

Daniel L Childers

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

102
papers

6,613
citations

41
h-index

80
g-index

105
ext. papers

7,236
ext. citations

3.7
avg, IF

5.48
L-index

#	Paper	IF	Citations
102	The Identification, Conservation, and Management of Estuarine and Marine Nurseries for Fish and Invertebrates. <i>BioScience</i> , 2001 , 51, 633	5.7	1556
101	An integrated conceptual framework for long-term social-ecological research. <i>Frontiers in Ecology and the Environment</i> , 2011 , 9, 351-357	5.5	386
100	Sustainability Challenges of Phosphorus and Food: Solutions from Closing the Human Phosphorus Cycle. <i>BioScience</i> , 2011 , 61, 117-124	5.7	333
99	Linking Ecology and Economics for Ecosystem Management. <i>BioScience</i> , 2006 , 56, 121	5.7	256
98	Phosphorus Biogeochemistry and the Impact of Phosphorus Enrichment: Why Is the Everglades so Unique?. <i>Ecosystems</i> , 2001 , 4, 603-624	3.9	225
97	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	3.6	153
96	Ecological science and transformation to the sustainable city. <i>Cities</i> , 2013 , 32, S10-S20	5.6	149
95	Advancing urban sustainability theory and action: Challenges and opportunities. <i>Landscape and Urban Planning</i> , 2014 , 125, 320-328	7.7	145
94	Relating precipitation and water management to nutrient concentrations in the oligotrophic upside-down estuaries of the Florida Everglades. <i>Limnology and Oceanography</i> , 2006 , 51, 602-616	4.8	130
93	Evolution and future of urban ecological science: ecology in, of, and for the city. <i>Ecosystem Health and Sustainability</i> , 2016 , 2, e01229	3.7	125
92	Periphyton responses to eutrophication in the Florida Everglades: Cross-system patterns of structural and compositional change. <i>Limnology and Oceanography</i> , 2006 , 51, 617-630	4.8	115
91	The New Global Urban Realm: Complex, Connected, Diffuse, and Diverse Social-Ecological Systems. <i>Sustainability</i> , 2015 , 7, 5211-5240	3.6	106
90	Quantitative and Qualitative Aspects of Dissolved Organic Carbon Leached from Senescent Plants in an Oligotrophic Wetland. <i>Biogeochemistry</i> , 2006 , 78, 285-314	3.8	106
89	Temporally dependent C, N, and P dynamics associated with the decay of <i>Rhizophora mangle</i> L. leaf litter in oligotrophic mangrove wetlands of the Southern Everglades. <i>Aquatic Botany</i> , 2003 , 75, 199-215	1.8	105
88	Spatial and temporal patterns of aboveground net primary productivity (ANPP) along two freshwater-estuarine transects in the Florida Coastal Everglades. <i>Hydrobiologia</i> , 2006 , 569, 459-474	2.4	100
87	Urban phosphorus sustainability: Systemically incorporating social, ecological, and technological factors into phosphorus flow analysis. <i>Environmental Science and Policy</i> , 2015 , 47, 1-11	6.2	97
86	Decadal change in vegetation and soil phosphorus pattern across the Everglades landscape. <i>Journal of Environmental Quality</i> , 2003 , 32, 344-62	3.4	96

