Flavio H Gutierrez Boem

List of Publications by Year
in descending order

48 papers	1,001 citations	430442 18 h-index	476904 29 g-index
48 all docs	48 docs citations	48 times ranked	1125 citing authors

#	Article	IF	Citations
1	Predicting soil test phosphorus decrease in nonâ€Pâ€fertilized conditions. European Journal of Soil Science, 2021, 72, 254-264.	1.8	6
2	Is the Lack of Response of Maize to Fertilization in Soils with Low Bray1-P Related to Labile Organic Phosphorus?. Journal of Soil Science and Plant Nutrition, 2021, 21, 612-621.	1.7	3
3	Grain hordein content and malt quality as affected by foliar nitrogen fertilisation at heading. Journal of the Institute of Brewing, 2021, 127, 224-231.	0.8	6
4	Sulfur partitioning and grain concentration differed from that for nitrogen in malting barley. Field Crops Research, 2021, 263, 108053.	2.3	3
5	Crop sequence and P fertilization effects on soil P fractions under no-tillage. Nutrient Cycling in Agroecosystems, 2021, 120, 275.	1.1	2
6	Attainable yield and soil texture as drivers of maize response to nitrogen: A synthesis analysis for Argentina. Field Crops Research, 2021, 273, 108299.	2.3	12
7	Longâ€term fertilization does not affect soil carbon/nitrogen/sulfur ratios or the proportion between labile and nonlabile fractions in Mollisols. Soil Science Society of America Journal, 2020, 84, 798-810.	1.2	4
8	Assessing soil P fractions changes with longâ€term phosphorus fertilization related to crop yield of soybean and maize. Soil Use and Management, 2020, 36, 524-535.	2.6	13
9	Subtilase activity and gene expression during germination and seedling growth in barley. Plant Physiology and Biochemistry, 2019, 139, 197-206.	2.8	11
10	Sulphur fertilization of barley crops improves malt extract and fermentability. Journal of Cereal Science, 2019, 85, 228-235.	1.8	9
11	Long-term phosphorus fertilization of wheat, soybean and maize on Mollisols: Soil test trends, critical levels and balances. European Journal of Agronomy, 2018, 96, 87-95.	1.9	55
12	Environmental control of malting barley response to nitrogen in the Pampas, Argentina. International Journal of Plant Production, 2018, 12, 127-137.	1.0	13
13	A novel Burkholderia ambifaria strain able to degrade the mycotoxin fusaric acid and to inhibit Fusarium spp. growth. Microbiological Research, 2018, 206, 50-59.	2.5	53
14	Phloem transport of assimilates in relation to flowering time and senescence in barley grown with different availabilities of nitrogen and phosphorus. Archives of Agronomy and Soil Science, 2018, 64, 492-504.	1.3	3
15	Contrasting Effects of Phosphorus and Potassium Deficiencies on Leaf Area Development in Maize. Crop Science, 2018, 58, 2099-2109.	0.8	10
16	N:P:S stoichiometry in grains and physiological attributes associated with grain yield in maize as affected by phosphorus and sulfur nutrition. Field Crops Research, 2017, 203, 128-138.	2.3	30
17	A modification of the arcsineâ€“log calibration curve for analysing soil test valueâ€“relative yield relationships. Crop and Pasture Science, 2017, 68, 297.	0.7	20
18	Soil Characteristics Involved in Phosphorus Sorption in Mollisols. Soil Science Society of America Journal, 2016, 80, 1585-1590.	1.2	5

