Steward Pickett

List of Publications by Year
in descending order

101	12,720	38742 50	60623 81
papers	citations	h-index	g-index

105	105	105	9508
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Beyond city expansion: multi-scale environmental impacts of urban megaregion formation in China. National Science Review, 2022, 9, nwab107.	9.5	62
2	Coproduction of place and knowledge for ecology with the city. Urban Ecosystems, 2022, 25, 765-771.	2.4	10
3	A framework for research on recurrent acute disasters. Science Advances, 2022, 8, eabk2458.	10.3	11
4	Conceptual frameworks facilitate integration for transdisciplinary urban science. Npj Urban Sustainability, 2021, 1, .	8.0	45
5	Residential housing segregation and urban tree canopy in 37 US Cities. Npj Urban Sustainability, 2021, 1, .	8.0	104
6	Ecosystems in a Heterogeneous World. , 2021, , 227-248.		1
7	Evolution of Social-Ecological Research in the LTER Network and the Baltimore Ecosystem Study. Archimedes, 2021, , 279-314.	0.3	1
8	Ecosystem Function. Encyclopedia of the UN Sustainable Development Goals, 2021, , 282-289.	0.1	0
9	Urban tree canopy has greater cooling effects in socially vulnerable communities in the US. One Earth, 2021, 4, 1764-1775.	6.8	42
10	Urban mapping needs up-to-date approaches to provide diverse perspectives of current urbanization: A novel attempt to map urban areas with nighttime light data. Landscape and Urban Planning, 2020, 195, 103709.	7.5	58
11	Theoretical Perspectives of the Baltimore Ecosystem Study: Conceptual Evolution in a Socialâ€“Ecological Research Project. BioScience, 2020, 70, 297-314.	4.9	20
12	Long-Term Ecological Research and Evolving Frameworks of Disturbance Ecology. BioScience, 2020, 70, 141-156.	4.9	37
13	Integrating structure and function: mapping the hierarchical spatial heterogeneity of urban landscapes. Ecological Processes, 2020, 9, .	3.9	21
14	Ecosystem Function. Encyclopedia of the UN Sustainable Development Goals, 2020, , 1-8.	0.1	0
15	Forest ethnography: An approach to study the environmental history and political ecology of urban forests. Urban Ecosystems, 2019, 22, 49-63.	2.4	16
16	Risks and Causes of Population Exposure to Cumulative Fine Particulate (PM2.5) Pollution in China. Earth's Future, 2019, 7, 615-622.	6.3	16
17	Plants in the city: understanding recruitment dynamics in urban landscapes. Frontiers in Ecology and the Environment, 2019, 17, 455-463.	4.0	43
18	From transdisciplinary projects to platforms: expanding capacity and impact of land systems knowledge and decision making. Current Opinion in Environmental Sustainability, 2019, 38, 7-13.	6.3	20

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19	Understanding an urbanizing planet: Strategic directions for remote sensing. Remote Sensing of Environment, 2019, 228, 164-182.	11.0	227
20	From feedbacks to coproduction: toward an integrated conceptual framework for urban ecosystems. Urban Ecosystems, 2019, 22, 65-76.	2.4	30
21	Principles of Urban Ecological Science:. , 2019, , 251-286.		2
22	The rapid but â€œinvisibleâ€•changes in urban greenspace: A comparative study of nine Chinese cities. Science of the Total Environment, 2018, 627, 1572-1584.	8.0	97
23	The Legacy Effect: Understanding How Segregation and Environmental Injustice Unfold over Time in Baltimore. Annals of the American Association of Geographers, 2018, 108, 524-537.	2.2	106
24	Democratization of ecosystem servicesâ€”a radical approach for assessing natureâ€™s benefits in the face of urbanization. Ecosystem Health and Sustainability, 2018, 4, 115-131.	3.1	22
25	The smart growth of Chinese cities: Opportunities offered by vacant land. Land Degradation and Development, 2018, 29, 3512-3520.	3.9	31
26	Dynamic heterogeneity: a framework to promote ecological integration and hypothesis generation in urban systems. Urban Ecosystems, 2017, 20, 1-14.	2.4	140
27	How many principles of urban ecology are there?. Landscape Ecology, 2017, 32, 699-705.	4.2	18
28	Does the ecological concept of disturbance have utility in urban socialâ€“ecologicalâ€“technological systems?. Ecosystem Health and Sustainability, 2017, 3, .	3.1	98
29	Is initial postâ€disturbance regeneration indicative of longerâ€term trajectories?. Ecosphere, 2017, 8, e01924.	2.2	36
30	Moving Towards a New Urban Systems Science. Ecosystems, 2017, 20, 38-43.	3.4	63
31	Shifting concepts of urban spatial heterogeneity and their implications for sustainability. Landscape Ecology, 2017, 32, 15-30.	4.2	128
32	Spatial-Temporal Variations of Water Quality and Its Relationship to Land Use and Land Cover in Beijing, China. International Journal of Environmental Research and Public Health, 2016, 13, 449.	2.6	44
33	Demystifying governance and its role for transitions in urban socialâ€“ecological systems. Ecosphere, 2016, 7, e01564.	2.2	22
34	Evolution and future of urban ecological science: ecology in, of, and for the city. Ecosystem Health and Sustainability, 2016, 2, .	3.1	177
35	Advancing Urban Ecology toward a Science of Cities. BioScience, 2016, 66, 198-212.	4.9	491
36	Diatoms are better indicators of urban stream conditions: A case study in Beijing, China. Ecological Indicators, 2016, 60, 265-274.	6.3	52

