

# Michael A Huston

## List of Publications by Citations

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45  
papers

12,377  
citations

29  
h-index

46  
g-index

46  
ext. papers

13,462  
ext. citations

6.4  
avg, IF

6.57  
L-index

#	Paper	IF	Citations
45	Biodiversity and ecosystem functioning: current knowledge and future challenges. <i>Science</i> , <b>2001</b> , 294, 804-8	33.3	2942
44	A General Hypothesis of Species Diversity. <i>American Naturalist</i> , <b>1979</b> , 113, 81-101	3.7	2408
43	Hidden treatments in ecological experiments: re-evaluating the ecosystem function of biodiversity. <i>Oecologia</i> , <b>1997</b> , 110, 449-460	2.9	1302
42	THE INTERPLAY OF FACILITATION AND COMPETITION IN PLANT COMMUNITIES. <i>Ecology</i> , <b>1997</b> , 78, 1966-1975	4.1	700
41	Plant Succession: Life History and Competition. <i>American Naturalist</i> , <b>1987</b> , 130, 168-198	3.7	609
40	New Computer Models Unify Ecological TheoryComputer simulations show that many ecological patterns can be explained by interactions among individual organisms. <i>BioScience</i> , <b>1988</b> , 38, 682-691	5.7	578
39	Local Processes and Regional Patterns: Appropriate Scales for Understanding Variation in the Diversity of Plants and Animals. <i>Oikos</i> , <b>1999</b> , 86, 393	4	496
38	A theory of the spatial and temporal dynamics of plant communities. <i>Plant Ecology</i> , <b>1989</b> , 83, 49-69		382
37	Competition and Coexistence: The Effects of Resource Transport and Supply Rates. <i>American Naturalist</i> , <b>1994</b> , 144, 954-977	3.7	327
36	Spatial Variability in a Successional Plant Community: Patterns of Nitrogen Availability. <i>Ecology</i> , <b>1988</b> , 69, 1517-1524	4.6	240
35	The global distribution of net primary production: resolving the paradox. <i>Ecological Monographs</i> , <b>2009</b> , 79, 343-377	9	239
34	Management strategies for plant invasions: manipulating productivity, disturbance, and competition. <i>Diversity and Distributions</i> , <b>2004</b> , 10, 167-178	5	202
33	A comparison of direct and indirect methods for estimating forest canopy leaf area. <i>Agricultural and Forest Meteorology</i> , <b>1991</b> , 57, 107-128	5.8	198
32	Patterns of Species Diversity on Coral Reefs. <i>Annual Review of Ecology, Evolution, and Systematics</i> , <b>1985</b> , 16, 149-177		165
31	Disturbance, productivity, and species diversity: empiricism vs. logic in ecological theory. <i>Ecology</i> , <b>2014</b> , 95, 2382-2396	4.6	158
30	Variation in coral growth rates with depth at Discovery Bay, Jamaica. <i>Coral Reefs</i> , <b>1985</b> , 4, 19-25	4.2	157
29	Soil Nutrients and Tree Species Richness in Costa Rican Forests. <i>Journal of Biogeography</i> , <b>1980</b> , 7, 147	4.1	151

28	How does pedogenesis drive plant diversity?. <i>Trends in Ecology and Evolution</i> , <b>2013</b> , 28, 331-40	10.9	130
27	Living in an increasingly connected world: a framework for continental-scale environmental science. <i>Frontiers in Ecology and the Environment</i> , <b>2008</b> , 6, 229-237	5.5	128
26	Regulation of animal size by eNPP, Bergmann's rule and related phenomena. <i>Ecological Monographs</i> , <b>2011</b> , 81, 349-405	9	122
25	Carbon management and biodiversity. <i>Journal of Environmental Management</i> , <b>2003</b> , 67, 77-86	7.9	97
24	Landscape Modeling for Everglades Ecosystem Restoration. <i>Ecosystems</i> , <b>1998</b> , 1, 64-75	3.9	90
23	THE THREE PHASES OF LAND-USE CHANGE: IMPLICATIONS FOR BIODIVERSITY <b>2005</b> , 15, 1864-1878		90
22	A hierarchical perspective of plant diversity. <i>Quarterly Review of Biology</i> , <b>2005</b> , 80, 187-212	5.4	71
21	Precipitation, soils, NPP, and biodiversity: resurrection of Albrecht's curve. <i>Ecological Monographs</i> , <b>2012</b> , 82, 277-296	9	66
20	Comment on "Productivity is a poor predictor of plant species richness". <i>Science</i> , <b>2012</b> , 335, 1441; author reply 1441	33.3	47
19	Conformation to Bergmann's Rule in White-tailed Deer can be Explained by Food Availability. <i>American Midland Naturalist</i> , <b>2009</b> , 162, 403-417	0.7	47
18	EFFECTS OF ANNUAL TILLAGE ON ORGANIC CARBON IN A FINE-TEXTURED UDALF. <i>Soil Science</i> , <b>1990</b> , 149, 78-83	0.9	34
17	Heat and biodiversity. <i>Science</i> , <b>2003</b> , 299, 512-3; author reply 512-3	33.3	30
16	Tree diversity in the northern Neotropics: regional patterns in highly diverse Chiapas, Mexico. <i>Ecography</i> , <b>2004</b> , 27, 741-756	6.5	29
15	Use of individual-based forest succession models to link physiological whole-tree models to landscape-scale ecosystem models. <i>Tree Physiology</i> , <b>1991</b> , 9, 293-306	4.2	27
14	Walker Branch Throughfall Displacement Experiment. <i>Ecological Studies</i> , <b>2003</b> , 8-31	1.1	22
13	Size Bimodality in Plant Populations an Alternative Hypothesis. <i>Ecology</i> , <b>1986</b> , 67, 265-269	4.6	19
12	A long-term experimental test of the dynamic equilibrium model of species diversity. <i>Oecologia</i> , <b>2013</b> , 171, 439-48	2.9	16
11	Effects of agricultural soil loss on forest succession rates and tree diversity in east Tennessee. <i>Oikos</i> , <b>2000</b> , 90, 431-441	4	16

10	A theory of the spatial and temporal dynamics of plant communities <b>1990</b> , 49-69		9
9	Individual-Based Forest Succession Models and the Theory of Plant Competition <b>1992</b> , 408-420		9
8	Further Considerations on the Debate Over Herbivore Optimization Theory <b>1993</b> , 3, 30-31		8
7	On disturbance and diversity: a reply to Mackey and Currie. <i>Oikos</i> , <b>2001</b> , 92, 367-371	4	7
6	Consumer Diversity and Secondary Production. <i>Ecological Studies</i> , <b>1996</b> , 33-47	1.1	3
5	Long-Term Forest Dynamics and Tree Growth at the TDE Site on Walker Branch Watershed. <i>Ecological Studies</i> , <b>2003</b> , 417-432	1.1	3
4	PREDICTING TEMPORAL AND SPATIAL FLOOD DYNAMICS USING A PRECALIBRATED MODEL1. <i>Journal of the American Water Resources Association</i> , <b>1994</b> , 30, 651-661	2.1	1
3	Coherent infrared imaging camera (CIRIC) <b>1995</b> ,		1
2	External Influences on Ecological Theory: Report on Organized Oral Session 80 at the 100th Anniversary Meeting of the Ecological Society of America. <i>Bulletin of the Ecological Society of America</i> , <b>2016</b> , 97, 311-317	0.7	
1	Response of Understory Tree Seedling Populations to Spatiotemporal Variation in Soil Moisture. <i>Ecological Studies</i> , <b>2003</b> , 227-254	1.1	