

Darshani Kumaragamage

List of Publications by Citations

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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.

38
papers

349
citations

11
h-index

17
g-index

45
ext. papers

449
ext. citations

2.7
avg, IF

3.77
L-index

#	Paper	IF	Citations
38	Woodchip biochar with or without synthetic fertilizers affects soil properties and available phosphorus in two alkaline, chernozemic soils. <i>Canadian Journal of Soil Science</i> , 2016 , 96, 472-484	1.4	47
37	Phosphorus Mobilization from Manure-Amended and Unamended Alkaline Soils to Overlying Water during Simulated Flooding. <i>Journal of Environmental Quality</i> , 2015 , 44, 1252-62	3.4	46
36	Variability of soil properties in a tropical Alfisol used for shifting cultivation. <i>Soil and Tillage Research</i> , 1996 , 9, 187-197		33
35	Soil test phosphorus changes and phosphorus runoff losses in incubated soils treated with livestock manures and synthetic fertilizer. <i>Canadian Journal of Soil Science</i> , 2011 , 91, 375-384	1.4	24
34	Phosphorus Release to Floodwater from Calcareous Surface Soils and Their Corresponding Subsurface Soils under Anaerobic Conditions. <i>Journal of Environmental Quality</i> , 2016 , 45, 1375-84	3.4	19
33	Impact of manure phosphorus fractions on phosphorus loss from manured soils after incubation. <i>Journal of Environmental Quality</i> , 2012 , 41, 845-54	3.4	14
32	Manure Phosphorus: Mobility in Soils and Management Strategies to Minimize Losses. <i>Current Pollution Reports</i> , 2018 , 4, 162-174	7.6	13
31	Phosphorus Release from Unamended and Gypsum- or Biochar-Amended Soils under Simulated Snowmelt and Summer Flooding Conditions. <i>Journal of Environmental Quality</i> , 2019 , 48, 822-830	3.4	13
30	Importance of terrain attributes in relation to the spatial distribution of soil properties at the micro scale: a case study. <i>Canadian Journal of Soil Science</i> , 2018 , 98, 292-305	1.4	12
29	Predicting Phosphorus Release from Anaerobic, Alkaline, Flooded Soils. <i>Journal of Environmental Quality</i> , 2016 , 45, 1452-9	3.4	12
28	Efficacy of a new N-(n-butyl) thiophosphoric triamide formulation in reducing ammonia volatilization from urea-based fertilizers. <i>Canadian Journal of Soil Science</i> , 2019 , 99, 395-405	1.4	11
27	Systematic Approach to Diagnosing Fertility Problems in Soils of Sri Lanka. <i>Communications in Soil Science and Plant Analysis</i> , 2011 , 42, 2699-2715	1.5	11
26	Evaluation of Ammonium Bicarbonate Diethylene Triamine Penta Acetic Acid as a Multinutrient Extractant for Acidic Lowland Rice Soils. <i>Communications in Soil Science and Plant Analysis</i> , 2008 , 39, 1773-1790 ¹⁰	1.5	10
25	Phosphorus diffusion from monocalcium phosphate co-applied with salts in a calcareous soil. <i>Canadian Journal of Soil Science</i> , 2004 , 84, 447-458	1.4	9
24	Degree of Phosphorus Saturation as a Predictor of Redox-Induced Phosphorus Release from Flooded Soils to Floodwater. <i>Journal of Environmental Quality</i> , 2019 , 48, 1817-1825	3.4	9
23	Comparison of Nutrient and Metal Loadings with the Application of Swine Manure Slurries and Their Liquid Separates to Soils. <i>Journal of Environmental Quality</i> , 2016 , 45, 1769-1775	3.4	8
22	Phosphorus fractions in solid and liquid separates of Swine slurry separated using different technologies. <i>Journal of Environmental Quality</i> , 2013 , 42, 1863-71	3.4	7