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37	The New Global Urban Realm: Complex, Connected, Diffuse, and Diverse Social-Ecological Systems. Sustainability, 2015, 7, 5211-5240.	3.2	124
38	Quantifying spatiotemporal pattern of urban greenspace: new insights from high resolution data. Landscape Ecology, 2015, 30, 1165-1173.	4.2	99
39	An Ecology for Cities: A Transformational Nexus of Design and Ecology to Advance Climate Change Resilience and Urban Sustainability. Sustainability, 2015, 7, 3774-3791.	3.2	208
40	Global urbanization as a shifting context for applying ecological science toward the sustainable city. Ecosystem Health and Sustainability, 2015, 1, 1-15.	3.1	47
41	Quantifying Spatial Heterogeneity in Urban Landscapes: Integrating Visual Interpretation and Object-Based Classification. Remote Sensing, 2014, 6, 3369-3386.	4.0	56
42	Advancing urban sustainability theory and action: Challenges and opportunities. Landscape and Urban Planning, 2014, 125, 320-328.	7.5	193
43	Ecological resilience and resilient cities. Building Research and Information, 2014, 42, 143-157.	3.9	119
44	Reconceptualizing Land for Sustainable Urbanity. , 2014, , 313-330.		17
45	Ecology and Environmental Justice: Understanding Disturbance Using Ecological Theory. , 2013, , 27-47.		3
46	Urban ecology in a developing world: why advanced socioecological theory needs Africa. Frontiers in Ecology and the Environment, 2013, 11, 556-564.	4.0	63
47	Ecosystems in a Heterogeneous World. , 2013, , 191-213.		3
48	Urban Ecology. , 2013, , 273-301.		2
49	The Ecology of the Metacity: Shaping the Dynamic, Patchy, Networked, and Adaptive Cities of the Future. Future City, 2013, , 463-489.	0.5	12
50	Three Tides: The Development and State of the Art of Urban Ecological Science. Future City, 2013, , 29-46.	0.5	17
51	Ecological Heterogeneity in Urban Ecosystems: Reconceptualized Land Cover Models as a Bridge to Urban Design. Future City, 2013, , 107-129.	0.5	43
52	Socioecological revitalization of an urban watershed. Frontiers in Ecology and the Environment, 2013, 11, 28-36.	4.0	26
53	Invitation to Earth Stewardship. Frontiers in Ecology and the Environment, 2013, 11, 339-339.	4.0	19
54	Building an Urban LTSER: The Case of the Baltimore Ecosystem Study and the D.C./B.C. ULTRA-Ex Project. , 2013, , 369-408.		5

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55	Stewardship of the Biosphere in the Urban Era. , 2013, , 719-746.		31
56	The effects of the urban built environment on the spatial distribution of lead inÂresidential soils. Environmental Pollution, 2012, 163, 32-39.	7.5	103
57	Biodiversity on the Urban Landscape. Ecological Studies, 2011, , 75-101.	1.2	26
58	Cross-system comparisons elucidate disturbance complexities and generalities. Ecosphere, 2011, 2, art81.	2.2	107
59	Earth Stewardship: science for action to sustain the human-earth system. Ecosphere, 2011, 2, art89.	2.2	154
60	90Âyears of forest cover change in an urbanizing watershed: spatial and temporal dynamics. Landscape Ecology, 2011, 26, 645-659.	4.2	66
61	Social-ecological science in the humane metropolis. Urban Ecosystems, 2011, 14, 319-339.	2.4	50
62	Urban ecological systems: Scientific foundations and a decade of progress. Journal of Environmental Management, 2011, 92, 331-362.	7.8	772
63	Nitrate production and availability in residential soils. , 2011, 21, 2357-2366.		48
64	The Metacity: A Conceptual Framework for Integrating Ecology and Urban Design. Challenges, 2011, 2, 55-72.	1.7	41
65	Biodiversity and Community Composition in Urban Ecosystems: Coupled Human, Spatial, and Metacommunity Processes. , 2011, , 179-186.		58
66	Altered resources, disturbance, and heterogeneity: A framework for comparing urban and non-urban soils. Urban Ecosystems, 2009, 12, 23-44.	2.4	125
67	Urban ecosystems: What would Tansley do?. Urban Ecosystems, 2009, 12, 1-8.	2.4	81
68	Exchanges across Landâ€Waterâ€Scape Boundaries in Urban Systems. Annals of the New York Academy of Sciences, 2008, 1134, 213-232.	3.8	52
69	Beyond Urban Legends: An Emerging Framework of Urban Ecology, as Illustrated by the Baltimore Ecosystem Study. BioScience, 2008, 58, 139-150.	4.9	288
70	Urban Principles for Ecological Landscape Design and Management: Scientific Fundamentals. Cities and the Environment, 2008, 1, 1-16.	0.4	88
71	Spatial heterogeneity in urban ecosystems: reconceptualizing land cover and a framework for classification. Frontiers in Ecology and the Environment, 2007, 5, 80-88.	4.0	439
72	Ecological Understanding and the Public. , 2007, , 187-206.		40

