	2.7	43
35	Niche opportunities and invasion dynamics in a desert annual community. <i>Ecology Letters</i> , 2013, 16, 158-166.	3.0	42
36	Long-term monitoring and experimental manipulation of a Chihuahuan Desert ecosystem near Portal, Arizona, USA. <i>Ecology</i> , 2009, 90, 1708-1708.	1.5	39

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37	Multimodality in the individual size distributions of bird communities. <i>Global Ecology and Biogeography</i> , 2011, 20, 145-153.	2.7	38
38	INTRA-GUILD COMPENSATION REGULATES SPECIES RICHNESS IN DESERT RODENTS. <i>Ecology</i> , 2005, 86, 567-573.	1.5	33
39	Redundant or complementary? Impact of a colonizing species on community structure and function. <i>Oikos</i> , 2010, 119, 1719-1726.	1.2	32
40	Effects of Fire and Grazing on an Arid Grassland ecosystem. <i>Southwestern Naturalist</i> , 2002, 47, 557.	0.1	31
41	An experimental test of the response of macroecological patterns to altered species interactions. <i>Ecology</i> , 2012, 93, 2505-2511.	1.5	31
42	Developing a modern data workflow for regularly updated data. <i>PLoS Biology</i> , 2019, 17, e3000125.	2.6	31
43	Changes in a tropical forest support metabolic zero-sum dynamics. <i>Ecology Letters</i> , 2009, 12, 507-515.	3.0	27
44	Effects of allometry, productivity and lifestyle on rates and limits of body size evolution. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2013, 280, 20131007.	1.2	26
45	Long-term community change through multiple rapid transitions in a desert rodent community. <i>Ecology</i> , 2018, 99, 1523-1529.	1.5	26
46	Long-term monitoring and experimental manipulation of a Chihuahuan desert ecosystem near Portal, Arizona (1977-2013). <i>Ecology</i> , 2016, 97, 1082-1082.	1.5	25
47	Using life history trade-offs to understand core-transient structuring of a small mammal community. <i>Ecosphere</i> , 2015, 6, 1-15.	1.0	24
48	Species composition and abundance of mammalian communities. <i>Ecology</i> , 2011, 92, 2316-2316.	1.5	23
49	Body size shifts influence effects of increasing temperatures on ectotherm metabolism. <i>Global Ecology and Biogeography</i> , 2018, 27, 958-967.	2.7	18
50	InsectChange: a global database of temporal changes in insect and arachnid assemblages. <i>Ecology</i> , 2021, 102, e03354.	1.5	17
51	Bees without Flowers: Before Peak Bloom, Diverse Native Bees Find Insect-Produced Honeydew Sugars. <i>American Naturalist</i> , 2017, 190, 281-291.	1.0	16
52	The Offspring-Size/Clutch-Size Trade-off in Mammals. <i>American Naturalist</i> , 2006, 167, 578.	1.0	14
53	Evaluating probabilistic ecological forecasts. <i>Ecology</i> , 2021, 102, e03431.	1.5	10
54	Macroecological patterns of mammals across taxonomic, spatial, and temporal scales. <i>Journal of Mammalogy</i> , 2019, 100, 1087-1104.	0.6	9

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55	Trade-Offs in Community Properties through Time in a Desert Rodent Community. <i>American Naturalist</i> , 2004, 164, 670.	1.0	9
56	INTRA-GUILD COMPENSATION REGULATES SPECIES RICHNESS IN DESERT RODENTS: REPLY. <i>Ecology</i> , 2006, 87, 2121-2125.	1.5	8
57	Ten Simple Rules for a successful remote postdoc. <i>PLoS Computational Biology</i> , 2020, 16, e1007809.	1.5	8
58	Temporal changes in species composition affect a ubiquitous species's use of habitat patches. <i>Ecology</i> , 2019, 100, e02869.	1.5	7
59	Declines in rodent abundance and diversity track regional climate variability in North American drylands. <i>Global Change Biology</i> , 2021, 27, 4005-4023.	4.2	7
60	Constraints on Negative Relationships. , 2004, , 298-324.		7
61	Process-based allometry describes the influence of management on orchard tree aboveground architecture. <i>PeerJ</i> , 2018, 6, e4949.	0.9	7
62	Maintenance of community function through compensation breaks down over time in a desert rodent community. <i>Ecology</i> , 2022, 103, e3709.	1.5	7
63	portalr: an R package for summarizing and using the Portal Project Data. <i>Journal of Open Source Software</i> , 2019, 4, 1098.	2.0	5
64	Empirical abundance distributions are more uneven than expected given their statistical baseline. <i>Ecology Letters</i> , 2021, 24, 2025-2039.	3.0	4
65	Using Size Distributions to Understand the Role of Body Size in Mammalian Community Assembly. , 2013, , 147-167.		4
66	Macroevolution of dimensionless life-history metrics in tetrapods. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210200.	1.2	3
67	Established rodent community delays recovery of dominant competitor following experimental disturbance. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2019, 286, 20192269.	1.2	2
68	Scales of data. <i>Nature Ecology and Evolution</i> , 2018, 2, 769-770.	3.4	1
69	Using a "Macroscope" to Look at Patterns of Mammal Body Size in the Fossil Record. <i>The Paleontological Society Special Publications</i> , 2014, 13, 54-55.	0.0	0
70	portalcasting: Supporting automated forecasting of rodent populations. <i>Journal of Open Source Software</i> , 2022, 7, 3220.	2.0	0