

Morgan Ernest

List of Publications by Year in descending order

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Version: 2024-02-01

70
papers

6,534
citations

125106

35
h-index

111975

67
g-index

88
all docs

88
docs citations

88
times ranked

10520
citing authors

| # | ARTICLE | IF | CITATIONS |
|----|--|-----|-----------|
| 1 | Maintenance of community function through compensation breaks down over time in a desert rodent community. <i>Ecology</i> , 2022, 103, e3709. | 1.5 | 7 |
| 2 | portalcasting: Supporting automated forecasting of rodent populations. <i>Journal of Open Source Software</i> , 2022, 7, 3220. | 2.0 | 0 |
| 3 | Macroevolution of dimensionless life-history metrics in tetrapods. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2021, 288, 20210200. | 1.2 | 3 |
| 4 | InsectChange: a global database of temporal changes in insect and arachnid assemblages. <i>Ecology</i> , 2021, 102, e03354. | 1.5 | 17 |
| 5 | 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 |
| 6 | Empirical abundance distributions are more uneven than expected given their statistical baseline. <i>Ecology Letters</i> , 2021, 24, 2025-2039. | 3.0 | 4 |
| 7 | Evaluating probabilistic ecological forecasts. <i>Ecology</i> , 2021, 102, e03431. | 1.5 | 10 |
| 8 | Ten Simple Rules for a successful remote postdoc. <i>PLoS Computational Biology</i> , 2020, 16, e1007809. | 1.5 | 8 |
| 9 | Temporal changes in species composition affect a ubiquitous species' use of habitat patches. <i>Ecology</i> , 2019, 100, e02869. | 1.5 | 7 |
| 10 | Developing a modern data workflow for regularly updated data. <i>PLoS Biology</i> , 2019, 17, e3000125. | 2.6 | 31 |
| 11 | Macroecological patterns of mammals across taxonomic, spatial, and temporal scales. <i>Journal of Mammalogy</i> , 2019, 100, 1087-1104. | 0.6 | 9 |
| 12 | 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 |
| 13 | 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 |
| 14 | 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 |
| 15 | Integrating community assembly and biodiversity to better understand ecosystem function: the Community Assembly and the Functioning of Ecosystems (CAFÉ) approach. <i>Ecology Letters</i> , 2018, 21, 167-180. | 3.0 | 94 |
| 16 | Long-term community change through multiple rapid transitions in a desert rodent community. <i>Ecology</i> , 2018, 99, 1523-1529. | 1.5 | 26 |
| 17 | Scales of data. <i>Nature Ecology and Evolution</i> , 2018, 2, 769-770. | 3.4 | 1 |
| 18 | BioTIME: A database of biodiversity time series for the Anthropocene. <i>Global Ecology and Biogeography</i> , 2018, 27, 760-786. | 2.7 | 289 |

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|----|---|-----|-----------|
| 19 | Body size shifts influence effects of increasing temperatures on ectotherm metabolism. <i>Global Ecology and Biogeography</i> , 2018, 27, 958-967. | 2.7 | 18 |
| 20 | Process-based allometry describes the influence of management on orchard tree aboveground architecture. <i>PeerJ</i> , 2018, 6, e4949. | 0.9 | 7 |
| 21 | 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 |
| 22 | 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 |
| 23 | Community assembly and the functioning of ecosystems: how metacommunity processes alter ecosystems attributes. <i>Ecology</i> , 2017, 98, 909-919. | 1.5 | 164 |
| 24 | 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 |
| 25 | 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 |
| 26 | An amniote life-history database to perform comparative analyses with birds, mammals, and reptiles. <i>Ecology</i> , 2015, 96, 3109-3109. | 1.5 | 258 |
| 27 | 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 |
| 28 | 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 |
| 29 | Species-level and community-level responses to disturbance: a cross-community analysis. <i>Ecology</i> , 2014, 95, 1717-1723. | 1.5 | 160 |
| 30 | Niche opportunities and invasion dynamics in a desert annual community. <i>Ecology Letters</i> , 2013, 16, 158-166. | 3.0 | 42 |
| 31 | 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 |
| 32 | Using Size Distributions to Understand the Role of Body Size in Mammalian Community Assembly. , 2013, , 147-167. | | 4 |
| 33 | An experimental test of the response of macroecological patterns to altered species interactions. <i>Ecology</i> , 2012, 93, 2505-2511. | 1.5 | 31 |
| 34 | Strong self-limitation promotes the persistence of rare species. <i>Ecology</i> , 2012, 93, 456-461. | 1.5 | 69 |
| 35 | The maximum rate of mammal evolution. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2012, 109, 4187-4190. | 3.3 | 107 |
| 36 | Species composition and abundance of mammalian communities. <i>Ecology</i> , 2011, 92, 2316-2316. | 1.5 | 23 |

