

Joshua M Mcgrath

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.

36
papers

883
citations

17
h-index

29
g-index

38
ext. papers

1,020
ext. citations

2.9
avg, IF

3.9
L-index

#	Paper	IF	Citations
36	LINKING SOURCES, TRANSFORMATION, AND LOSS OF PHOSPHORUS IN THE SOIL-WATER CONTINUUM IN A COASTAL ENVIRONMENT 2022 , 183-192		
35	Evaluating the effectiveness of the phosphorus sorption index for estimating maximum phosphorus sorption capacity. <i>Soil Science Society of America Journal</i> , 2020 , 84, 994-1005	2.5	2
34	Improved soil biological health increases corn grain yield in N fertilized systems across the Corn Belt. <i>Scientific Reports</i> , 2020 , 10, 3917	4.9	17
33	FRST: A national soil testing database to improve fertility recommendations. <i>Agricultural and Environmental Letters</i> , 2020 , 5, e20008	1.5	4
32	A method for predicting participation in a performance-based water quality trading program. <i>Ecological Economics</i> , 2020 , 177, 106762	5.6	2
31	Strengths and Limitations of Nitrogen Rate Recommendations for Corn and Opportunities for Improvement. <i>Agronomy Journal</i> , 2018 , 110, 1-37	2.2	137
30	Estimating Legacy Soil Phosphorus Impacts on Phosphorus Loss in the Chesapeake Bay Watershed. <i>Journal of Environmental Quality</i> , 2018 , 47, 480-486	3.4	15
29	Assessing Coastal Plain Risk Indices for Subsurface Phosphorus Loss. <i>Journal of Environmental Quality</i> , 2017 , 46, 1270-1286	3.4	7
28	Use of Annual Phosphorus Loss Estimator (APLE) Model to Evaluate a Phosphorus Index. <i>Journal of Environmental Quality</i> , 2017 , 46, 1380-1387	3.4	7
27	Evaluation of a universal flow-through model for predicting and designing phosphorus removal structures. <i>Chemosphere</i> , 2016 , 151, 345-55	8.4	32
26	Phosphorus leaching from agricultural soils of the delmarva peninsula, USA. <i>Journal of Environmental Quality</i> , 2015 , 44, 524-34	3.4	41
25	Factors Controlling Phosphorus Mobilization in a Coastal Plain Tributary to the Chesapeake Bay. <i>Soil Science Society of America Journal</i> , 2015 , 79, 826-837	2.5	23
24	Phosphorus and nitrogen leaching before and after tillage and urea application. <i>Journal of Environmental Quality</i> , 2015 , 44, 560-71	3.4	12
23	Use of Best Management Practices and Pasture and Soil Quality on Maryland Horse Farms. <i>Journal of Equine Veterinary Science</i> , 2014 , 34, 257-264	1.2	10
22	Phosphorus removal structures: A management option for legacy phosphorus. <i>Journal of Soils and Water Conservation</i> , 2014 , 69, 51A-56A	2.2	37
21	Chemistry and Application of Industrial By-products to Animal Manure for Reducing Phosphorus Losses to Surface Waters 2014 , 211-238		2
20	A modelling approach to the design of in situ agricultural drainage filters. <i>Soil Use and Management</i> , 2013 , 29, 155-161	3.1	7

19	Quantification of ionophores in aged poultry litter using liquid chromatography tandem mass spectrometry. <i>Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes</i> , 2012 , 47, 959-66	2.2	13
18	Environmental Factors Structuring Benthic Macroinvertebrate Communities of Agricultural Ditches in Maryland. <i>Environmental Entomology</i> , 2012 , 41, 802-812	2.1	16
17	Effect of Land Application of Phosphorus-Saturated Gypsum on Soil Phosphorus in a Laboratory Incubation. <i>Applied and Environmental Soil Science</i> , 2012 , 2012, 1-7	3.8	5
16	Phosphorus removal with by-products in a flow-through setting. <i>Journal of Environmental Quality</i> , 2012 , 41, 654-63	3.4	50
15	Corn Response to Starter Fertilizer With and Without AVAIL. <i>Crop Management</i> , 2012 , 11, 1-8		9
14	Trapping phosphorus in runoff with a phosphorus removal structure. <i>Journal of Environmental Quality</i> , 2012 , 41, 672-9	3.4	45
13	Managing manure for sustainable livestock production in the Chesapeake Bay Watershed. <i>Journal of Soils and Water Conservation</i> , 2012 , 67, 54A-61A	2.2	31
12	Manure application technology in reduced tillage and forage systems: a review. <i>Journal of Environmental Quality</i> , 2011 , 40, 292-301	3.4	57
11	Forest restoration potentials of coal-mined lands in the eastern United States. <i>Journal of Environmental Quality</i> , 2011 , 40, 1567-77	3.4	56
10	Use of Industrial By-products to Sorb and Retain Phosphorus. <i>Communications in Soil Science and Plant Analysis</i> , 2011 , 42, 633-644	1.5	47
9	Land application of spent gypsum from ditch filters: phosphorus source or sink?. <i>Agricultural Sciences</i> , 2011 , 02, 364-374	0.4	4
8	Predicting Phosphorus Sorption onto Steel Slag Using a Flow-through approach with Application to a Pilot Scale System. <i>Journal of Water Resource and Protection</i> , 2011 , 03, 235-244	0.7	35
7	Modifying broiler diets with phytase and vitamin D metabolite (25-OH D(3)): impact on phosphorus in litter, amended soils, and runoff. <i>Journal of Environmental Quality</i> , 2010 , 39, 324-32	3.4	6
6	Temporal Variability of Soil Property Dynamics in a Grazed Pasture. <i>Communications in Soil Science and Plant Analysis</i> , 2010 , 41, 2744-2754	1.5	4
5	The impact of alum addition on organic P transformations in poultry litter and litter-amended soil. <i>Journal of Environmental Quality</i> , 2008 , 37, 469-76	3.4	23
4	Broiler diet modification and litter storage: impacts on phosphorus in litters, soils, and runoff. <i>Journal of Environmental Quality</i> , 2005 , 34, 1896-909	3.4	67
3	Surface runoff losses of phosphorus from Virginia soils amended with turkey manure using phytase and high available phosphorus corn diets. <i>Journal of Environmental Quality</i> , 2004 , 33, 1431-9	3.4	32
2	. <i>Soil Science</i> , 2003 , 168, 421-433	0.9	27

- 1 Minimum dataset and metadata guidelines for soil-test correlation and calibration research. *Soil Science Society of America Journal*, 2.5 1