

# Sarah S Roley

## List of Publications by Citations

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**Version:** 2024-04-25

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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.

23  
papers

637  
citations

14  
h-index

25  
g-index

25  
ext. papers

796  
ext. citations

3.6  
avg, IF

4.11  
L-index

#	Paper	IF	Citations
23	Floodplain restoration enhances denitrification and reach-scale nitrogen removal in an agricultural stream <b>2012</b> , 22, 281-97		101
22	Agricultural land use alters the seasonality and magnitude of stream metabolism. <i>Limnology and Oceanography</i> , <b>2013</b> , 58, 1513-1529	4.8	62
21	The Influence of Two-Stage Ditches with Constructed Floodplains on Water Column Nutrients and Sediments in Agricultural Streams. <i>Journal of the American Water Resources Association</i> , <b>2015</b> , 51, 941-955 <sup>2,1</sup>		59
20	Hydrologic connectivity increases denitrification in the hyporheic zone and restored floodplains of an agricultural stream. <i>Journal of Geophysical Research</i> , <b>2012</b> , 117, n/a-n/a		59
19	The influence of floodplain restoration on whole-stream metabolism in an agricultural stream: insights from a 5-year continuous data set. <i>Freshwater Science</i> , <b>2014</b> , 33, 1043-1059	2	52
18	Associative nitrogen fixation (ANF) in switchgrass ( <i>Panicum virgatum</i> ) across a nitrogen input gradient. <i>PLoS ONE</i> , <b>2018</b> , 13, e0197320	3.7	47
17	Two-Stage Ditch Floodplains Enhance N-Removal Capacity and Reduce Turbidity and Dissolved P in Agricultural Streams. <i>Journal of the American Water Resources Association</i> , <b>2015</b> , 51, 923-940	2.1	46
16	Soil depth and crop determinants of bacterial communities under ten biofuel cropping systems. <i>Soil Biology and Biochemistry</i> , <b>2017</b> , 112, 140-152	7.5	35
15	How cost-effective are cover crops, wetlands, and two-stage ditches for nitrogen removal in the Mississippi River Basin?. <i>Water Resources and Economics</i> , <b>2016</b> , 15, 43-56	2	33
14	Isotopic evidence for episodic nitrogen fixation in switchgrass ( <i>Panicum virgatum</i> L.). <i>Soil Biology and Biochemistry</i> , <b>2019</b> , 129, 90-98	7.5	33
13	Developmental Performance of the Milfoil Weevil, <i>Euhrychiopsis lecontei</i> (Coleoptera: Curculionidae), on Northern Watermilfoil, Eurasian Watermilfoil, and Hybrid (Northern Eurasian) Watermilfoil. <i>Environmental Entomology</i> , <b>2006</b> , 35, 121-126	2.1	19
12	Biomass Production a Stronger Driver of Cellulosic Ethanol Yield than Biomass Quality. <i>Agronomy Journal</i> , <b>2017</b> , 109, 1911-1922	2.2	18
11	Decomposition of maize leaves and grasses in restored agricultural streams. <i>Freshwater Science</i> , <b>2012</b> , 31, 848-864	2	16
10	Predicting Eurasian watermilfoil invasions in Minnesota. <i>Lake and Reservoir Management</i> , <b>2008</b> , 24, 361-369		14
9	Long-term excess nitrogen fertilizer increases sensitivity of soil microbial community to seasonal change revealed by ecological network and metagenome analyses. <i>Soil Biology and Biochemistry</i> , <b>2021</b> , 160, 108349	7.5	14
8	The influence of an invasive plant on denitrification in an urban wetland. <i>Freshwater Biology</i> , <b>2018</b> , 63, 353-365	3.1	12
7	Intraspecific Variability in Root Traits and Edaphic Conditions Influence Soil Microbiomes Across 12 Switchgrass Cultivars. <i>Phytobiomes Journal</i> , <b>2021</b> , 5, 108-120	4.8	6

6	Pore water physicochemical constraints on the endangered clubshell mussel ( <i>Pleurobema clava</i> ). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , <b>2016</b> , 73, 1712-1722	2.4	4
5	Nitrogen Fixation and Resorption Efficiency Differences Among Twelve Upland and Lowland Switchgrass Cultivars. <i>Phytobiomes Journal</i> , <b>2021</b> , 5, 97-107	4.8	4
4	Organic amendments change soil organic C structure and microbial community but not total organic matter on sub-decadal scales. <i>Soil Biology and Biochemistry</i> , <b>2020</b> , 150, 107986	7.5	2
3	Watershed-scale Land Use Change Increases Ecosystem Metabolism in an Agricultural Stream. <i>Ecosystems</i> , 1	3.9	1
2	Diazotrophic Nitrogen Fixation in the Rhizosphere and Endosphere. <i>Rhizosphere Biology</i> , <b>2021</b> , 93-108	0.8	0
1	Quantifying and correcting for pre-assay CO <sub>2</sub> loss in short-term carbon mineralization assays. <i>Soil</i> , <b>2021</b> , 7, 47-52	5.8	