

Mary L Cadenasso

List of Publications by Year in descending order

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Version: 2024-02-01

68
papers

5,943
citations

159525

30
h-index

138417

58
g-index

72
all docs

72
docs citations

72
times ranked

5699
citing authors

#	ARTICLE	IF	CITATIONS
1	Does spatial configuration matter? Understanding the effects of land cover pattern on land surface temperature in urban landscapes. <i>Landscape and Urban Planning</i> , 2011, 102, 54-63.	3.4	668
2	Spatial heterogeneity in urban ecosystems: reconceptualizing land cover and a framework for classification. <i>Frontiers in Ecology and the Environment</i> , 2007, 5, 80-88.	1.9	439
3	Effects of the spatial configuration of trees on urban heat mitigation: A comparative study. <i>Remote Sensing of Environment</i> , 2017, 195, 1-12.	4.6	333
4	Trees Grow on Money: Urban Tree Canopy Cover and Environmental Justice. <i>PLoS ONE</i> , 2015, 10, e0122051.	1.1	329
5	A Framework for a Theory of Ecological Boundaries. <i>BioScience</i> , 2003, 53, 750.	2.2	325
6	Beyond Urban Legends: An Emerging Framework of Urban Ecology, as Illustrated by the Baltimore Ecosystem Study. <i>BioScience</i> , 2008, 58, 139-150.	2.2	288
7	Forest Edges as Nutrient and Pollutant Concentrators: Potential Synergisms between Fragmentation, Forest Canopies, and the Atmosphere. <i>Conservation Biology</i> , 2001, 15, 1506-1514.	2.4	256
8	Predicting Opportunities for Greening and Patterns of Vegetation on Private Urban Lands. <i>Environmental Management</i> , 2007, 40, 394-412.	1.2	244
9	An Ecology for Cities: A Transformational Nexus of Design and Ecology to Advance Climate Change Resilience and Urban Sustainability. <i>Sustainability</i> , 2015, 7, 3774-3791.	1.6	208
10	Accumulation of Carbon and Nitrogen in Residential Soils with Different Land-Use Histories. <i>Ecosystems</i> , 2011, 14, 287-297.	1.6	180
11	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
12	Exotic plant invasions over 40 years of old field successions: community patterns and associations. <i>Ecography</i> , 2002, 25, 215-223.	2.1	176
13	Landscape, vegetation characteristics, and group identity in an urban and suburban watershed: why the 60s matter. <i>Urban Ecosystems</i> , 2010, 13, 255-271.	1.1	166
14	Human and biophysical legacies shape contemporary urban forests: A literature synthesis. <i>Urban Forestry and Urban Greening</i> , 2018, 31, 157-168.	2.3	141
15	Shifting concepts of urban spatial heterogeneity and their implications for sustainability. <i>Landscape Ecology</i> , 2017, 32, 15-30.	1.9	128
16	The New Global Urban Realm: Complex, Connected, Diffuse, and Diverse Social-Ecological Systems. <i>Sustainability</i> , 2015, 7, 5211-5240.	1.6	124
17	An Interdisciplinary and Synthetic Approach to Ecological Boundaries. <i>BioScience</i> , 2003, 53, 717.	2.2	121
18	Plant colonization windows in a mesic old field succession. <i>Applied Vegetation Science</i> , 2003, 6, 205-212.	0.9	117

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19	Land use context and natural soil controls on plant community composition and soil nitrogen and carbon dynamics in urban and rural forests. <i>Forest Ecology and Management</i> , 2006, 236, 177-192.	1.4	115
20	Data and Methods Comparing Social Structure and Vegetation Structure of Urban Neighborhoods in Baltimore, Maryland. <i>Society and Natural Resources</i> , 2006, 19, 117-136.	0.9	113
21	The effects of the urban built environment on the spatial distribution of lead in residential soils. <i>Environmental Pollution</i> , 2012, 163, 32-39.	3.7	103
22	Does the ecological concept of disturbance have utility in urban social-ecological-technological systems?. <i>Ecosystem Health and Sustainability</i> , 2017, 3, .	1.5	98
23	Urban Principles for Ecological Landscape Design and Management: Scientific Fundamentals. <i>Cities and the Environment</i> , 2008, 1, 1-16.	0.1	88
24	The Benefits and Limits of Urban Tree Planting for Environmental and Human Health. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	83
25	Effects of plant invasions on the species richness of abandoned agricultural land. <i>Ecography</i> , 2001, 24, 633-644.	2.1	83
26	Beyond biodiversity: individualistic controls of invasion in a self-assembled community. <i>Ecology Letters</i> , 2004, 7, 121-126.	3.0	82
27	Moving Towards a New Urban Systems Science. <i>Ecosystems</i> , 2017, 20, 38-43.	1.6	63
28	Quantifying Spatial Heterogeneity in Urban Landscapes: Integrating Visual Interpretation and Object-Based Classification. <i>Remote Sensing</i> , 2014, 6, 3369-3386.	1.8	56
29	Nitrate production and availability in residential soils. , 2011, 21, 2357-2366.		48
30	Integrative approaches to investigating human-natural systems: the Baltimore ecosystem study. <i>Natures Sciences Societes</i> , 2006, 14, 4-14.	0.1	47
31	Expanding the conceptual frameworks of plant invasion ecology. <i>Perspectives in Plant Ecology, Evolution and Systematics</i> , 2011, 13, 89-100.	1.1	44
32	From feedbacks to coproduction: toward an integrated conceptual framework for urban ecosystems. <i>Urban Ecosystems</i> , 2019, 22, 65-76.	1.1	30
33	Growing Gardens in Shrinking Cities: A Solution to the Soil Lead Problem?. <i>Sustainability</i> , 2016, 8, 141.	1.6	26
34	Plant colonization windows in a mesic old field succession. <i>Applied Vegetation Science</i> , 2003, 6, 205.	0.9	24
35	A comparison of three empirically based, spatially explicit predictive models of residential soil Pb concentrations in Baltimore, Maryland, USA: understanding the variability within cities. <i>Environmental Geochemistry and Health</i> , 2013, 35, 495-510.	1.8	24
36	Heterogeneity in Urban Ecosystems: Patterns and Process. , 2005, , 257-278.		22

