

Timothy H Keitt

List of Publications by Year in descending order

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Version: 2024-02-01

65
papers

8,714
citations

109321

35
h-index

133252

59
g-index

70
all docs

70
docs citations

70
times ranked

11235
citing authors

#	ARTICLE	IF	CITATIONS
1	USING CIRCUIT THEORY TO MODEL CONNECTIVITY IN ECOLOGY, EVOLUTION, AND CONSERVATION. <i>Ecology</i> , 2008, 89, 2712-2724.	3.2	1,405
2	Pollination and other ecosystem services produced by mobile organisms: a conceptual framework for the effects of land-use change. <i>Ecology Letters</i> , 2007, 10, 299-314.	6.4	1,096
3	LANDSCAPE CONNECTIVITY: A GRAPH-THEORETIC PERSPECTIVE. <i>Ecology</i> , 2001, 82, 1205-1218.	3.2	1,054
4	Iterative near-term ecological forecasting: Needs, opportunities, and challenges. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2018, 115, 1424-1432.	7.1	400
5	Allee Effects, Invasion Pinning, and Speciesâ€™ Borders. <i>American Naturalist</i> , 2001, 157, 203-216.	2.1	384
6	Detecting Critical Scales in Fragmented Landscapes. <i>Ecology and Society</i> , 1997, 1, .	0.9	349
7	The community context of speciesâ€™ borders: ecological and evolutionary perspectives. <i>Oikos</i> , 2005, 108, 28-46.	2.7	323
8	Accounting for spatial pattern when modeling organism-environment interactions. <i>Ecography</i> , 2002, 25, 616-625.	4.5	293
9	Dispersal, Environmental Correlation, and Spatial Synchrony in Population Dynamics. <i>American Naturalist</i> , 2000, 155, 628-636.	2.1	252
10	Theoretical models of speciesâ€™ borders: single species approaches. <i>Oikos</i> , 2005, 108, 18-27.	2.7	252
11	Characterizing genomic variation of <i>Arabidopsis thaliana</i> : the roles of geography and climate. <i>Molecular Ecology</i> , 2012, 21, 5512-5529.	3.9	215
12	Speciesâ€™ borders: a unifying theme in ecology. <i>Oikos</i> , 2005, 108, 3-6.	2.7	213
13	Resilience vs. historical contingency in microbial responses to environmental change. <i>Ecology Letters</i> , 2015, 18, 612-625.	6.4	202
14	Beyond the least-cost path: evaluating corridor redundancy using a graph-theoretic approach. <i>Landscape Ecology</i> , 2009, 24, 253-266.	4.2	197
15	Dynamics of North American breeding bird populations. <i>Nature</i> , 1998, 393, 257-260.	27.8	158
16	Species diversity in neutral metacommunities: a network approach. <i>Ecology Letters</i> , 2008, 11, 52-62.	6.4	146
17	Spectral representation of neutral landscapes. <i>Landscape Ecology</i> , 2000, 15, 479-494.	4.2	126
18	Natural Variation in Abiotic Stress Responsive Gene Expression and Local Adaptation to Climate in <i>Arabidopsis thaliana</i> . <i>Molecular Biology and Evolution</i> , 2014, 31, 2283-2296.	8.9	125

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19	Resolving the life cycle alters expected impacts of climate change. <i>Proceedings of the Royal Society B: Biological Sciences</i> , 2015, 282, 20150837.	2.6	123
20	Detection of Critical Densities Associated with Pinon-Juniper Woodland Ecotones. <i>Ecology</i> , 1996, 77, 805-821.	3.2	122
21	Coherent ecological dynamics induced by large-scale disturbance. <i>Nature</i> , 2008, 454, 331-334.	27.8	105
22	SCALE-SPECIFIC INFERENCE USING WAVELETS. <i>Ecology</i> , 2005, 86, 2497-2504.	3.2	93
23	Network isolation and local diversity in neutral metacommunities. <i>Oikos</i> , 2010, 119, 1355-1363.	2.7	81
24	DETECTION OF SCALE-SPECIFIC COMMUNITY DYNAMICS USING WAVELETS. <i>Ecology</i> , 2006, 87, 2895-2904.	3.2	72
25	ENVIRONMENTAL FLUCTUATIONS INDUCE SCALE-DEPENDENT COMPENSATION AND INCREASE STABILITY IN PLANKTON ECOSYSTEMS. <i>Ecology</i> , 2008, 89, 3204-3214.	3.2	64
26	Spatial and Temporal Heterogeneity Explain Disease Dynamics in a Spatially Explicit Network Model. <i>American Naturalist</i> , 2008, 172, 149-159.	2.1	61
27	Conservation biogeography of the US-Mexico border: a transcontinental risk assessment of barriers to animal dispersal. <i>Diversity and Distributions</i> , 2011, 17, 673-687.	4.1	56
28	Trait-mediated effects of environmental filtering on tree community dynamics. <i>Journal of Ecology</i> , 2013, 101, 722-733.	4.0	55
29	Spatial heterogeneity and anomalous kinetics: emergent patterns in diffusion-limited predatory-prey interaction. <i>Journal of Theoretical Biology</i> , 1995, 172, 127-139.	1.7	51
30	Ontogeny constrains phenology: opportunities for activity and reproduction interact to dictate potential phenologies in a changing climate. <i>Ecology Letters</i> , 2016, 19, 620-628.	6.4	51
31	Habitat conversion, extinction thresholds, and pollination services in agroecosystems. <i>Ecological Applications</i> , 2009, 19, 1561-1573.	3.8	49
32	The Introduced Hawaiian Avifauna Reconsidered: Evidence for Self-Organized Criticality?. <i>Journal of Theoretical Biology</i> , 1996, 182, 161-167.	1.7	43
33	Stability and complexity on a lattice: coexistence of species in an individual-based food web model. <i>Ecological Modelling</i> , 1997, 102, 243-258.	2.5	42
34	Scale-dependent responses to forest cover displayed by frugivore bats. <i>Oikos</i> , 2008, 117, 1725-1731.	2.7	42
35	Spatial forecasting of switchgrass productivity under current and future climate change scenarios. <i>Ecological Applications</i> , 2013, 23, 73-85.	3.8	38
36	Scaling in the growth of geographically subdivided populations: invariant patterns from a continent-wide biological survey. <i>Philosophical Transactions of the Royal Society B: Biological Sciences</i> , 2002, 357, 627-633.	4.0	33