85	Cascading ecological effects of low-level phosphorus enrichment in the Florida everglades. <i>Journal of Environmental Quality</i> , 2005 , 34, 717-23	3.4	91
84	Maintaining tree islands in the Florida Everglades: nutrient redistribution is the key. <i>Frontiers in Ecology and the Environment</i> , 2005 , 3, 370-376	5.5	89
83	A conceptual model of ecological interactions in the mangrove estuaries of the Florida Everglades. <i>Wetlands</i> , 2005 , 25, 832-842	1.7	86
82	Phosphorus cycling and partitioning in an oligotrophic Everglades wetland ecosystem: a radioisotope tracing study. <i>Freshwater Biology</i> , 2003 , 48, 1993-2008	3.1	77
81	Controls on fish distribution and abundance in temporary wetlands. <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2002 , 59, 1441-1450	2.4	72
80	Importance of Storm Events in Controlling Ecosystem Structure and Function in a Florida Gulf Coast Estuary. <i>Journal of Coastal Research</i> , 2004 , 204, 1198-1208	0.6	71
79	Seasonal plant water uptake patterns in the saline southeast Everglades ecotone. <i>Oecologia</i> , 2007 , 152, 607-16	2.9	64
78	Factors affecting spatial and temporal variability in material exchange between the Southern Everglades wetlands and Florida Bay (USA). <i>Estuarine, Coastal and Shelf Science</i> , 2003 , 57, 757-781	2.9	59
77	Stormwater Infrastructure Controls Runoff and Dissolved Material Export from Arid Urban Watersheds. <i>Ecosystems</i> , 2015 , 18, 62-75	3.9	58
76	The Role of the Everglades Mangrove Ecotone Region (EMER) in Regulating Nutrient Cycling and Wetland Productivity in South Florida. <i>Critical Reviews in Environmental Science and Technology</i> , 2011 , 41, 633-669	11.1	55
75	Responses of sawgrass and spikerush to variation in hydrologic drivers and salinity in Southern Everglades marshes. <i>Hydrobiologia</i> , 2006 , 569, 273-292	2.4	54
74	Subtidal advective water flux as a potentially important nutrient input to southeastern U.S.A. Saltmarsh estuaries. <i>Estuarine, Coastal and Shelf Science</i> , 1989 , 28, 417-431	2.9	53
73	Sources and transport of nitrogen in arid urban watersheds. <i>Environmental Science & Technology</i> , 2014 , 48, 6211-9	10.3	51
72	A synthesis of long-term research by the Florida Coastal Everglades LTER Program. <i>Hydrobiologia</i> , 2006 , 569, 531-544	2.4	51
71	Quantifying aboveground biomass and estimating net aboveground primary production for wetland macrophytes using a non-destructive phenometric technique. <i>Aquatic Botany</i> , 1998 , 62, 115-133 ^{1.8}		50
70	The contribution of leaching to the rapid release of nutrients and carbon in the early decay of wetland vegetation. <i>Hydrobiologia</i> , 2006 , 569, 87-97	2.4	50
69	Landscape Conservation in a Forested Wetland Watershed. <i>BioScience</i> , 1990 , 40, 588-600	5.7	48
68	Moving Towards a New Urban Systems Science. <i>Ecosystems</i> , 2017 , 20, 38-43	3.9	46

67	Short-term changes in phosphorus storage in an oligotrophic Everglades wetland ecosystem receiving experimental nutrient enrichment. <i>Biogeochemistry</i> , 2002 , 59, 239-267	3.8	45
66	Phosphorus in Phoenix: a budget and spatial representation of phosphorus in an urban ecosystem 2012 , 22, 705-21		44
65	A Conceptual Framework to Develop Long-Term Ecological Research and Management Objectives in the Wider Caribbean Region. <i>BioScience</i> , 2004 , 54, 843	5.7	43
64	Ecological effects of low-level phosphorus additions on two plant communities in a neotropical freshwater wetland ecosystem. <i>Oecologia</i> , 2004 , 141, 672-86	2.9	43
63	Wetland-water column exchanges of carbon, nitrogen, and phosphorus in a southern Everglades dwarf mangrove. <i>Estuaries and Coasts</i> , 2001 , 24, 610		43
62	Decadal Change in Vegetation and Soil Phosphorus Pattern across the Everglades Landscape 2003 , 32, 344		43
61	Phosphorus budgets in Everglades wetland ecosystems: the effects of hydrology and nutrient enrichment. <i>Wetlands Ecology and Management</i> , 2007 , 15, 189-205	2.1	38
60	Heterogeneity of phosphorus distribution in a patterned landscape, the Florida Everglades. <i>Plant Ecology</i> , 2009 , 200, 83-90	1.7	37
59	Effects of hydrologic and water quality drivers on periphyton dynamics in the southern Everglades. <i>Hydrobiologia</i> , 2006 , 569, 223-235	2.4	37
58	Ecosystem structure, nutrient dynamics, and hydrologic relationships in tree islands of the southern Everglades, Florida, USA. <i>Forest Ecology and Management</i> , 2005 , 214, 11-27	3.9	35
57	Hydrologic measurements and implications for tree island formation within Everglades National Park. <i>Journal of Hydrology</i> , 2006 , 329, 606-619	6	35
56	Marsh-water column interactions in two Louisiana estuaries. I. Sediment dynamics. <i>Estuaries and Coasts</i> , 1990 , 13, 393		34
55	Marsh-water column interactions in two Louisiana estuaries. II. Nutrient dynamics. <i>Estuaries and Coasts</i> , 1990 , 13, 404		34
54	Studying, Teaching and Applying Sustainability Visions Using Systems Modeling. <i>Sustainability</i> , 2014 , 6, 4452-4469	3.6	33
53	Characteristics of surface-water flows in the ridge and slough landscape of Everglades National Park: implications for particulate transport. <i>Hydrobiologia</i> , 2006 , 569, 5-22	2.4	33
52	Controls on emergent macrophyte composition, abundance, and productivity in freshwater Everglades wetland communities. <i>Wetlands</i> , 1999 , 19, 262-275	1.7	33
51	A flow-through flume technique for quantifying nutrient and materials fluxes in microtidal estuaries. <i>Estuarine, Coastal and Shelf Science</i> , 1988 , 27, 483-494	2.9	30
50	Influence of agricultural upland habitat type on larval anuran assemblages in seasonally inundated wetlands. <i>Wetlands</i> , 2009 , 29, 294-301	1.7	29

