

Darshani Kumaragamage

List of Publications by Year in descending order

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45
papers

541
citations

758635

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502
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#	ARTICLE	IF	CITATIONS
1	Phosphorus Mobilization from Manure-Amended and Unamended Alkaline Soils to Overlying Water during Simulated Flooding. <i>Journal of Environmental Quality</i> , 2015, 44, 1252-1262.	1.0	66
2	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.	0.5	59
3	Variability of soil properties in a tropical Alfisol used for shifting cultivation. <i>Soil and Tillage Research</i> , 1996, 9, 187-197.	0.4	36
4	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.	0.5	31
5	Phosphorus Release to Floodwater from Calcareous Surface Soils and Their Corresponding Subsurface Soils under Anaerobic Conditions. <i>Journal of Environmental Quality</i> , 2016, 45, 1375-1384.	1.0	26
6	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.	1.0	21
7	Systematic Approach to Diagnosing Fertility Problems in Soils of Sri Lanka. <i>Communications in Soil Science and Plant Analysis</i> , 2011, 42, 2699-2715.	0.6	19
8	Manure Phosphorus: Mobility in Soils and Management Strategies to Minimize Losses. <i>Current Pollution Reports</i> , 2018, 4, 162-174.	3.1	19
9	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.	0.5	18
10	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.	1.0	18
11	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.	0.6	17
12	Impact of Manure Phosphorus Fractions on Phosphorus Loss from Manured Soils after Incubation. <i>Journal of Environmental Quality</i> , 2012, 41, 845-854.	1.0	17
13	Predicting Phosphorus Release from Anaerobic, Alkaline, Flooded Soils. <i>Journal of Environmental Quality</i> , 2016, 45, 1452-1459.	1.0	15
14	Efficacy of a new <i>N</i> -(<i>n</i> -butyl) thiophosphoric triamide formulation in reducing ammonia volatilization from urea-based fertilizers. <i>Canadian Journal of Soil Science</i> , 2019, 99, 395-405.	0.5	14
15	Phosphorus mobilization in unamended and magnesium sulfate-amended soil monoliths under simulated snowmelt flooding. <i>Environmental Pollution</i> , 2021, 287, 117619.	3.7	13
16	Gypsum Amendment Reduces Redox Induced Phosphorous Release from Freshly Manured, Flooded Soils to Floodwater. <i>Journal of Environmental Quality</i> , 2019, 48, 127-135.	1.0	12
17	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.	1.2	12
18	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.	1.0	11

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19	Phosphorus diffusion from monocalcium phosphate co-applied with salts in a calcareous soil. Canadian Journal of Soil Science, 2004, 84, 447-458.	0.5	10
20	Comparison of Nutrient and Metal Loadings with the Application of Swine Manure Slurries and Their Liquid Separates to Soils. Journal of Environmental Quality, 2016, 45, 1769-1775.	1.0	10
21	Efficiency of fall versus spring applied urea-based fertilizers treated with urease and nitrification inhibitors II. Crop yield and nitrogen use efficiency. Soil Science Society of America Journal, 2021, 85, 299-313.	1.2	10
22	Phosphorus Release and Speciation in Manganese(IV) Oxide and Zeolite-Amended Flooded Soils. Environmental Science & Technology, 2022, 56, 8082-8093.	4.6	10
23	Heavy-Metal Fractions in Solid and Liquid Separates of Swine Slurry Separated using Different Technologies. Journal of Environmental Quality, 2014, 43, 1779-1789.	1.0	9
24	Phosphorus Fractions in Solid and Liquid Separates of Swine Slurry Separated Using Different Technologies. Journal of Environmental Quality, 2013, 42, 1863-1871.	1.0	8
25	Profiling Undergraduate Soil Science Education in Canada: Status and Projected Trends. Canadian Journal of Soil Science, 2016, , .	0.5	7
26	Nitrification inhibitor reduces the inhibitory effect of N-(n-butyl) thiophosphoric triamide (NBPT) on the hydrolysis of urea. Soil Science Society of America Journal, 2020, 84, 1782-1794.	1.2	7
27	Phosphorus mobilization from intact soil monoliths flooded under simulated summer versus spring snowmelt with intermittent freeze-thaw conditions. Journal of Environmental Quality, 2021, 50, 215-227.	1.0	7
28	Identifying the Sources and Contamination Status of Potentially Toxic Trace Elements in Agricultural Soils. Communications in Soil Science and Plant Analysis, 2017, 48, 865-877.	0.6	6
29	Flooding-induced inorganic phosphorus transformations in two soils, with and without gypsum amendment. Journal of Environmental Quality, 2022, 51, 90-100.	1.0	6
30	Phosphorus release from intact soil monoliths of manure-amended fields under simulated snowmelt flooding. Journal of Environmental Quality, 2021, 50, 252-263.	1.0	5
31	Alum and Gypsum Amendments Decrease Phosphorus Losses from Soil Monoliths to Overlying Floodwater under Simulated Snowmelt Flooding. Water (Switzerland), 2022, 14, 559.	1.2	5
32	Response of Maize (<i>Zea Mays</i> L.) to Phosphorus Fertilizers in Two Alfisols with Contrasting Phosphorus Availabilities and Sorption Capacities. Communications in Soil Science and Plant Analysis, 2018, 49, 1218-1228.	0.6	4
33	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. Journal of Agricultural Science, 2019, 157, 45-54.	0.6	4
34	Fertilizer-induced phosphorus dynamics in alkaline-calcareous soils as influenced by soil chemical properties. Canadian Journal of Soil Science, 0, , .	0.5	2
35	Flooding-Induced Mobilization of Potentially Toxic Trace Elements from Uncontaminated, Calcareous, Agricultural Soils. Canadian Journal of Soil Science, 0, , .	0.5	2
36	Beneficial management practices on growth and yield parameters of maize (<i>Zea mays</i>) and soil fertility improvement. Tropical Agricultural Research, 2016, 27, 59.	0.1	2

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37	Woodchip biochar with or without synthetic fertilizers affects soil properties and available phosphorus in two alkaline, Chernozemic soils. Canadian Journal of Soil Science, 2016, , .	0.5	1
38	Simulation of nitrate leaching in Yala season in Batticaloa - A modeling approach. Journal of Science of the University of Kelaniya Sri Lanka, 2012, 5, 33.	0.1	1
39	Ferric Chloride Amendment Reduces Phosphorus Losses from Flooded Soil Monoliths to Overlying Floodwater. Canadian Journal of Soil Science, 0, , .	0.5	1
40	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.	0.4	0
41	Performance of an Optimized Nutrient Management Approach for Tomato in Central Sri Lanka. Communications in Soil Science and Plant Analysis, 2013, 44, 3049-3060.	0.6	0
42	Stability of stored N-(n-butyl) thiophosphoric triamide (NBPT) treated urea-based fertilizers. Communications in Soil Science and Plant Analysis, 2020, 51, 911-918.	0.6	0
43	Phosphorus Rates on Growth Parameters of Maize (Zea mays L.) in Reddish Brown Earth under Greenhouse Condition. Proceedings of the International Forestry and Environment Symposium, 2014, 18, .	0.0	0
44	Seasonal variation of leaching of nitrate under onion cultivation in sandy regosols uncl its predictions by LEACHM-N. AGRIEAST Journal of Agricultural Sciences, 2015, 9, 17.	0.1	0
45	Nitrogen use efficiency of wheat and canola from urea treated with different types of double inhibitors. Canadian Journal of Soil Science, 0, , .	0.5	0