

Robert I McDonald

List of Publications by Year in descending order

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Version: 2024-02-01

30
papers

3,619
citations

304743

22
h-index

501196

28
g-index

33
all docs

33
docs citations

33
times ranked

4642
citing authors

#	ARTICLE	IF	CITATIONS
1	Urban growth, climate change, and freshwater availability. Proceedings of the National Academy of Sciences of the United States of America, 2011, 108, 6312-6317.	7.1	582
2	Water competition between cities and agriculture driven by climate change and urban growth. Nature Sustainability, 2018, 1, 51-58.	23.7	491
3	Biodiversity impacts and conservation implications of urban land expansion projected to 2050. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, e2117297119.	7.1	312
4	Social-ecological and technological factors moderate the value of urban nature. Nature Sustainability, 2019, 2, 29-38.	23.7	293
5	Research gaps in knowledge of the impact of urban growth on biodiversity. Nature Sustainability, 2020, 3, 16-24.	23.7	267
6	Energy Sprawl or Energy Efficiency: Climate Policy Impacts on Natural Habitat for the United States of America. PLoS ONE, 2009, 4, e6802.	2.5	264
7	Urban effects, distance, and protected areas in an urbanizing world. Landscape and Urban Planning, 2009, 93, 63-75.	7.5	197
8	Global urbanization: can ecologists identify a sustainable way forward?. Frontiers in Ecology and the Environment, 2008, 6, 99-104.	4.0	127
9	Global Urban Growth and the Geography of Water Availability, Quality, and Delivery. Ambio, 2011, 40, 437-446.	5.5	126
10	Estimating watershed degradation over the last century and its impact on water-treatment costs for the world's large cities. Proceedings of the National Academy of Sciences of the United States of America, 2016, 113, 9117-9122.	7.1	116
11	Nature inequity and higher COVID-19 case rates in less-green neighbourhoods in the United States. Nature Sustainability, 2021, 4, 1092-1098.	23.7	104
12	A systematic review of the human health and social well-being outcomes of green infrastructure for stormwater and flood management. Journal of Environmental Management, 2019, 246, 868-880.	7.8	99
13	Global development and the future of the protected area strategy. Biological Conservation, 2011, 144, 383-392.	4.1	97
14	Open Space Loss and Land Inequality in United States' Cities, 1990-2000. PLoS ONE, 2010, 5, e9509.	2.5	70
15	Conservation priorities to protect vertebrate endemics from global urban expansion. Biological Conservation, 2018, 224, 290-299.	4.1	56
16	Two Challenges for U.S. Irrigation Due to Climate Change: Increasing Irrigated Area in Wet States and Increasing Irrigation Rates in Dry States. PLoS ONE, 2013, 8, e65589.	2.5	50
17	The tree cover and temperature disparity in US urbanized areas: Quantifying the association with income across 5,723 communities. PLoS ONE, 2021, 16, e0249715.	2.5	47
18	Conservation for Cities. , 2015, , .		46

#	ARTICLE	IF	CITATIONS
19	Mainstreaming investments in watershed services to enhance water security: Barriers and opportunities. <i>Environmental Science and Policy</i> , 2017, 75, 19-27.	4.9	43
20	Where the people are: Current trends and future potential targeted investments in urban trees for PM10 and temperature mitigation in 27 U.S. Cities. <i>Landscape and Urban Planning</i> , 2018, 177, 227-240.	7.5	41
21	The green soul of the concrete jungle: the urban century, the urban psychological penalty, and the role of nature. <i>Sustainable Earth</i> , 2018, 1, .	2.3	39
22	Nature futures for the urban century: Integrating multiple values into urban management. <i>Environmental Science and Policy</i> , 2022, 131, 46-56.	4.9	31
23	The Value of US Urban Tree Cover for Reducing Heat-Related Health Impacts and Electricity Consumption. <i>Ecosystems</i> , 2020, 23, 137-150.	3.4	30
24	The effect of logging on vegetation composition in Western Massachusetts. <i>Forest Ecology and Management</i> , 2008, 255, 4021-4031.	3.2	27
25	The promise and pitfalls of systematic conservation planning. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2009, 106, 15101-15102.	7.1	20
26	Energy, Water and Fish: Biodiversity Impacts of Energy-Sector Water Demand in the United States Depend on Efficiency and Policy Measures. <i>PLoS ONE</i> , 2012, 7, e50219.	2.5	19
27	The effectiveness of conservation interventions to overcome the urban "environmental paradox. <i>Annals of the New York Academy of Sciences</i> , 2015, 1355, 1-14.	3.8	7
28	Assessing the influence of urban greenness and green stormwater infrastructure on hydrology from satellite remote sensing. <i>Science of the Total Environment</i> , 2022, 817, 152723.	8.0	7
29	Did land protection in Silicon Valley reduce the housing stock?. <i>Biological Conservation</i> , 2010, 143, 1087-1093.	4.1	5
30	The Choice. , 2021, , 109-122.		0