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37	Democratization of ecosystem services—a radical approach for assessing nature’s benefits in the face of urbanization. <i>Ecosystem Health and Sustainability</i> , 2018, 4, 115-131.	1.5	22
38	Changes in vegetation structure and composition of urban and rural forest patches in Baltimore from 1998 to 2015. <i>Forest Ecology and Management</i> , 2019, 454, 117665.	1.4	21
39	Theoretical Perspectives of the Baltimore Ecosystem Study: Conceptual Evolution in a Social—Ecological Research Project. <i>BioScience</i> , 2020, 70, 297-314.	2.2	20
40	Watersheds in Baltimore, Maryland: Understanding and Application of Integrated Ecological and Social Processes. <i>Journal of Contemporary Water Research and Education</i> , 2007, 136, 44-55.	0.7	18
41	How many principles of urban ecology are there?. <i>Landscape Ecology</i> , 2017, 32, 699-705.	1.9	18
42	Riparian canopy expansion in an urban landscape: Multiple drivers of vegetation change along headwater streams near Sacramento, California. <i>Landscape and Urban Planning</i> , 2018, 172, 37-46.	3.4	18
43	Weaving Community-University Research and Action Partnerships for environmental justice. <i>Action Research</i> , 2018, 16, 173-189.	0.8	18
44	Nitrogen deposition across scales: hotspots and gradients in a California savanna landscape. <i>Ecosphere</i> , 2015, 6, 1-12.	1.0	17
45	The Effect of Nitrogen Deposition on Plant Performance and Community Structure: Is It Life Stage Specific?. <i>PLoS ONE</i> , 2016, 11, e0156685.	1.1	16
46	Controls on denitrification potential in nitrate-rich waterways and riparian zones of an irrigated agricultural setting. <i>Ecological Applications</i> , 2018, 28, 1055-1067.	1.8	15
47	Moving dirt: soil, lead, and the dynamic spatial politics of urban gardening. <i>Local Environment</i> , 2017, 22, 998-1018.	1.1	13
48	Linking Nitrogen Export to Landscape Heterogeneity: The Role of Infrastructure and Storm Flows in a Mediterranean Urban System. <i>Journal of the American Water Resources Association</i> , 2016, 52, 456-472.	1.0	12
49	Valuing the Role of Time in Urban Ecology. <i>Frontiers in Ecology and Evolution</i> , 2021, 9, .	1.1	12
50	Coproduction of place and knowledge for ecology with the city. <i>Urban Ecosystems</i> , 2022, 25, 765-771.	1.1	10
51	An expanded framework for wildland—urban interfaces and their management. <i>Frontiers in Ecology and the Environment</i> , 2022, 20, 516-523.	1.9	7
52	Using realistic nitrogen deposition levels to test the impact of deposition relative to other interacting factors on the germination and establishment of grasses in the California oak savanna. <i>Plant Ecology</i> , 2016, 217, 43-55.	0.7	6
53	Testing urban drivers of riparian woody vegetation composition in a precipitation-limited system. <i>Journal of Ecology</i> , 2020, 108, 470-484.	1.9	6
54	The relationship between community diversity and exotic plants: cause or consequence of invasion?. , 2005, , 97-114.		5

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55	Nitrogen retention and loss in unfertilized lawns across a light gradient. <i>Urban Ecosystems</i> , 2017, 20, 1319-1330.	1.1	5
56	Unearthing the entangled roots of urban agriculture. <i>Agriculture and Human Values</i> , 2021, 38, 205-220.	1.7	5
57	Building an Urban LTSER: The Case of the Baltimore Ecosystem Study and the D.C./B.C. ULTRA-Ex Project. , 2013, , 369-408.		5
58	Stormwater utility fees and household affordability of urban water services. <i>Water Policy</i> , 2022, 24, 998-1013.	0.7	5
59	Importance of Integrated Approaches and Perspectives. , 0, , 258-273.		4
60	Ecology and Environmental Justice: Understanding Disturbance Using Ecological Theory. , 2013, , 27-47.		3
61	Ecosystems in a Heterogeneous World. , 2013, , 191-213.		3
62	Media Frames and Shifting Places of Environmental (In)Justice: A Qualitative Historical Geographic Information System Method. <i>Environmental Justice</i> , 2016, 9, 23-28.	0.8	3
63	Urban channel incision and stream flow subsidies have contrasting effects on the water status of riparian trees. <i>Urban Ecosystems</i> , 2020, 23, 419-430.	1.1	2
64	Principles of Urban Ecological Science:. , 2019, , 251-286.		2
65	Urban runoff and stream channel incision interact to influence riparian soils and understory vegetation. <i>Ecological Applications</i> , 2022, 32, e2556.	1.8	2
66	Cross-scale controls on the in-stream dynamics of nitrate and turbidity in semiarid agricultural waterway networks. <i>Journal of Environmental Management</i> , 2020, 262, 110307.	3.8	1
67	Ecosystems in a Heterogeneous World. , 2021, , 227-248.		1
68	Systems in Flames: Dynamic Coproduction of Socialâ€™Ecological Processes. <i>BioScience</i> , 0, , .	2.2	1