21	Gypsum Amendment Reduces Redox-Induced Phosphorous Release from Freshly Manured, Flooded Soils to Floodwater. <i>Journal of Environmental Quality</i> , 2019 , 48, 127-135	3.4	6
20	Temperature and freezing effects on phosphorus release from soils to overlying floodwater under flooded-anaerobic conditions. <i>Journal of Environmental Quality</i> , 2020 , 49, 700-711	3.4	6
19	Identifying the Sources and Contamination Status of Potentially Toxic Trace Elements in Agricultural Soils. <i>Communications in Soil Science and Plant Analysis</i> , 2017 , 48, 865-877	1.5	5
18	Efficiency of fall versus spring applied urea-based fertilizers treated with urease and nitrification inhibitors I. Ammonia volatilization and mitigation by NBPT. <i>Soil Science Society of America Journal</i> , 2020 , 84, 949-962	2.5	5
17	Improving soil carbon pool, soil fertility and yield of maize (<i>Zea mays</i> L.) in low-fertile tropical Alfisols by combining fertilizers with slow-decomposing organic amendments. <i>Journal of Agricultural Science</i> , 2019 , 157, 45-54	1	3
16	Heavy-Metal Fractions in Solid and Liquid Separates of Swine Slurry Separated using Different Technologies. <i>Journal of Environmental Quality</i> , 2014 , 43, 1779-89	3.4	3
15	Nitrification inhibitor reduces the inhibitory effect of N-(n-butyl) thiophosphoric triamide (NBPT) on the hydrolysis of urea. <i>Soil Science Society of America Journal</i> , 2020 , 84, 1782-1794	2.5	3
14	Phosphorus mobilization from intact soil monoliths flooded under simulated summer versus spring snowmelt with intermittent freeze-thaw conditions. <i>Journal of Environmental Quality</i> , 2021 , 50, 215-227 ^{3,4}	3.4	3
13	Phosphorus mobilization in unamended and magnesium sulfate-amended soil monoliths under simulated snowmelt flooding. <i>Environmental Pollution</i> , 2021 , 287, 117619	9.3	3
12	Response of Maize (<i>Zea Mays</i> L.) to Phosphorus Fertilizers in Two Alfisols with Contrasting Phosphorus Availabilities and Sorption Capacities. <i>Communications in Soil Science and Plant Analysis</i> , 2018 , 49, 1218-1228	1.5	2
11	Flooding induced inorganic phosphorus transformations in two soils, with and without gypsum amendment.. <i>Journal of Environmental Quality</i> , 2021 ,	3.4	2
10	Beneficial management practices on growth and yield parameters of maize (<i>Zea mays</i>) and soil fertility improvement. <i>Tropical Agricultural Research</i> , 2016 , 27, 59	1.7	2
9	Profiling Undergraduate Soil Science Education in Canada: Status and Projected Trends. <i>Canadian Journal of Soil Science</i> , 2016 ,	1.4	2
8	Phosphorus release from intact soil monoliths of manure-amended fields under simulated snowmelt flooding. <i>Journal of Environmental Quality</i> , 2021 , 50, 252-263	3.4	2
7	Flooding-Induced Mobilization of Potentially Toxic Trace Elements from Uncontaminated, Calcareous, Agricultural Soils. <i>Canadian Journal of Soil Science</i> , 2017 ,	1.4	1
6	Woodchip biochar with or without synthetic fertilizers affects soil properties and available phosphorus in two alkaline, Chernozemic soils. <i>Canadian Journal of Soil Science</i> , 2016 ,	1.4	1
5	Efficiency of fall versus spring applied urea-based fertilizers treated with urease and nitrification inhibitors II. Crop yield and nitrogen use efficiency. <i>Soil Science Society of America Journal</i> , 2021 , 85, 299-313	2.5	1
4	Alum and Gypsum Amendments Decrease Phosphorus Losses from Soil Monoliths to Overlying Floodwater under Simulated Snowmelt Flooding. <i>Water (Switzerland)</i> , 2022 , 14, 559	3	0

- 3 Stability of stored N-(n-butyl) thiophosphoric triamide (NBPT) treated urea-based fertilizers. *Communications in Soil Science and Plant Analysis*, **2020**, 51, 911-918 1.5
- 2 Performance of an Optimized Nutrient Management Approach for Tomato in Central Sri Lanka. *Communications in Soil Science and Plant Analysis*, **2013**, 44, 3049-3060 1.5
- 1 Quantity and intensity relationships in predicting P availability of soils in Sri Lanka. *Zeitschrift Fur Pflanzenernahrung Und Bodenkunde = Journal of Plant Nutrition and Plant Science*, **1988**, 151, 395-398