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73	Predicting Opportunities for Greening and Patterns of Vegetation on Private Urban Lands. Environmental Management, 2007, 40, 394-412.	2.7	244
74	Watersheds in Baltimore, Maryland: Understanding and Application of Integrated Ecological and Social Processes. Journal of Contemporary Water Research and Education, 2007, 136, 44-55.	0.7	18
75	The Anatomy of Theory. , 2007, , 61-96.		2
76	The Ontogeny of Theory. , 2007, , 97-115.		5
77	Data and Methods Comparing Social Structure and Vegetation Structure of Urban Neighborhoods in Baltimore, Maryland. Society and Natural Resources, 2006, 19, 117-136.	1.9	113
78	Characterization of Households and its Implications for the Vegetation of Urban Ecosystems. Ecosystems, 2006, 9, 578-597.	3.4	321
79	Integrative approaches to investigating human-natural systems: the Baltimore ecosystem study. Natures Sciences Societes, 2006, 14, 4-14.	0.4	47
80	Designed experiments: new approaches to studying urban ecosystems. Frontiers in Ecology and the Environment, 2005, 3, 549-556.	4.0	158
81	A Framework for a Theory of Ecological Boundaries. BioScience, 2003, 53, 750.	4.9	325
82	The Ecosystem as a Multidimensional Concept: Meaning, Model, and Metaphor. Ecosystems, 2002, 5, 1-10.	3.4	229
83	Urban Ecological Systems: Linking Terrestrial Ecological, Physical, and Socioeconomic Components of Metropolitan Areas. Annual Review of Ecology, Evolution, and Systematics, 2001, 32, 127-157.	6.7	1,136
84	THE APPLICATION OF ECOLOGICAL PRINCIPLES TO URBAN AND URBANIZING LANDSCAPES. , 2000, 10, 685-688.		137
85	Integrated Approaches to Long-TermStudies of Urban Ecological Systems. BioScience, 2000, 50, 571.	4.9	868
86	The Culture of Synthesis: Habits of Mind in Novel Ecological Integration. Oikos, 1999, 87, 479.	2.7	19
87	Interdisciplinary Research: Maintaining the Constructive Impulse in a Culture of Criticism. Ecosystems, 1999, 2, 302-307.	3.4	111
88	Ecosystem Management in the Context of Large, Infrequent Disturbances. Ecosystems, 1998, 1, 546-557.	3.4	115
89	Adopting a modern ecological view of the metropolitan landscape: the case of a greenspace system for the New York City region. Landscape and Urban Planning, 1998, 39, 295-308.	7.5	114
90	The Self-Identity of Ecological Units. Oikos, 1998, 82, 253.	2.7	66

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91	Ecosystem processes along an urban-to-rural gradient. Urban Ecosystems, 1997, 1, 21-36.	2.4	444
92	A conceptual framework for the study of human ecosystems in urban areas. Urban Ecosystems, 1997, 1, 185-199.	2.4	310
93	Integrated urban ecosystem research. Urban Ecosystems, 1997, 1, 183-184.	2.4	65
94	CH4 uptake and N availability in forest soils along an urban to rural gradient. Soil Biology and Biochemistry, 1995, 27, 281-286.	8.8	125
95	Forest-Landscape Structure along an Urban-To-Rural Gradient*. Professional Geographer, 1995, 47, 159-168.	1.8	121
96	The Application of the Ecological Gradient Paradigm to the Study of Urban Effects. , 1993, , 175-189.		80
97	The New Paradigm in Ecology: Implications for Conservation Biology Above the Species Level. , 1992, , 65-88.		224
98	Ecosystem Structure and Function along Urban-Rural Gradients: An Unexploited Opportunity for Ecology. Ecology, 1990, 71, 1232-1237.	3.2	877
99	The Ecological Concept of Disturbance and Its Expression at Various Hierarchical Levels. Oikos, 1989, 54, 129.	2.7	413
100	Importance of Integrated Approaches and Perspectives. , 0, , 258-273.		4
101	Systems in Flames: Dynamic Coproduction of Socialâ€“Ecological Processes. BioScience, 0, , .	4.9	1