Serge-Étienne Parent

List of Publications by Year
in descending order

49 papers	632 citations	623188 14 h-index	676716 22 g-index
50 all docs	50 docs citations	50 times ranked	652 citing authors

#	Article	IF	Citations
1	The Plant Ionome Revisited by the Nutrient Balance Concept. Frontiers in Plant Science, 2013, 4, 39.	1.7	74
2	Plant ionome diagnosis using sound balances: case study with mango (Mangifera Indica). Frontiers in Plant Science, 2013, 4, 449.	1.7	48
3	Adsorption and desorption behavior of selected pesticides as influenced by decomposition of maize mulch. Chemosphere, 2013, 91, 1447-1455.	4.2	35
4	Design of Inclined Covers with Capillary Barrier Effect. Geotechnical and Geological Engineering, 2006, 24, 689-710.	0.8	34
5	Compositional analysis for an unbiased measure of soil aggregation. Geoderma, 2012, 179-180, 123-131.	2.3	31
6	Phosphorus Over-Fertilization and Nutrient Misbalance of Irrigated Tomato Crops in Brazil. Frontiers in Plant Science, 2017, 8, 825.	1.7	30
7	Using a soil bacterial species balance index to estimate potato crop productivity. PLoS ONE, 2019, 14, e0214089.	1.1	27
8	Humboldtian Diagnosis of Peach Tree (Prunus persica) Nutrition Using Machine-Learning and Compositional Methods. Agronomy, 2020, 10, 900.	1.3	22
9	Acidez do solo e calagem em pomares de frutíferas tropicais. Revista Brasileira De Fruticultura, 2012, 34, 1294-1306.	0.2	22
10	Balancing guava nutrition with liming and fertilization. Revista Brasileira De Fruticultura, 2012, 34, 1224-1234.	0.2	19
11	Biogeochemistry of soil inorganic and organic phosphorus: A compositional analysis with balances. Journal of Geochemical Exploration, 2014, 141, 52-60.	1.5	19
12	Site-specific machine learning predictive fertilization models for potato crops in Eastern Canada. PLoS ONE, 2020, 15, e0230888.	1.1	19
13	Balance design for robust foliar nutrient diagnosis of "Prata" banana (Musa spp.). Scientific Reports, 2018, 8, 15040.	1.6	17
14	Water retention curve and hydraulic conductivity function of highly compressible materials. Canadian Geotechnical Journal, 2007, 44, 1200-1214.	1.4	16
15	Guava Waste to Sustain Guava (Psidium guajava) Agroecosystem: Nutrient "Balance" Concepts. Frontiers in Plant Science, 2016, 7, 1252.	1.7	15
16	The Ionomics of Lettuce Infected by Xanthomonas campestris pv. vitians. Frontiers in Plant Science, 2019, 10, 351.	1.7	15
17	Mineral Balance Plasticity of Cloudberry (<i>Rubus chamaemorus</i>) in Quebec-Labrador Bogs. American Journal of Plant Sciences, 2013, 04, 1508-1520.	0.3	15
18	Corn response to banded phosphorus fertilizers with or without manure application in Eastern Canada. Agronomy Journal, 2020, 112, 2176-2187.	0.9	14

