

# Lauren E Mcphillips

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/4784869/publications.pdf>

Version: 2024-02-01

23  
papers

1,176  
citations

394421

19  
h-index

642732

23  
g-index

23  
all docs

23  
docs citations

23  
times ranked

1534  
citing authors

#	ARTICLE	IF	CITATIONS
1	Defining Extreme Events: A Cross-€Disciplinary Review. <i>Earth's Future</i> , 2018, 6, 441-455.	6.3	167
2	Pluvial flood risk and opportunities for resilience. <i>Wiley Interdisciplinary Reviews: Water</i> , 2018, 5, e1302.	6.5	121
3	Hydrogeomorphology of the hyporheic zone: Stream solute and fine particle interactions with a dynamic streambed. <i>Journal of Geophysical Research</i> , 2012, 117, .	3.3	99
4	Best Management Practices for Diffuse Nutrient Pollution: Wicked Problems Across Urban and Agricultural Watersheds. <i>Environmental Science &amp; Technology</i> , 2020, 54, 9159-9174.	10.0	93
5	A social-ecological-technological systems framework for urban ecosystem services. <i>One Earth</i> , 2022, 5, 505-518.	6.8	77
6	Temporal Evolution of Green Stormwater Infrastructure Strategies in Three US Cities. <i>Frontiers in Built Environment</i> , 2018, 4, .	2.3	72
7	Infrastructures as Socio-Eco-Technical Systems: Five Considerations for Interdisciplinary Dialogue. <i>Journal of Infrastructure Systems</i> , 2017, 23, .	1.8	67
8	Hydrologic conditions drive denitrification and greenhouse gas emissions in stormwater detention basins. <i>Ecological Engineering</i> , 2015, 85, 67-75.	3.6	59
9	The Role of Denitrification in Stormwater Detention Basin Treatment of Nitrogen. <i>Environmental Science &amp; Technology</i> , 2017, 51, 7928-7935.	10.0	52
10	Thresholds of flow-€induced bed disturbances and their effects on stream metabolism in an agricultural river. <i>Water Resources Research</i> , 2012, 48, .	4.2	48
11	Developing knowledge systems for urban resilience to cloudburst rain events. <i>Environmental Science and Policy</i> , 2019, 99, 150-159.	4.9	48
12	Spatial analysis of landscape and sociodemographic factors associated with green stormwater infrastructure distribution in Baltimore, Maryland and Portland, Oregon. <i>Science of the Total Environment</i> , 2019, 664, 461-473.	8.0	36
13	Nutrient Leaching and Greenhouse Gas Emissions in Grassed Detention and Bioretention Stormwater Basins. <i>Journal of Sustainable Water in the Built Environment</i> , 2018, 4, .	1.6	33
14	Nutrient Cycling in Grassed Roadside Ditches and Lawns in a Suburban Watershed. <i>Journal of Environmental Quality</i> , 2016, 45, 1901-1909.	2.0	31
15	Assessing dissolved methane patterns in central New York groundwater. <i>Journal of Hydrology: Regional Studies</i> , 2014, 1, 57-73.	2.4	29
16	What is the role of green stormwater infrastructure in managing extreme precipitation events?. <i>Sustainable and Resilient Infrastructure</i> , 2021, 6, 133-142.	2.8	26
17	Hydrologic and Biogeochemical Drivers of Riparian Denitrification in an Agricultural Watershed. <i>Water, Air, and Soil Pollution</i> , 2015, 226, 1.	2.4	24
18	Urbanization in Arid Central Arizona Watersheds Results in Decreased Stream Flashiness. <i>Water Resources Research</i> , 2019, 55, 9436-9453.	4.2	24

#	ARTICLE	IF	CITATIONS
19	Field flume reveals aquatic vegetation's role in sediment and particulate phosphorus transport in a shallow aquatic ecosystem. <i>Geomorphology</i> , 2011, 126, 297-313.	2.6	20
20	Exploring the application of topographic indices in urban areas as indicators of pluvial flooding locations. <i>Hydrological Processes</i> , 2020, 34, 780-794.	2.6	19
21	Methane Emission in a Specific Riparian-Zone Sediment Decreased with Bioelectrochemical Manipulation and Corresponded to the Microbial Community Dynamics. <i>Frontiers in Microbiology</i> , 2015, 6, 1523.	3.5	12
22	Minimizing environmental impacts of solar farms: a review of current science on landscape hydrology and guidance on stormwater management. <i>Environmental Research: Infrastructure and Sustainability</i> , 2022, 2, 032002.	2.3	11
23	A Call to Record Stormwater Control Functions and to Share Network Data. <i>Journal of Sustainable Water in the Built Environment</i> , 2022, 8, .	1.6	8