49	Limits to adaptation to interacting global change risks among smallholder rice farmers in Northwest Costa Rica. <i>Global Environmental Change</i> , 2015 , 30, 101-112	10.1	28
48	Using soil profiles of seeds and molecular markers as proxies for sawgrass and wet prairie slough vegetation in Shark Slough, Everglades National Park. <i>Hydrobiologia</i> , 2006 , 569, 475-492	2.4	27
47	Urban Ecological Infrastructure: An inclusive concept for the non-built urban environment. <i>Elementa</i> , 2019 , 7,	3.6	27
46	Patterns of Soil Bacteria and Canopy Community Structure Related to Tropical Peatland Development. <i>Wetlands</i> , 2012 , 32, 769-782	1.7	26
45	A Dynamic Nutrient Budget of Subsystem Interactions in a Salt Marsh Estuary. <i>Estuarine, Coastal and Shelf Science</i> , 1993 , 36, 105-131	2.9	26
44	Sustainability assessment of water governance alternatives: the case of Guanacaste Costa Rica. <i>Sustainability Science</i> , 2016 , 11, 231-247	6.4	23
43	How the Second Law of Thermodynamics Has Informed Ecosystem Ecology through Its History. <i>BioScience</i> , 2016 , 66, 27-39	5.7	22
42	Drivers of Decadal-Scale Change in Southern Everglades Wetland Macrophyte Communities of the Coastal Ecotone. <i>Wetlands</i> , 2014 , 34, 81-90	1.7	22
41	Efficiency Through Proximity. <i>Journal of Industrial Ecology</i> , 2012 , 16, 914-927	7.2	21
40	Hydroperiod and seasonal effects on fish decomposition in an oligotrophic Everglades marsh. <i>Wetlands</i> , 2004 , 24, 529-537	1.7	21
39	Linking science and decision making to promote an ecology for the city: practices and opportunities. <i>Ecosystem Health and Sustainability</i> , 2016 , 2, e01239	3.7	20
38	Hydrological Conditions Control P Loading and Aquatic Metabolism in an Oligotrophic, Subtropical Estuary. <i>Estuaries and Coasts</i> , 2012 , 35, 292-307	2.8	19
37	Long-Term Ecological Research and Evolving Frameworks of Disturbance Ecology. <i>BioScience</i> , 2020 , 70, 141-156	5.7	18
36	Simulation of periphyton phosphorus dynamics in Everglades National Park. <i>Ecological Modelling</i> , 2000 , 134, 103-115	3	18
35	Litter decomposition promotes differential feedbacks in an oligotrophic southern Everglades wetland. <i>Plant Ecology</i> , 2009 , 200, 69-82	1.7	17
34	Twenty More Years of Marsh and Estuarine Flux Studies: Revisiting Nixon (1980) 2002 , 391-423		17
33	Assessment of Cumulative Impacts to Water Quality in a Forested Wetland Landscape. <i>Journal of Environmental Quality</i> , 1990 , 19, 455-464	3.4	17
32	Estimating Aboveground Net Primary Production in Grassland- and Herbaceous-Dominated Ecosystems 2007 , 27-48		17