#	ARTICLE	IF	CITATIONS
19	N-P Fertilization Inhibits Growth of Root Hemiparasite Pedicularis kansuensis in Natural Grassland. Frontiers in Plant Science, 2017, 8, 2088.	1.7	13
20	Cultivar-specific nutritional status of potato (Solanum tuberosum L.) crops. PLoS ONE, 2020, 15, e0230458.	1.1	13
21	Current and next-year cranberry yields predicted from local features and carryover effects. PLoS ONE, 2021, 16, e0250575.	1.1	12
22	Nutrient signature of Quebec (Canada) cranberry (Vaccinium macrocarpon Ait.). Revista Brasileira De Fruticultura, 2013, 35, 292-304.	0.2	12
23	Compaction of Coarse-Textured Soils: Balance Models across Mineral and Organic Compositions. Frontiers in Ecology and Evolution, 2017, 5, .	1.1	11
24	Foliar Nutrient Balance Standards for Maize (&lt;i&gt;Zea mays&lt;/i&gt; L.) at High-Yield Level. American Journal of Plant Sciences, 2014, 05, 497-507.	0.3	11
25	Nutrient Balances of New Zealand Kiwifruit (<i>Actinidia deliciosa</i>cv. Hayward) at High Yield Level. Communications in Soil Science and Plant Analysis, 2015, 46, 256-271.	0.6	10
26	Conditioning Machine Learning Models to Adjust Lowbush Blueberry Crop Management to the Local Agroecosystem. Plants, 2020, 9, 1401.	1.6	10
27	Meta-analysis in the Selection of Groups in Varieties of Citrus. Communications in Soil Science and Plant Analysis, 2015, 46, 1948-1959.	0.6	9
28	Fertilization and Soil Nutrients Impact Differentially Cranberry Yield and Quality in Eastern Canada. Horticulturae, 2021, 7, 191.	1.2	9
29	Determination of the Hydraulic Conductivity Function of a Highly Compressible Material Based on Tests with Saturated Samples. Geotechnical Testing Journal, 2004, 27, 11854.	0.5	9
30	Tea Bag Index to Assess Carbon Decomposition Rate in Cranberry Agroecosystems. Soil Systems, 2021, 5, 44.	1.0	8
31	Site-Specific Multilevel Modeling of Potato Response to Nitrogen Fertilization. Frontiers in Environmental Science, 2017, 5, .	1.5	6
32	Soil Acidity and Liming in Tropical Fruit Orchards. , 0, , .		6
33	Determining soil particle-size distribution from infrared spectra using machine learning predictions: Methodology and modeling. PLoS ONE, 2021, 16, e0233242.	1.1	5
34	Biochemical Fractionation of Soil Organic Matter after Incorporation of Organic Residues. Open Journal of Soil Science, 2015, 05, 135-143.	0.3	5
35	Material Selection for the Design of inclined Covers with Capillary Barrier Effect. , 2005, , 1.		3
36	THE CND-GOIABA 1.0 SOFTWARE FOR NUTRITIONAL DIAGNOSIS OF GUAVA (PSIDIUM GUAJAVA L.) 'PALUMA', IN BRAZIL. Acta Horticulturae, 2012, , 161-166.	0.1	2

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37	Nitrogen and Potassium Fertilization in a Guava Orchard Evaluated for Five Cycles: Effects on the Plant and on Production. Revista Brasileira De Ciencia Do Solo, 2016, 40, .	0.5	1
38	The use of isometric log ratios to classify phosphorus attributes in composts. Canadian Journal of Soil Science, 2018, 98, 448-457.	0.5	1
39	Nitrogen and Potassium Fertilization in a Guava Orchard Evaluated for Five Cycles: Soil Cationic Balance. Revista Brasileira De Ciencia Do Solo, 2016, 40, .	0.5	0
40	Cultivar-specific nutritional status of potato (Solanum tuberosum L.) crops. , 2020, 15, e0230458.		0
41	Cultivar-specific nutritional status of potato (Solanum tuberosum L.) crops. , 2020, 15, e0230458.		0
42	Cultivar-specific nutritional status of potato (Solanum tuberosum L.) crops. , 2020, 15, e0230458.		0
43	Cultivar-specific nutritional status of potato (Solanum tuberosum L.) crops. , 2020, 15, e0230458.		0
44	Site-specific machine learning predictive fertilization models for potato crops in Eastern Canada. , 2020, 15, e0230888.		0
45	Site-specific machine learning predictive fertilization models for potato crops in Eastern Canada. , 2020, 15, e0230888.		0
46	Site-specific machine learning predictive fertilization models for potato crops in Eastern Canada. , 2020, 15, e0230888.		0
47	Site-specific machine learning predictive fertilization models for potato crops in Eastern Canada. , 2020, 15, e0230888.		0
48	Site-specific machine learning predictive fertilization models for potato crops in Eastern Canada. , 2020, 15, e0230888.		0
49	Site-specific machine learning predictive fertilization models for potato crops in Eastern Canada. , 2020, 15, e0230888.		0