

# Flavio H Gutierrez Boem

## List of Publications by Year in descending order

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48  
papers

1,001  
citations

430874

18  
h-index

477307

29  
g-index

48  
all docs

48  
docs citations

48  
times ranked

1125  
citing authors

#	ARTICLE	IF	CITATIONS
1	Topsoil Properties as Affected by Tillage Systems in the Rolling Pampa Region of Argentina. Soil Science Society of America Journal, 2009, 73, 1242-1250.	2.2	78
2	Note on the effects of winter and spring waterlogging on growth, chemical composition and yield of rapeseed. Field Crops Research, 1996, 47, 175-179.	5.1	59
3	Phosphorus Nutrition Affects Wheat Response to Water Deficit. Agronomy Journal, 1998, 90, 166-171.	1.8	55
4	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.	4.1	55
5	The K/Na and Ca/Na ratios and rapeseed yield, under soil salinity or sodicity. Plant and Soil, 1995, 175, 251-255.	3.7	53
6	A novel Burkholderia ambifaria strain able to degrade the mycotoxin fusaric acid and to inhibit Fusarium spp. growth. Microbiological Research, 2018, 206, 50-59.	5.3	53
7	Phosphorus nutrition and water deficits in field-grown soybeans. Plant and Soil, 1998, 207, 87-96.	3.7	42
8	Sunflower nitrogen requirement and 15N fertilizer recovery in Western Pampas, Argentina. European Journal of Agronomy, 2002, 17, 73-79.	4.1	42
9	Late season nitrogen fertilization of soybeans: effects on leaf senescence, yield and environment. Nutrient Cycling in Agroecosystems, 2004, 68, 109-115.	2.2	32
10	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.	5.1	30
11	Estimating Available Soil Phosphorus Increases after Phosphorus Additions in Mollisols. Soil Science Society of America Journal, 2008, 72, 1721-1727.	2.2	29
12	The effect of root exudates on root architecture in Arabidopsis thaliana. Plant Growth Regulation, 2011, 64, 241-249.	3.4	28
13	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.	1.4	28
14	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.	5.1	28
15	Compared Phosphorus Efficiency in Soybean, Sunflower and Maize. Journal of Plant Nutrition, 2009, 32, 2027-2043.	1.9	26
16	Seed Number and Yield Determination in Sulfur Deficient Soybean Crops. Journal of Plant Nutrition, 2007, 30, 93-104.	1.9	22
17	Phosphorus Retention on Soil Surface of Tilled and No-tilled Soils. Soil Science Society of America Journal, 2008, 72, 1158-1162.	2.2	20
18	A modification of the arcsine-log calibration curve for analysing soil test value-“relative yield relationships. Crop and Pasture Science, 2017, 68, 297.	1.5	20

