

Bernard Gagnon

List of Publications by Year in descending order

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Version: 2024-02-01

41
papers

889
citations

471061

17
h-index

476904

29
g-index

41
all docs

41
docs citations

41
times ranked

1032
citing authors

#	ARTICLE	IF	CITATIONS
1	Fertilizer Source Influenced Nitrous Oxide Emissions from a Clay Soil under Corn. Soil Science Society of America Journal, 2011, 75, 595-604.	1.2	90
2	Nitrogen and phosphorus release from on-farm and industrial composts. Canadian Journal of Soil Science, 1999, 79, 481-489.	0.5	78
3	Seasonal variation of microbial biomass, activity, and community structure in soil under different tillage and phosphorus management practices. Biology and Fertility of Soils, 2013, 49, 803-818.	2.3	58
4	Urea fertilizer forms affect grain corn yield and nitrogen use efficiency. Canadian Journal of Soil Science, 2012, 92, 341-351.	0.5	56
5	Organic matter and aggregation in a degraded potato soil as affected by raw and composted pulp residue. Biology and Fertility of Soils, 2001, 34, 441-447.	2.3	53
6	Achieving Lower Nitrogen Balance and Higher Nitrogen Recovery Efficiency Reduces Nitrous Oxide Emissions in North America's Maize Cropping Systems. Frontiers in Plant Science, 2017, 8, 1080.	1.7	53
7	Forms of phosphorus in composts and in compost-amended soils following incubation. Canadian Journal of Soil Science, 2012, 92, 711-721.	0.5	42
8	Visible near infrared reflectance spectroscopy prediction of soil heavy metal concentrations in paper mill biosolid- and liming by-product-amended agricultural soils. Geoderma, 2017, 288, 23-36.	2.3	40
9	Grain Corn and Soil Nitrogen Responses to Sidedress Nitrogen Sources and Applications. Agronomy Journal, 2010, 102, 1014-1022.	0.9	39
10	In situ Mineralization of Dairy Cattle Manures as Determined using Soil-Surface Carbon Dioxide Fluxes. Soil Science Society of America Journal, 2006, 70, 744-752.	1.2	34
11	Impact of natural or industrial liming materials on soil properties and microbial activity. Canadian Journal of Soil Science, 2009, 89, 209-222.	0.5	30
12	Soil-surface carbon dioxide emission following nitrogen fertilization in corn. Canadian Journal of Soil Science, 2016, 96, 219-232.	0.5	30
13	Papermill biosolids and alkaline residuals affect crop yield and soil properties over nine years of continuous application. Canadian Journal of Soil Science, 2012, 92, 917-930.	0.5	29
14	Long-term tillage and synthetic fertilization affect soil functioning and crop yields in a corn-soybean rotation in eastern Canada. Canadian Journal of Soil Science, 2014, 94, 365-376.	0.5	28
15	Biosolids from Treated Swine Manure and Papermill Residues Affect Corn Fertilizer Value. Agronomy Journal, 2012, 104, 483-492.	0.9	27
16	Microbial biomass C and alkaline phosphatase activity in two compost amended soils. Canadian Journal of Soil Science, 1998, 78, 581-587.	0.5	21
17	Validation and use of critical phosphorus concentration in maize. European Journal of Agronomy, 2020, 120, 126147.	1.9	21
18	Crop yield and soil fertility as affected by papermill biosolids and liming by-products. Canadian Journal of Soil Science, 2013, 93, 319-328.	0.5	20

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19	Characterization of several on-farm and industrial composted materials. Canadian Journal of Soil Science, 1999, 79, 201-210.	0.5	19
20	Dynamics of soil water-extractable organic C following application of dairy cattle manures. Canadian Journal of Soil Science, 2006, 86, 851-858.	0.5	18
21	Metal Availability following Paper Mill and Alkaline Residuals Application to Field Crops. Journal of Environmental Quality, 2013, 42, 412-420.	1.0	14
22	Residual effects of paper mill biosolids and liming materials on soil microbial biomass and community structure. Canadian Journal of Soil Science, 2016, , .	0.5	11
23	Mehlich 3 Soil Phosphorus as Determined by Colorimetry and Inductively Coupled Plasma. Communications in Soil Science and Plant Analysis, 2009, 40, 132-140.	0.6	10
24	Agronomic and Economic Benefits of Rotating Corn with Soybean and Spring Wheat under Different Tillage in Eastern Canada. Agronomy Journal, 2019, 111, 3109-3118.	0.9	8
25	Evolution of Chemical Composition and Microbial Activity during Storage of Compost-Based Mixes. Compost Science and Utilization, 1993, 1, 15-21.	1.2	7
26	Contribution of on-farm and industrial composts to soil pH and enrichment in available nutrients and metals. Canadian Journal of Soil Science, 2004, 84, 439-445.	0.5	7
27	Forest-derived liming by-products: Potential benefits to remediate soil acidity and increase soil fertility. Agronomy Journal, 2020, 112, 4788-4798.	0.9	7
28	Soil Phosphorus Fractionation as Affected by Paper Mill Biosolids Applied to Soils of Contrasting Properties. Frontiers in Environmental Science, 2020, 8, .	1.5	6
29	Soil phosphorus fractionation after co-applying biochar and paper mill biosolids. Canadian Journal of Soil Science, 0, , 1-11.	0.5	5
30	Urea-Based Fertilizer as an Efficient Nitrogen Source in Perennial Cool-Grass Forage Production. Agronomy Journal, 2019, 111, 867-880.	0.9	4
31	Nitrogen Nutrition Indicators in Corn Fertilized with Different Urea-Nitrogen Forms. Agronomy Journal, 2019, 111, 3281-3290.	0.9	4
32	Nitrogen and phosphorus release from paper mill biosolids as affected by material source and soil type under controlled incubation. Canadian Journal of Soil Science, 2021, 101, 103-112.	0.5	4
33	Soil Mehlich-3-extractable elements as affected by the addition of biochars to a clay soil co-amended with or without a compost. Canadian Journal of Soil Science, 2022, 102, 97-107.	0.5	4
34	Integrating knowledge of nutrient forms and dynamics into improved nutrient management practices: Attribute to R�gis Simard. Canadian Journal of Soil Science, 2009, 89, 133-144.	0.5	3
35	Repeated Annual Paper Mill and Alkaline Residuals Application Affects Soil Metal Fractions. Journal of Environmental Quality, 2014, 43, 517-527.	1.0	3
36	Co-application of wood biochar and paper mill biosolids affects yield and short-term nitrogen and phosphorus availability in temperate loamy soils. Canadian Journal of Soil Science, 2022, 102, 131-146.	0.5	2

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37	Agronomic and Economic Performance of 26-year Corn-Soybean Rotation Affected by Tillage and Mineral Fertilization in Eastern Canada. <i>Agronomy Journal</i> , 0, , .	0.9	2
38	The use of isometric log ratios to classify phosphorus attributes in composts. <i>Canadian Journal of Soil Science</i> , 2018, 98, 448-457.	0.5	1
39	Residual effects of papermill biosolids and forest-derived alkaline materials on crop yield and plant metal accumulation. <i>Canadian Journal of Soil Science</i> , 2021, 101, 248-260.	0.5	1
40	Prediction of total carbon, total nitrogen and pH of organic materials using visible near infrared reflectance spectroscopy. <i>Canadian Journal of Soil Science</i> , 0, , .	0.5	0
41	Soil carbohydrate and aggregation as affected by carbohydrate composition of paper mill biosolids. <i>Canadian Journal of Soil Science</i> , 0, , .	0.5	0