Sarah S Roley

List of Publications by Year
in descending order

25 papers	932 citations	566801 15 h-index	642321 23 g-index
25 all docs	25 docs citations	25 times ranked	1091 citing authors

#	Article	IF	Citations
1	Floodplain restoration enhances denitrification and reachâ€scale nitrogen removal in an agricultural stream. Ecological Applications, 2012, 22, 281-297.	1.8	125
2	Long-term excess nitrogen fertilizer increases sensitivity of soil microbial community to seasonal change revealed by ecological network and metagenome analyses. Soil Biology and Biochemistry, 2021, 160, 108349.	4.2	77
3	Agricultural land use alters the seasonality and magnitude of stream metabolism. Limnology and Oceanography, 2013, 58, 1513-1529.	1.6	74
4	Hydrologic connectivity increases denitrification in the hyporheic zone and restored floodplains of an agricultural stream. Journal of Geophysical Research, 2012, 117, .	3.3	73
5	The Influence of Twoâ€Stage Ditches with Constructed Floodplains on Water Column Nutrients and Sediments in Agricultural Streams. Journal of the American Water Resources Association, 2015, 51, 941-955.	1.0	71
6	Associative nitrogen fixation (ANF) in switchgrass (Panicum virgatum) across a nitrogen input gradient. PLoS ONE, 2018, 13, e0197320.	1.1	71
7	Twoâ€Stage Ditch Floodplains Enhance Nâ€Removal Capacity and Reduce Turbidity and Dissolved P in Agricultural Streams. Journal of the American Water Resources Association, 2015, 51, 923-940.	1.0	62
8	Soil depth and crop determinants of bacterial communities under ten biofuel cropping systems. Soil Biology and Biochemistry, 2017, 112, 140-152.	4.2	61
9	The influence of floodplain restoration on whole-stream metabolism in an agricultural stream: insights from a 5-year continuous data set. Freshwater Science, 2014, 33, 1043-1059.	0.9	60
10	Isotopic evidence for episodic nitrogen fixation in switchgrass (Panicum virgatum L.). Soil Biology and Biochemistry, 2019, 129, 90-98.	4.2	59
11	How cost-effective are cover crops, wetlands, and two-stage ditches for nitrogen removal in the Mississippi River Basin?. Water Resources and Economics, 2016, 15, 43-56.	0.9	51
12	Biomass Production a Stronger Driver of Cellulosic Ethanol Yield than Biomass Quality. Agronomy Journal, 2017, 109, 1911-1922.	0.9	25
13	Developmental Performance of the Milfoil Weevil,Euhrychiopsis lecontei(Coleoptera:) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf Watermilfoil. Environmental Entomology, 2006, 35, 121-126.	0.7	22
14	Decomposition of maize leaves and grasses in restored agricultural streams. Freshwater Science, 2012, 31, 848-864.	0.9	20
15	Predicting Eurasian watermilfoil invasions in Minnesota. Lake and Reservoir Management, 2008, 24, 361-369.	0.4	18
16	Intraspecific Variability in Root Traits and Edaphic Conditions Influence Soil Microbiomes Across 12 Switchgrass Cultivars. Phytobiomes Journal, 2021, 5, 108-120.	1.4	18
17	The influence of an invasive plant on denitrification in an urban wetland. Freshwater Biology, 2018, 63, 353-365.	1.2	13
18	Nitrogen Fixation and Resorption Efficiency Differences Among Twelve Upland and Lowland Switchgrass Cultivars. Phytobiomes Journal, 2021, 5, 97-107.	1.4	12

#	Article	IF	Citations
19	Organic amendments change soil organic C structure and microbial community but not total organic matter on sub-decadal scales. Soil Biology and Biochemistry, 2020, 150, 107986.	4.2	7
20	Pore water physicochemical constraints on the endangered clubshell mussel (Pleurobema clava). Canadian Journal of Fisheries and Aquatic Sciences, 2016, 73, 1712-1722.	0.7	6
21	Watershed-scale Land Use Change Increases Ecosystem Metabolism in an Agricultural Stream. Ecosystems, 0, , 1.	1.6	2
22	Diazotrophic Nitrogen Fixation in the Rhizosphere and Endosphere. Rhizosphere Biology, 2021, , 93-108.	0.4	2
23	Nitrogen fixation rates in forested mountain streams: Are sediment microbes more important than previously thought?. Freshwater Biology, 2022, 67, 1395-1410.	1.2	2
24	Quantifying and correcting for pre-assay CO₂ loss in short-term carbon mineralization assays. Soil, 2021, 7, 47-52.	2.2	1
25	Natural History Informing Research: A Review of The Freshwater Mussels of Ohio Watters G. Thomas , Michael A. Hoggarth , David H. Stansbery . 2009. The Freshwater Mussels of Ohio. The University of Ohio Press. Columbus. ISBN: 978-0-8142-1105-2.. American Midland Naturalist, 2010, 164, 348-348.	0.2	0