#	ARTICLE	IF	CITATIONS
19	Effect of retention of run-off water and grazing on soil and on vegetation of a temperate humid grassland. <i>Agricultural Water Management</i> , 1993, 23, 233-246.	5.6	19
20	LEAF AREA DEVELOPMENT IN SOYBEAN AS AFFECTED BY PHOSPHORUS NUTRITION AND WATER DEFICIT. <i>Journal of Plant Nutrition</i> , 2001, 24, 1711-1729.	1.9	19
21	Effect of indigenous mycorrhizal colonization on phosphorus-acquisition efficiency in soybean and sunflower. <i>Journal of Plant Nutrition and Soil Science</i> , 2011, 174, 673-677.	1.9	19
22	Some Effects of Soil Salinity on Growth, Development and Yield of Rapeseed ( <i>Brassica napus</i> L.). <i>Journal of Agronomy and Crop Science</i> , 1994, 172, 182-187.	3.5	18
23	Protein content of grains of different size fractions in malting barley. <i>Journal of the Institute of Brewing</i> , 2014, 120, n/a-n/a.	2.3	18
24	Effects of soil flooding on P transformations in soils of the Mesopotamia region, Argentina. <i>Journal of Plant Nutrition and Soil Science</i> , 2007, 170, 500-505.	1.9	16
25	Responses of C <sub>3</sub> and C <sub>4</sub> grasses to application of nitrogen and phosphorus fertilizer at two dates in the spring. <i>Grass and Forage Science</i> , 2010, 65, 102-109.	2.9	16
26	Phloem sugars and amino acids as potential regulators of hordein expression in field grown malting barley ( <i>Hordeum vulgare</i> L.). <i>Journal of Cereal Science</i> , 2014, 60, 433-439.	3.7	15
27	Rhizosphere phosphorus depletion by three crops differing in their phosphorus critical levels. <i>Journal of Plant Nutrition and Soil Science</i> , 2012, 175, 810-871.	1.9	13
28	Environmental control of malting barley response to nitrogen in the Pampas, Argentina. <i>International Journal of Plant Production</i> , 2018, 12, 127-137.	2.2	13
29	Assessing soil P fractions changes with long-term phosphorus fertilization related to crop yield of soybean and maize. <i>Soil Use and Management</i> , 2020, 36, 524-535.	4.9	13
30	Post-anthesis N and P dynamics and its impact on grain yield and quality in mycorrhizal barley plants. <i>Mycorrhiza</i> , 2015, 25, 229-235.	2.8	12
31	Attainable yield and soil texture as drivers of maize response to nitrogen: A synthesis analysis for Argentina. <i>Field Crops Research</i> , 2021, 273, 108299.	5.1	12
32	Subtilase activity and gene expression during germination and seedling growth in barley. <i>Plant Physiology and Biochemistry</i> , 2019, 139, 197-206.	5.8	11
33	Contrasting Effects of Phosphorus and Potassium Deficiencies on Leaf Area Development in Maize. <i>Crop Science</i> , 2018, 58, 2099-2109.	1.8	10
34	Sulphur fertilization of barley crops improves malt extract and fermentability. <i>Journal of Cereal Science</i> , 2019, 85, 228-235.	3.7	9
35	Effects of Waterlogging Followed by a Salinity Peak on Rapeseed ( <i>Brassica napus</i> L.). <i>Journal of Agronomy and Crop Science</i> , 1997, 178, 135-140.	3.5	8
36	Severe Phosphorus Stress Affects Sunflower and Maize but Not Soybean Root to Shoot Allometry. <i>Agronomy Journal</i> , 2013, 105, 1283-1288.	1.8	8

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37	The effects of soil sodicity on emergence, growth, development and yield of oilseed rape ( <i>Brassica</i> ) Tj ETQq1 1 0,784314 rgBT /Overl	1.3	7
38	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.	1.3	7
39	Root growth and phosphorus uptake in wide- and narrow-row soybeans. Journal of Plant Nutrition, 2000, 23, 1241-1249.	1.9	6
40	Predicting soil test phosphorus decrease in non-P fertilized conditions. European Journal of Soil Science, 2021, 72, 254-264.	3.9	6
41	Grain hordein content and malt quality as affected by foliar nitrogen fertilisation at heading. Journal of the Institute of Brewing, 2021, 127, 224-231.	2.3	6
42	Soil Characteristics Involved in Phosphorus Sorption in Mollisols. Soil Science Society of America Journal, 2016, 80, 1585-1590.	2.2	5
43	Long-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.	2.2	4
44	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.	2.6	3
45	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.	3.4	3
46	Sulfur partitioning and grain concentration differed from that for nitrogen in malting barley. Field Crops Research, 2021, 263, 108053.	5.1	3
47	Crop sequence and P fertilization effects on soil P fractions under no-tillage. Nutrient Cycling in Agroecosystems, 2021, 120, 275.	2.2	2
48	Interlaboratory and Intralaboratory Testing of Soil Sulfate Analysis in Mollisols of the Pampas. Communications in Soil Science and Plant Analysis, 2012, 43, 2535-2543.	1.4	0