Richard A Mclaughlin

List of Publications by Year
in descending order

32	564	623188 14	642321 23
papers	citations	h-index	g-index

32	32	32	514
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	The effects of compost incorporation on soil physical properties in urban soils â€“ A concise review. Journal of Environmental Management, 2020, 261, 110209.	3.8	133
2	Soil Factors Influencing Suspended Sediment Flocculation by Polyacrylamide. Soil Science Society of America Journal, 2007, 71, 537-544.	1.2	47
3	Acute toxicity of polyacrylamide flocculants to early life stages of freshwater mussels. Environmental Toxicology and Chemistry, 2017, 36, 2715-2721.	2.2	32
4	A multi-year study of tillage and amendment effects on compacted soils. Journal of Environmental Management, 2017, 203, 533-541.	3.8	30
5	Optimizing recoveries of two chlorotriazine herbicide metabolites and 11 pesticides from aqueous samples using solid-phase extraction and gas chromatographyâ€“mass spectrometry. Journal of Chromatography A, 1997, 790, 161-167.	1.8	26
6	Hydraulic Characteristics of Depositional Seals as Affected by Exchangeable Cations, Clay Mineralogy, and Polyacrylamide. Soil Science Society of America Journal, 2009, 73, 910-918.	1.2	24
7	Turbidimetric Determination of Anionic Polyacrylamide in Low Carbon Soil Extracts. Journal of Environmental Quality, 2013, 42, 1902-1907.	1.0	21
8	Check dam and polyacrylamide performance under simulated stormwater runoff. Journal of Environmental Management, 2013, 129, 593-598.	3.8	20
9	EVALUATION OF EROSION CONTROL PRODUCTS WITH AND WITHOUT ADDED POLYACRYLAMIDE. Journal of the American Water Resources Association, 2006, 42, 675-684.	1.0	19
10	SEDIMENT CAPTURE EFFECTIVENESS OF VARIOUS BAFFLE TYPES IN A SEDIMENT RETENTION POND. Transactions of the American Society of Agricultural Engineers, 2005, 48, 1795-1802.	0.9	17
11	Simple Polyacrylamide Dosing Systems for Turbidity Reduction in Stilling Basins. Transactions of the ASABE, 2008, 51, 1653-1662.	1.1	17
12	Depositional seals in polyacrylamide-amended soils of varying clay mineralogy and texture. Journal of Soils and Sediments, 2010, 10, 494-504.	1.5	17
13	Reducing roadside runoff: Tillage and compost improve stormwater mitigation in urban soils. Journal of Environmental Management, 2021, 280, 111732.	3.8	17
14	Hydrologic and water quality performance of two aging and unmaintained dry detention basins receiving highway stormwater runoff. Journal of Environmental Management, 2020, 255, 109853.	3.8	16
15	Sediment Trapping by Five Different Sediment Detention Devices on Construction Sites. Transactions of the ASABE, 2008, 51, 1613-1621.	1.1	15
16	Transport of dissolved polyacrylamide through a clay loam soil. Geoderma, 2015, 243-244, 108-114.	2.3	13
17	Nonpoint Sources. Water Environment Research, 1999, 71, 1054-1069.	1.3	12
18	Simple systems for treating pumped, turbid water with flocculants and a geotextile dewatering bag. Journal of Environmental Management, 2016, 182, 208-213.	3.8	12

#	Article	IF	Citations
19	Comparison of Methods to Remediate Compacted Soils for Infiltration and Vegetative Establishment. Open Journal of Soil Science, 2013, 03, 225-234.	0.3	12
20	Nonpoint sources. Water Environment Research, 1997, 69, 844-860.	1.3	11
21	Nonpoint sources. Water Environment Research, 1998, 70, 895-912.	1.3	10
22	Granular and Dissolved Polyacrylamide Effects on Erosion and Runoff under Simulated Rainfall. Journal of Environmental Quality, 2014, 43, 1972-1979.	1.0	8
23	Water Quality and Hydrologic Performance of Two Dry Detention Basins Receiving Highway Stormwater Runoff in the Piedmont Region of North Carolina. Journal of Sustainable Water in the Built Environment, 2020, 6, 05020002.	0.9	6
24	Flocculated sediments can reduce the size of sediment basin at construction sites. Journal of Environmental Management, 2016, 166, 450-456.	3.8	5
25	Insights from using in-situ ultravioletâ€“visible spectroscopy to assess nitrogen treatment and subsurface dynamics in a regenerative stormwater conveyance (RSC) system. Journal of Environmental Management, 2019, 252, 109656.	3.8	5
26	Polyacrylamide and Chitosan Biopolymer for Flocculation and Turbidity Reduction in Soil Suspensions. Journal of Polymers and the Environment, 2020, 28, 1335-1343.	2.4	5
27	Comparison of Cornell sprinkle infiltrometer and doubleâ€ring infiltrometer methods for measuring steady infiltration rate. Soil Science Society of America Journal, 2021, 85, 1977.	1.2	3
28	Characterizing Compost Rate Effects on Stormwater Runoff and Vegetation Establishment. Water (Switzerland), 2022, 14, 696.	1.2	3
29	Hydrodynamic Assessment of Various Types of Baffles in a Sediment Detention Pond. , 0, , .		2
30	Passive Treatment to Meet the EPA Turbidity Limit. , 2010, , .		2
31	Effects of Turbidity, Sediment, and Polyacrylamide on Native Freshwater Mussels. Journal of the American Water Resources Association, 2018, 54, 631-643.	1.0	2
32	Chemical Treatment to Reduce Turbidity in Pumped Construction Site Water. Journal of Environmental Engineering, ASCE, 2018, 144, 04018120.	0.7	2