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19	Post-anthesis N and P dynamics and its impact on grain yield and quality in mycorrhizal barley plants. Mycorrhiza, 2015, 25, 229-235.	1.3	12
20	Protein content of grains of different size fractions in malting barley. Journal of the Institute of Brewing, 2014, 120, n/a-n/a.	0.8	18
21	Phloem sugars and amino acids as potential regulators of hordein expression in field grown malting barley (Hordeum vulgare L.). Journal of Cereal Science, 2014, 60, 433-439.	1.8	15
22	Severe Phosphorus Stress Affects Sunflower and Maize but Not Soybean Root to Shoot Allometry. Agronomy Journal, 2013, 105, 1283-1288.	0.9	8
23	Interlaboratory and Intralaboratory Testing of Soil Sulfate Analysis in Mollisols of the Pampas. Communications in Soil Science and Plant Analysis, 2012, 43, 2535-2543.	0.6	0
24	Rhizosphere phosphorus depletion by three crops differing in their phosphorus critical levels. Journal of Plant Nutrition and Soil Science, 2012, 175, 810-871.	1.1	13
25	Identifying sulfur deficient fields by using sulfur content; N:S ratio and nutrient stoichiometric relationships in soybean seeds. Field Crops Research, 2012, 135, 107-115.	2.3	28
26	Distribution and vertical stratification of carbon and nitrogen in soil under different managements in the pampean region of Argentina. Revista Brasileira De Ciencia Do Solo, 2011, 35, 1985-1994.	0.5	7
27	Effect of indigenous mycorrhizal colonization on phosphorus-acquisition efficiency in soybean and sunflower. Journal of Plant Nutrition and Soil Science, 2011, 174, 673-677.	1.1	19
28	The effect of root exudates on root architecture in Arabidopsis thaliana. Plant Growth Regulation, 2011, 64, 241-249.	1.8	28
29	Soil Phosphorus Extracted by Bray 1 and Mehlich 3 Soil Tests as Affected by the Soil/Solution Ratio in Mollisols. Communications in Soil Science and Plant Analysis, 2011, 42, 220-230.	0.6	28
30	Responses of C₃ and C₄ grasses to application of nitrogen and phosphorus fertilizer at two dates in the spring. Grass and Forage Science, 2010, 65, 102-109.	1.2	16
31	Compared Phosphorus Efficiency in Soybean, Sunflower and Maize. Journal of Plant Nutrition, 2009, 32, 2027-2043.	0.9	26
32	Topsoil Properties as Affected by Tillage Systems in the Rolling Pampa Region of Argentina. Soil Science Society of America Journal, 2009, 73, 1242-1250.	1.2	78
33	Phosphorus Retention on Soil Surface of Tilled and Noâ€tilled Soils. Soil Science Society of America Journal, 2008, 72, 1158-1162.	1.2	20
34	Estimating Available Soil Phosphorus Increases after Phosphorus Additions in Mollisols. Soil Science Society of America Journal, 2008, 72, 1721-1727.	1.2	29
35	Seed Number and Yield Determination in Sulfur Deficient Soybean Crops. Journal of Plant Nutrition, 2007, 30, 93-104.	0.9	22
36	Effects of soil flooding on P transformations in soils of the Mesopotamia region, Argentina. Journal of Plant Nutrition and Soil Science, 2007, 170, 500-505.	1.1	16

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37	Late season nitrogen fertilization of soybeans: effects on leaf senescence, yield and environment. Nutrient Cycling in Agroecosystems, 2004, 68, 109-115.	1.1	32
38	Sunflower nitrogen requirement and 15N fertilizer recovery in Western Pampas, Argentina. European Journal of Agronomy, 2002, 17, 73-79.	1.9	42
39	LEAF AREA DEVELOPMENT IN SOYBEAN AS AFFECTED BY PHOSPHORUS NUTRITION AND WATER DEFICIT. Journal of Plant Nutrition, 2001, 24, 1711-1729.	0.9	19
40	Root growth and phosphorus uptake in wideâ€•and narrowâ€•row soybeans. Journal of Plant Nutrition, 2000, 23, 1241-1249.	0.9	6
41	Phosphorus nutrition and water deficits in field-grown soybeans. Plant and Soil, 1998, 207, 87-96.	1.8	42
42	Phosphorus Nutrition Affects Wheat Response to Water Deficit. Agronomy Journal, 1998, 90, 166-171.	0.9	55
43	Effects of Waterlogging Followed by a Salinity Peak on Rapeseed (Brassica napus L.). Journal of Agronomy and Crop Science, 1997, 178, 135-140.	1.7	8
44	Note on the effects of winter and spring waterlogging on growth, chemical composition and yield of rapeseed. Field Crops Research, 1996, 47, 175-179.	2.3	59
45	The effects of soil sodicity on emergence, growth, development and yield of oilseed rape (Brassica) Tj ETQq1 1 0.784314 rgBT /Ov	0.6	7
46	The K/Na and Ca/Na ratios and rapeseed yield, under soil salinity or sodicity. Plant and Soil, 1995, 175, 251-255.	1.8	53
47	Some Effects of Soil Salinity on Growth, Development and Yield of Rapeseed (Brassica napus L.). Journal of Agronomy and Crop Science, 1994, 172, 182-187.	1.7	18
48	Effect of retention of run-off water and grazing on soil and on vegetation of a temperate humid grassland. Agricultural Water Management, 1993, 23, 233-246.	2.4	19