

Mark J McDonnell

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/6193988/publications.pdf>

Version: 2024-02-01

57
papers

5,441
citations

147566

31
h-index

223531

46
g-index

58
all docs

58
docs citations

58
times ranked

5064
citing authors

#	ARTICLE	IF	CITATIONS
1	Ecosystem processes along an urban-to-rural gradient. <i>Urban Ecosystems</i> , 1997, 1, 21-36.	1.1	444
2	The use of gradient analysis studies in advancing our understanding of the ecology of urbanizing landscapes: current status and future directions. <i>Landscape Ecology</i> , 2008, 23, 1143-1155.	1.9	392
3	A conceptual framework for predicting the effects of urban environments on floras. <i>Journal of Ecology</i> , 2009, 97, 4-9.	1.9	346
4	The structural complexity of old field vegetation and the recruitment of bird-dispersed plant species. <i>Oecologia</i> , 1983, 56, 109-116.	0.9	344
5	Amphibian ecology and conservation in the urbanising world: A review. <i>Biological Conservation</i> , 2008, 141, 2432-2449.	1.9	334
6	A global synthesis of plant extinction rates in urban areas. <i>Ecology Letters</i> , 2009, 12, 1165-1173.	3.0	253
7	Adaptation and Adaptedness of Organisms to Urban Environments. <i>Annual Review of Ecology, Evolution, and Systematics</i> , 2015, 46, 261-280.	3.8	228
8	Selecting independent measures to quantify Melbourne's urban-rural gradient. <i>Landscape and Urban Planning</i> , 2006, 78, 435-448.	3.4	217
9	The ecological future of cities. <i>Science</i> , 2016, 352, 936-938.	6.0	190
10	Evolution and future of urban ecological science: ecology in, of, and for the city. <i>Ecosystem Health and Sustainability</i> , 2016, 2, .	1.5	177
11	A roadmap for urban evolutionary ecology. <i>Evolutionary Applications</i> , 2019, 12, 384-398.	1.5	161
12	Plant traits and local extinctions in natural grasslands along an urban-rural gradient. <i>Journal of Ecology</i> , 2005, 93, 1203-1213.	1.9	159
13	The future of urban biodiversity research: Moving beyond the "low-hanging fruit". <i>Urban Ecosystems</i> , 2013, 16, 397-409.	1.1	133
14	CH ₄ uptake and N availability in forest soils along an urban to rural gradient. <i>Soil Biology and Biochemistry</i> , 1995, 27, 281-286.	4.2	125
15	Soil Characteristics of Oak Stands along an Urban-Rural Land-Use Gradient. <i>Journal of Environmental Quality</i> , 1995, 24, 516-526.	1.0	122
16	Plant traits and extinction in urban areas: a meta-analysis of 11 cities. <i>Global Ecology and Biogeography</i> , 2011, 20, 509-519.	2.7	122
17	Forest-Landscape Structure along an Urban-To-Rural Gradient*. <i>Professional Geographer</i> , 1995, 47, 159-168.	1.0	121
18	Title is missing!. <i>Urban Ecosystems</i> , 1997, 1, 117-131.	1.1	114

#	ARTICLE	IF	CITATIONS
19	Effects of Environment and Land-Use History on Upland Forests of the Cary Arboretum, Hudson Valley, New York. <i>Bulletin of the Torrey Botanical Club</i> , 1990, 117, 106.	0.6	109
20	Range expansion due to urbanization: Increased food resources attract Grey-headed Flying-foxes (<i>Pteropus poliocephalus</i>) to Melbourne. <i>Austral Ecology</i> , 2006, 31, 190-198.	0.7	95
21	Factors influencing the loss of an endangered ecosystem in an urbanising landscape: a case study of native grasslands from Melbourne, Australia. <i>Landscape and Urban Planning</i> , 2005, 71, 35-49.	3.4	88
22	Nitrogen cycling processes and soil characteristics in an urban versus rural forest. <i>Biogeochemistry</i> , 1988, 5, 243-262.	1.7	82
23	The Application of the Ecological Gradient Paradigm to the Study of Urban Effects. , 1993, , 175-189.		80
24	Old field Vegetation Height and the Dispersal Pattern of Bird-Disseminated Woody Plants. <i>Bulletin of the Torrey Botanical Club</i> , 1986, 113, 6.	0.6	78
25	LOCAL EXTINCTION OF GRASSLAND PLANTS: THE LANDSCAPE MATRIX IS MORE IMPORTANT THAN PATCH ATTRIBUTES. <i>Ecology</i> , 2006, 87, 3000-3006.	1.5	76
26	Ecosystem Processes Along an Urban-to-Rural Gradient. , 0, , 299-313.		74
27	The habitat hectares approach to vegetation assessment: An evaluation and suggestions for improvement. <i>Ecological Management and Restoration</i> , 2004, 5, 24-27.	0.7	70
28	The response of herpetofauna to urbanization: Inferring patterns of persistence from wildlife databases. <i>Austral Ecology</i> , 2010, 35, 568-580.	0.7	64
29	Forty-Eight Years of Canopy Change in a Hardwood-Hemlock Forest in New York City. <i>Bulletin of the Torrey Botanical Club</i> , 1989, 116, 52.	0.6	63
30	The History of Urban Ecology. , 2011, , 5-13.		56
31	The importance of habitat design and aquatic connectivity in amphibian use of urban stormwater retention ponds. <i>Urban Ecosystems</i> , 2012, 15, 451-471.	1.1	55
32	Biotic homogenization in an increasingly urbanized temperate grassland ecosystem. <i>Journal of Vegetation Science</i> , 2017, 28, 550-561.	1.1	49
33	Spatial Heterogeneity During Succession: A Cyclic Model of Invasion and Exclusion. <i>Ecological Studies</i> , 1991, , 256-269.	0.4	47
34	Functional trait changes in the floras of 11 cities across the globe in response to urbanization. <i>Ecography</i> , 2017, 40, 875-886.	2.1	42
35	The importance of small urban reserves for plant conservation. <i>Biological Conservation</i> , 2017, 213, 146-153.	1.9	42
36	Title is missing!. <i>Urban Ecosystems</i> , 1998, 2, 43-59.	1.1	34

