

Sarah S Roley

List of Publications by Year in Descending Order

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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	Diazotrophic Nitrogen Fixation in the Rhizosphere and Endosphere. <i>Rhizosphere Biology</i> , 2021 , 93-108	0.8	0
22	Quantifying and correcting for pre-assay CO ₂ loss in short-term carbon mineralization assays. <i>Soil</i> , 2021 , 7, 47-52	5.8	
21	Nitrogen Fixation and Resorption Efficiency Differences Among Twelve Upland and Lowland Switchgrass Cultivars. <i>Phytobiomes Journal</i> , 2021 , 5, 97-107	4.8	4
20	Intraspecific Variability in Root Traits and Edaphic Conditions Influence Soil Microbiomes Across 12 Switchgrass Cultivars. <i>Phytobiomes Journal</i> , 2021 , 5, 108-120	4.8	6
19	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> , 2021 , 160, 108349	7.5	14
18	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> , 2020 , 150, 107986	7.5	2
17	Isotopic evidence for episodic nitrogen fixation in switchgrass (<i>Panicum virgatum</i> L.). <i>Soil Biology and Biochemistry</i> , 2019 , 129, 90-98	7.5	33
16	The influence of an invasive plant on denitrification in an urban wetland. <i>Freshwater Biology</i> , 2018 , 63, 353-365	3.1	12
15	Associative nitrogen fixation (ANF) in switchgrass (<i>Panicum virgatum</i>) across a nitrogen input gradient. <i>PLoS ONE</i> , 2018 , 13, e0197320	3.7	47
14	Soil depth and crop determinants of bacterial communities under ten biofuel cropping systems. <i>Soil Biology and Biochemistry</i> , 2017 , 112, 140-152	7.5	35
13	Biomass Production a Stronger Driver of Cellulosic Ethanol Yield than Biomass Quality. <i>Agronomy Journal</i> , 2017 , 109, 1911-1922	2.2	18
12	Pore water physicochemical constraints on the endangered clubshell mussel (<i>Pleurobema clava</i>). <i>Canadian Journal of Fisheries and Aquatic Sciences</i> , 2016 , 73, 1712-1722	2.4	4
11	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> , 2016 , 15, 43-56	2	33
10	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> , 2015 , 51, 923-940	2.1	46
9	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> , 2015 , 51, 941-955 ¹		59
8	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> , 2014 , 33, 1043-1059	2	52
7	Agricultural land use alters the seasonality and magnitude of stream metabolism. <i>Limnology and Oceanography</i> , 2013 , 58, 1513-1529	4.8	62

6	Decomposition of maize leaves and grasses in restored agricultural streams. <i>Freshwater Science</i> , 2012 , 31, 848-864	2	16
5	Hydrologic connectivity increases denitrification in the hyporheic zone and restored floodplains of an agricultural stream. <i>Journal of Geophysical Research</i> , 2012 , 117, n/a-n/a		59
4	Floodplain restoration enhances denitrification and reach-scale nitrogen removal in an agricultural stream 2012 , 22, 281-97		101
3	Predicting Eurasian watermilfoil invasions in Minnesota. <i>Lake and Reservoir Management</i> , 2008 , 24, 361-369	1.9	14
2	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> , 2006 , 35, 121-126	2.1	19
1	Watershed-scale Land Use Change Increases Ecosystem Metabolism in an Agricultural Stream. <i>Ecosystems</i> , 1	3.9	1