

Bernard Gagnon

List of Publications by Year in descending order

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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	Soil Mehlich-3-extractable elements as affected by the addition of biochars to a clay soil co-amended with or without a compost. <i>Canadian Journal of Soil Science</i> , 2022, 102, 97-107.	0.5	4
2	Co-application of wood biochar and paper mill biosolids affects yield and short-term nitrogen and phosphorus availability in temperate loamy soils. <i>Canadian Journal of Soil Science</i> , 2022, 102, 131-146.	0.5	2
3	Nitrogen and phosphorus release from paper mill biosolids as affected by material source and soil type under controlled incubation. <i>Canadian Journal of Soil Science</i> , 2021, 101, 103-112.	0.5	4
4	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
5	Validation and use of critical phosphorus concentration in maize. <i>European Journal of Agronomy</i> , 2020, 120, 126147.	1.9	21
6	Forest-derived liming by-products: Potential benefits to remediate soil acidity and increase soil fertility. <i>Agronomy Journal</i> , 2020, 112, 4788-4798.	0.9	7
7	Soil Phosphorus Fractionation as Affected by Paper Mill Biosolids Applied to Soils of Contrasting Properties. <i>Frontiers in Environmental Science</i> , 2020, 8, .	1.5	6
8	Agronomic and Economic Benefits of Rotating Corn with Soybean and Spring Wheat under Different Tillage in Eastern Canada. <i>Agronomy Journal</i> , 2019, 111, 3109-3118.	0.9	8
9	Urea-Based Fertilizer as an Efficient Nitrogen Source in Perennial Cool-Grass Forage Production. <i>Agronomy Journal</i> , 2019, 111, 867-880.	0.9	4
10	Nitrogen Nutrition Indicators in Corn Fertilized with Different Urea-Nitrogen Forms. <i>Agronomy Journal</i> , 2019, 111, 3281-3290.	0.9	4
11	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
12	Visible near infrared reflectance spectroscopy prediction of soil heavy metal concentrations in paper mill biosolid- and liming by-product-amended agricultural soils. <i>Geoderma</i> , 2017, 288, 23-36.	2.3	40
13	Achieving Lower Nitrogen Balance and Higher Nitrogen Recovery Efficiency Reduces Nitrous Oxide Emissions in North America's Maize Cropping Systems. <i>Frontiers in Plant Science</i> , 2017, 8, 1080.	1.7	53
14	Soil-surface carbon dioxide emission following nitrogen fertilization in corn. <i>Canadian Journal of Soil Science</i> , 2016, 96, 219-232.	0.5	30
15	Residual effects of paper mill biosolids and liming materials on soil microbial biomass and community structure. <i>Canadian Journal of Soil Science</i> , 2016, , .	0.5	11
16	Long-term tillage and synthetic fertilization affect soil functioning and crop yields in a corn-soybean rotation in eastern Canada. <i>Canadian Journal of Soil Science</i> , 2014, 94, 365-376.	0.5	28
17	Repeated Annual Paper Mill and Alkaline Residuals Application Affects Soil Metal Fractions. <i>Journal of Environmental Quality</i> , 2014, 43, 517-527.	1.0	3
18	Seasonal variation of microbial biomass, activity, and community structure in soil under different tillage and phosphorus management practices. <i>Biology and Fertility of Soils</i> , 2013, 49, 803-818.	2.3	58

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19	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
20	Metal Availability following Paper Mill and Alkaline Residuals Application to Field Crops. Journal of Environmental Quality, 2013, 42, 412-420.	1.0	14
21	Forms of phosphorus in composts and in compost-amended soils following incubation. Canadian Journal of Soil Science, 2012, 92, 711-721.	0.5	42
22	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
23	Urea fertilizer forms affect grain corn yield and nitrogen use efficiency. Canadian Journal of Soil Science, 2012, 92, 341-351.	0.5	56
24	Biosolids from Treated Swine Manure and Papermill Residues Affect Corn Fertilizer Value. Agronomy Journal, 2012, 104, 483-492.	0.9	27
25	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
26	Grain Corn and Soil Nitrogen Responses to Sidedress Nitrogen Sources and Applications. Agronomy Journal, 2010, 102, 1014-1022.	0.9	39
27	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
28	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
29	Integrating knowledge of nutrient forms and dynamics into improved nutrient management practices: A tribute to R. G. Simard. Canadian Journal of Soil Science, 2009, 89, 133-144.	0.5	3
30	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
31	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
32	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
33	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
34	Nitrogen and phosphorus release from on-farm and industrial composts. Canadian Journal of Soil Science, 1999, 79, 481-489.	0.5	78
35	Characterization of several on-farm and industrial composted materials. Canadian Journal of Soil Science, 1999, 79, 201-210.	0.5	19
36	Microbial biomass C and alkaline phosphatase activity in two compost amended soils. Canadian Journal of Soil Science, 1998, 78, 581-587.	0.5	21

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37	Evolution of Chemical Composition and Microbial Activity during Storage of Compost-Based Mixes. <i>Compost Science and Utilization</i> , 1993, 1, 15-21.	1.2	7
38	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
39	Soil phosphorus fractionation after co-applying biochar and paper mill biosolids. <i>Canadian Journal of Soil Science</i> , 0, , 1-11.	0.5	5
40	Soil carbohydrate and aggregation as affected by carbohydrate composition of paper mill biosolids. <i>Canadian Journal of Soil Science</i> , 0, , .	0.5	0
41	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