#	ARTICLE	IF	CITATIONS
37	Planting conditions improve translocation success of the endangered terrestrial orchid <i>Diuris fragrantissima</i> (Orchidaceae). <i>Australian Journal of Botany</i> , 2009, 57, 200.	0.3	26
38	Composition of the plant community in remnant patches of grassy woodland along an urban-rural gradient in Melbourne, Australia. <i>Urban Ecosystems</i> , 2007, 10, 355-377.	1.1	23
39	Investigative approaches to urban biogeochemical cycles: New York metropolitan area and Baltimore as case studies. , 2009, , 329-352.		22
40	BIRD-DISPERSAL OF <i>PHYTOLACCA AMERICANA</i> L. AND THE INFLUENCE OF FRUIT REMOVAL ON SUBSEQUENT FRUIT DEVELOPMENT. <i>American Journal of Botany</i> , 1984, 71, 895-901.	0.8	18
41	The effect of urban ground covers on arthropods: An experiment. <i>Urban Ecosystems</i> , 2014, 17, 77-99.	1.1	18
42	Comparative urban ecology: challenges and possibilities. , 2009, , 9-24.		17
43	Global variation in contributions to human well-being from urban vegetation ecosystem services. <i>One Earth</i> , 2022, 5, 522-533.	3.6	17
44	Exposing an urban ecology straw man: critique of Ramalho and Hobbs. <i>Trends in Ecology and Evolution</i> , 2012, 27, 255-256.	4.2	15
45	Extinction debt of cities and ways to minimise their realisation: a focus on Melbourne. <i>Ecological Management and Restoration</i> , 2014, 15, 102-110.	0.7	15
46	<i>Journal of Urban Ecology</i> : Linking and promoting research and practice in the evolving discipline of urban ecology: Figure 1.. <i>Journal of Urban Ecology</i> , 2015, 1, juv003.	0.6	14
47	Abundance, species richness and feeding preferences of introduced molluscs in native grasslands of Victoria, Australia. <i>Austral Ecology</i> , 2007, 32, 626-634.	0.7	13
48	Restoring and managing biodiversity in an urbanizing world filled with tensions. <i>Ecological Management and Restoration</i> , 2007, 8, 83-84.	0.7	11
49	Introduction: Scope of the book and need for developing a comparative approach to the ecological study of cities and towns. , 2009, , 1-6.		9
50	A comparative ecology of cities and towns: synthesis of opportunities and limitations. , 2009, , 574-596.		8
51	Frameworks for urban ecosystem studies: gradients, patch dynamics and the human ecosystem in the New York metropolitan area and Baltimore, USA. , 0, , 25-50.		7
52	Local Assessment of Melbourne: The Biodiversity and Social-Ecological Dynamics of Melbourne, Australia. , 2013, , 385-407.		6
53	Comparative effects of urbanisation in marine and terrestrial habitats. , 0, , 51-70.		4
54	Composition of the soil seed bank in remnant patches of grassy woodland along an urbanization gradient in Melbourne, Australia. <i>Plant Ecology</i> , 2013, 214, 1247-1256.	0.7	4

#	ARTICLE	IF	CITATIONS
55	Moving beyond biotic homogenization: searching for new insights into vegetation dynamics. <i>Journal of Vegetation Science</i> , 2016, 27, 439-440.	1.1	4
56	Invertebrate biodiversity in urban landscapes: assessing remnant habitat and its restoration. , 0, , 215-232.		3
57	The art and science of writing a publishable article. <i>Journal of Urban Ecology</i> , 2017, 3, .	0.6	1