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37	Reserve Size and Fragmentation Alter Community Assembly, Diversity, and Dynamics. <i>American Naturalist</i> , 2013, 182, E142-E160.	2.1	28
38	Landscape Connectivity: A Graph-Theoretic Perspective. <i>Ecology</i> , 2001, 82, 1205.	3.2	27
39	Predicting and Mapping Potential Whooping Crane Stopover Habitat to Guide Site Selection for Wind Energy Projects. <i>Conservation Biology</i> , 2014, 28, 541-550.	4.7	26
40	A dynamically downscaled projection of past and future microclimates. <i>Ecology</i> , 2016, 97, 1888-1888.	3.2	26
41	Ecology in the age of automation. <i>Science</i> , 2021, 373, 858-859.	12.6	24
42	The role of functional traits and individual variation in the co-occurrence of <i>Ficus</i> species. <i>Ecology</i> , 2014, 95, 978-990.	3.2	23
43	Modeling Differential Growth in Switchgrass Cultivars Across the Central and Southern Great Plains. <i>Bioenergy Research</i> , 2014, 7, 1165-1173.	3.9	21
44	The Effect of Spatial Structure of Pasture Tree Cover on Avian Frugivores in Eastern Amazonia. <i>Biotropica</i> , 2012, 44, 489-497.	1.6	20
45	Enhanced Migratory Waterfowl Distribution Modeling by Inclusion of Depth to Water Table Data. <i>PLoS ONE</i> , 2012, 7, e30142.	2.5	20
46	Spatial land use trade-offs for maintenance of biodiversity, biofuel, and agriculture. <i>Landscape Ecology</i> , 2015, 30, 1987-1999.	4.2	19
47	A sampling theory for asymmetric communities. <i>Journal of Theoretical Biology</i> , 2011, 273, 1-14.	1.7	15
48	The Role of Demography and Markets in Determining Deforestation Rates Near Ranomafana National Park, Madagascar. <i>PLoS ONE</i> , 2009, 4, e5783.	2.5	14
49	Abundance of Panamanian dry-forest birds along gradients of forest cover at multiple scales. <i>Journal of Tropical Ecology</i> , 2010, 26, 67-78.	1.1	12
50	LORACS: JAVA software for modeling landscape connectivity and matrix permeability. <i>Ecography</i> , 2012, 35, 388-392.	4.5	12
51	A hierarchical model of whole assemblage island biogeography. <i>Ecography</i> , 2017, 40, 982-990.	4.5	12
52	Scale invariance in the spatial-dynamics of biological invasions. <i>NeoBiota</i> , 0, 62, 269-278.	1.0	7
53	Network Theory: An Evolving Approach to Landscape Conservation. , 2003, , 125-134.		6
54	Population status, connectivity, and conservation action for the endangered Baird's tapir. <i>Biological Conservation</i> , 2020, 245, 108501.	4.1	5

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55	Integration of distance, direction and habitat into a predictive migratory movement model for blue-winged teal (<i>Anas discors</i>). <i>Ecological Modelling</i> , 2012, 224, 25-32.	2.5	4
56	Altitudinal limits of Eastern Himalayan birds are created by competition past and present. <i>PLoS ONE</i> , 2019, 14, e0217549.	2.5	4
57	On the quantification of local variation in biodiversity scaling using wavelets. , 2007, , 168-180.		3
58	Cavitation-resistant junipers cease transpiration earlier than cavitation-vulnerable oaks under summer dry conditions. <i>Ecohydrology</i> , 2022, 15, e2337.	2.4	3
59	Neutral processes and reduced dispersal across Amazonian rivers may explain how rivers maintain species diversity after secondary contact. <i>Perspectives in Ecology and Conservation</i> , 2022, 20, 151-158.	1.9	2
60	The Mismatch between Range and Niche Limits due to Source-Sink Dynamics Can Be Greater than Species Mean Dispersal Distance. <i>American Naturalist</i> , 2022, 200, 448-455.	2.1	2
61	Productivity, nutrient imbalance and fragility in coupled producer-decomposer systems. <i>Ecological Modelling</i> , 2012, 245, 12-18.	2.5	1
62	Scale-dependent responses to forest cover displayed by frugivore bats. <i>Oikos</i> , 2008, , .	2.7	1
63	Network isolation and local diversity in neutral metacommunities. <i>Oikos</i> , 2010, 119, 1355.	2.7	1
64	Ecological scale: Theory and applications edited by David L. Peterson and V. Thomas Parker. <i>Complexity</i> , 1999, 4, 28-29.	1.6	0
65	Step-wise drops in modularity and the fragmentation of exploited marine metapopulations. <i>Landscape Ecology</i> , 2017, 32, 1643-1656.	4.2	0