31	An in situ mesocosm method for quantifying nitrogen cycling rates in oligotrophic wetlands using ^{15}N tracer techniques. <i>Wetlands</i> , 2008 , 28, 502-512	1.7	16
30	Aridland constructed treatment wetlands II: Plant mediation of surface hydrology enhances nitrogen removal. <i>Ecological Engineering</i> , 2016 , 97, 658-665	3.9	15
29	Soil microbial community composition is correlated to soil carbon processing along a boreal wetland formation gradient. <i>European Journal of Soil Biology</i> , 2017 , 82, 17-26	2.9	15
28	Relationships Between Hydrology and Soils Describe Vegetation Patterns in Seasonally Flooded Tree Islands of the Southern Everglades, Florida. <i>Plant and Soil</i> , 2006 , 279, 271-286	4.2	15
27	Seasonally varied controls of climate and phenophase on terrestrial carbon dynamics: modeling eco-climate system state using Dynamical Process Networks. <i>Landscape Ecology</i> , 2016 , 31, 165-180	4.3	14
26	Importance of water source in controlling leaf leaching losses in a dwarf red mangrove (<i>Rhizophora mangle</i> L.) wetland. <i>Estuarine, Coastal and Shelf Science</i> , 2007 , 71, 194-201	2.9	14
25	Demystifying governance and its role for transitions in urban social-ecological systems. <i>Ecosphere</i> , 2016 , 7, e01564	3.1	14
24	Aridland constructed treatment wetlands I: Macrophyte productivity, community composition, and nitrogen uptake. <i>Ecological Engineering</i> , 2016 , 97, 649-657	3.9	13
23	Viewing the Urban Socio-ecological System Through a Sustainability Lens: Lessons and Prospects from the Central Arizona-Phoenix LTER Programme 2013 , 217-246		13
22	Controls on herbaceous litter decomposition in the estuarine ecotones of the Florida Everglades. <i>Estuaries and Coasts</i> , 2006 , 29, 257-268	2.8	13
21	Biogeochemical Contributions of Tree Islands to Everglades Wetland Landscape Nitrogen Cycling During Seasonal Inundation. <i>Ecosystems</i> , 2010 , 13, 75-89	3.9	12
20	Water quality implications of hydrologic restoration alternatives in the Florida Everglades, United States. <i>Restoration Ecology</i> , 2017 , 25, S48	3.1	11
19	Factors Controlling Surface Water Flow in a Low-gradient Subtropical Wetland. <i>Wetlands</i> , 2010 , 30, 275-286	2.9	11
18	Long-Term Ecological Research and Network-Level Science. <i>Eos</i> , 2014 , 95, 293-294	1.5	10
17	A simulation of saltmarsh water column dynamics. <i>Ecological Modelling</i> , 1987 , 36, 211-238	3	9
16	Impacts of hurricanes on surface water flow within a wetland. <i>Journal of Hydrology</i> , 2010 , 392, 164-173	6	8
15	Confirming a plant-mediated Biological Tide in an aridland constructed treatment wetland. <i>Ecosphere</i> , 2017 , 8, e01756	3.1	7
14	Compositional aspects of herbaceous litter decomposition in the freshwater marshes of the Florida Everglades. <i>Plant and Soil</i> , 2018 , 423, 87-98	4.2	7

13	Interaction of hydrology and nutrients in controlling ecosystem function in oligotrophic coastal environments of South Florida. <i>Hydrobiologia</i> , 2006 , 569, 1-2	2.4	6
12	The dilution and loss of wetland function associated with conversion to open water. <i>Wetlands Ecology and Management</i> , 1991 , 1, 163-171	2.1	5
11	Smallholder Adaptation to Drought in Costa Rica's Crony Capitalist Rice Economy. <i>Development and Change</i> , 2018 , 49, 1392-1421	2.9	4
10	A social-ecological-technological systems framework for urban ecosystem services. <i>One Earth</i> , 2022 , 5, 505-518	8.1	4
9	Potential N processing by southern Everglades freshwater marshes: Are Everglades marshes passive conduits for nitrogen?. <i>Estuarine, Coastal and Shelf Science</i> , 2012 , 96, 60-68	2.9	3
8	The effects of acidification on life-history traits of the freshwater clam <i>Musculium partumeium</i> (Say, 1822) (Bivalvia: Pisidiidae). <i>Canadian Journal of Zoology</i> , 1987 , 65, 113-121	1.5	3
7	High Potential Nitrate Removal by Urban Accidental Wetlands in a Desert City: Limitations and Spatiotemporal Patterns. <i>Ecosystems</i> , 2020 , 23, 1227-1242	3.9	2
6	Examining Seasonally Pulsed Detrital Transport in the Coastal Everglades Using a Sediment Tracing Technique. <i>Wetlands</i> , 2014 , 34, 123-133	1.7	1
5	A Decade of Ecosystem-Scale Research at an Aridland Constructed Treatment Wetland. <i>Frontiers in Environmental Science</i> , 2020 , 8,	4.8	1
4	Long-Term Trends in Nitrogen Removal by an Aridland Constructed Treatment Wetland. <i>Wetlands</i> , 2020 , 40, 2071-2083	1.7	1
3	A Thermodynamic Analysis of Soil Ecosystem Development in Northern Wetlands. <i>Wetlands</i> , 2016 , 36, 1143-1153	1.7	0
2	Response from Childers: Phosphorous Challenges beyond the Food System. <i>BioScience</i> , 2011 , 61, 582-583.7		
1	Plant transpiration in constructed treatment wetland: Effects on water budget and management consequences. <i>Journal of Environmental Management</i> , 2021 , 295, 113132	7.9	