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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 | The Evolution of Maximum Body Size of Terrestrial Mammals. <i>Science</i> , 2010, 330, 1216-1219. | 6.0 | 252 |
| 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 | 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 |
| 41 | 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 |
| 42 | Changes in a tropical forest support metabolic zero-sum dynamics. <i>Ecology Letters</i> , 2009, 12, 507-515. | 3.0 | 27 |
| 43 | 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 |
| 44 | 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 |
| 45 | Zero Sum, the Niche, and Metacommunities: Long-Term Dynamics of Community Assembly. <i>American Naturalist</i> , 2008, 172, E257-E269. | 1.0 | 101 |
| 46 | CHIHUAHUAN DESERT KANGAROO RATS: NONLINEAR EFFECTS OF POPULATION DYNAMICS, COMPETITION, AND RAINFALL. <i>Ecology</i> , 2008, 89, 2594-2603. | 1.5 | 69 |
| 47 | Compensatory dynamics are rare in natural ecological communities. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2007, 104, 3273-3277. | 3.3 | 264 |
| 48 | Relationships between body size and abundance in ecology. <i>Trends in Ecology and Evolution</i> , 2007, 22, 323-330. | 4.2 | 678 |
| 49 | INTRA-GUILD COMPENSATION REGULATES SPECIES RICHNESS IN DESERT RODENTS: REPLY. <i>Ecology</i> , 2006, 87, 2121-2125. | 1.5 | 8 |
| 50 | The Offspring-Size/Clutch-Size Trade-off in Mammals. <i>American Naturalist</i> , 2006, 167, 578-582. | 1.0 | 96 |
| 51 | The Offspring-Size/Clutch-Size Trade-off in Mammals. <i>American Naturalist</i> , 2006, 167, 578. | 1.0 | 14 |
| 52 | INTRA-GUILD COMPENSATION REGULATES SPECIES RICHNESS IN DESERT RODENTS. <i>Ecology</i> , 2005, 86, 567-573. | 1.5 | 33 |
| 53 | BODY SIZE, ENERGY USE, AND COMMUNITY STRUCTURE OF SMALL MAMMALS. <i>Ecology</i> , 2005, 86, 1407-1413. | 1.5 | 56 |
| 54 | Resource pulses, species interactions, and diversity maintenance in arid and semi-arid environments. <i>Oecologia</i> , 2004, 141, 236-253. | 0.9 | 604 |

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|----|--|-----|-----------|
| 55 | Trade-Offs in Community Properties through Time in a Desert Rodent Community. <i>American Naturalist</i> , 2004, 164, 670-676. | 1.0 | 60 |
| 56 | Similarity of Mammalian Body Size across the Taxonomic Hierarchy and across Space and Time. <i>American Naturalist</i> , 2004, 163, 672-691. | 1.0 | 173 |
| 57 | TEMPORAL DYNAMICS IN THE STRUCTURE AND COMPOSITION OF A DESERT RODENT COMMUNITY. <i>Ecology</i> , 2004, 85, 2649-2655. | 1.5 | 61 |
| 58 | Constraints on Negative Relationships. , 2004, , 298-324. | | 7 |
| 59 | Trade-Offs in Community Properties through Time in a Desert Rodent Community. <i>American Naturalist</i> , 2004, 164, 670. | 1.0 | 9 |
| 60 | LIFE HISTORY CHARACTERISTICS OF PLACENTAL NONVOLANT MAMMALS. <i>Ecology</i> , 2003, 84, 3402-3402. | 1.5 | 170 |
| 61 | Thermodynamic and metabolic effects on the scaling of production and population energy use. <i>Ecology Letters</i> , 2003, 6, 990-995. | 3.0 | 215 |
| 62 | BODY MASS OF LATE QUATERNARY MAMMALS. <i>Ecology</i> , 2003, 84, 3403-3403. | 1.5 | 393 |
| 63 | Rain and Rodents: Complex Dynamics of Desert Consumers. <i>BioScience</i> , 2002, 52, 979. | 2.2 | 154 |
| 64 | Effects of Fire and Grazing on an Arid Grassland ecosystem. <i>Southwestern Naturalist</i> , 2002, 47, 557. | 0.1 | 31 |
| 65 | Delayed Compensation for Missing Keystone Species by Colonization. <i>Science</i> , 2001, 292, 101-104. | 6.0 | 89 |
| 66 | Complex Species Interactions and the Dynamics of Ecological Systems: Long-Term Experiments. <i>Science</i> , 2001, 293, 643-650. | 6.0 | 325 |
| 67 | Regulation of diversity: maintenance of species richness in changing environments. <i>Oecologia</i> , 2001, 126, 321-332. | 0.9 | 273 |
| 68 | HOMEOSTASIS AND COMPENSATION: THE ROLE OF SPECIES AND RESOURCES IN ECOSYSTEM STABILITY. <i>Ecology</i> , 2001, 82, 2118-2132. | 1.5 | 46 |
| 69 | Homeostasis and Compensation: The Role of Species and Resources in Ecosystem Stability. <i>Ecology</i> , 2001, 82, 2118. | 1.5 | 131 |
| 70 | Rodents, plants, and precipitation: spatial and temporal dynamics of consumers and resources. <i>Oikos</i> , 2000, 88, 470-482. | 1.2 | 202 |