

Paulo S Pavinato

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73
papers

1,205
citations

18
h-index

31
g-index

85
ext. papers

1,620
ext. citations

3.3
avg, IF

4.72
L-index

#	Paper	IF	Citations
73	Transitions to sustainable management of phosphorus in Brazilian agriculture. <i>Scientific Reports</i> , 2018 , 8, 2537	4.9	113
72	Legacy phosphorus and no tillage agriculture in tropical oxisols of the Brazilian savanna. <i>Science of the Total Environment</i> , 2016 , 542, 1050-61	10.2	106
71	Disponibilidade de nutrientes no solo: decomposi ^{ção} e libera ^{ção} de compostos orgânicos de resíduos vegetais. <i>Revista Brasileira De Ciencia Do Solo</i> , 2008 , 32, 911-920	1.5	94
70	Phosphorus fractions in Brazilian Cerrado soils as affected by tillage. <i>Soil and Tillage Research</i> , 2009 , 105, 149-155	6.5	64
69	Phosphorus pools responses to land-use change for sugarcane expansion in weathered Brazilian soils. <i>Geoderma</i> , 2016 , 265, 27-38	6.7	54
68	Soil carbon, nitrogen and phosphorus changes under sugarcane expansion in Brazil. <i>Science of the Total Environment</i> , 2015 , 515-516, 30-8	10.2	51
67	Changes in soil phosphorus lability promoted by phosphate sources and cover crops. <i>Soil and Tillage Research</i> , 2018 , 179, 20-28	6.5	38
66	Phosphorus recovery: a need for an integrated approach. <i>Ecosystem Health and Sustainability</i> , 2018 , 4, 48-57	3.7	34
65	Inoculation With Growth-Promoting Bacteria Associated With the Reduction of Phosphate Fertilization in Sugarcane. <i>Frontiers in Environmental Science</i> , 2020 , 8,	4.8	29
64	Manejo da aduba ^{ção} nitrogenada na sucessão de aveia preta/milho, no sistema plantio direto. <i>Revista Brasileira De Ciencia Do Solo</i> , 2002 , 26, 163-171	1.5	29
63	Tillage and phosphorus management effects on enzyme-labile bioactive phosphorus availability in Cerrado Oxisols. <i>Geoderma</i> , 2010 , 156, 207-215	6.7	26
62	Produtividade de grãos de milho, produção de matéria seca e acúmulo de nitrogênio, fósforo e potássio na rotação de aveia preta/milho/nabos forrageiro com aplicação de dejetos líquidos de suínos. <i>Ciencia Rural</i> , 2005 , 35, 1287-1295	1.3	26
61	Sugarcane Straw Removal: Implications to Soil Fertility and Fertilizer Demand in Brazil. <i>Bioenergy Research</i> , 2019 , 12, 888-900	3.1	25
60	Organic compounds from plant extracts and their effect on soil phosphorus availability. <i>Pesquisa Agropecuaria Brasileira</i> , 2008 , 43, 1379-1388	1.8	24
59	Do cover crops change the lability of phosphorus in a clayey subtropical soil under different phosphate fertilizers?. <i>Soil Use and Management</i> , 2017 , 33, 34-44	3.1	22
58	Effects of Cover Crops and Phosphorus Sources on Maize Yield, Phosphorus Uptake, and Phosphorus Use Efficiency. <i>Agronomy Journal</i> , 2017 , 109, 1039-1047	2.2	21
57	Organomineral phosphate fertilizer from sugarcane byproduct and its effects on soil phosphorus availability and sugarcane yield. <i>Geoderma</i> , 2019 , 339, 20-30	6.7	21

56	Nitrogênio e potássio em milho irrigado: análise técnica e econômica da fertilização. <i>Ciencia Rural</i> , 2008 , 38, 358-364	1.3	20
55	Phosphorus source driving the soil microbial interactions and improving sugarcane development. <i>Scientific Reports</i> , 2019 , 9, 4400	4.9	17
54	Perdas de nitrogênio de dejeto líquido de suínos por volatilização de amônia. <i>Ciencia Rural</i> , 2004 , 34, 1773-1778	1.3	17
53	Produção de forragem em pastagem natural com o uso de esterco líquido de suínos. <i>Revista Brasileira De Ciencia Do Solo</i> , 2002 , 26, 983-992	1.5	17
52	Improving phosphorus sustainability of sugarcane production in Brazil. <i>GCB Bioenergy</i> , 2019 , 11, 1444-1456	5.6	17
51	Revealing soil legacy phosphorus to promote sustainable agriculture in Brazil. <i>Scientific Reports</i> , 2020 , 10, 15615	4.9	16
50	Long-term effects of alum-treated litter, untreated litter and NHNO application on phosphorus speciation, distribution and reactivity in soils using K-edge XANES and chemical fractionation. <i>Journal of Environmental Management</i> , 2018 , 213, 206-216	7.9	15
49	Forest conversion to pasture affects soil phosphorus dynamics and nutritional status in Brazilian Amazon. <i>Soil and Tillage Research</i> , 2019 , 194, 104330	6.5	15
48	Solubility, Diffusion and Crop Uptake of Phosphorus in Three Different Struvites. <i>Sustainability</i> , 2019 , 11, 134	3.6	15
47	Produtividade da soja no cerrado influenciada pelas fontes de enxofre. <i>Revista Ciencia Agronomica</i> , 2011 , 42, 791-796	1	13
46	Crop Yields and Soil Phosphorus Lability under Soluble and Humic-Complexed Phosphate Fertilizers. <i>Agronomy Journal</i> , 2016 , 108, 1692-1702	2.2	13
45	Impacts of timber harvest intensity and P fertilizer application on soil P fractions. <i>Forest Ecology and Management</i> , 2019 , 437, 295-303	3.9	12
44	Nitrogen fertilizer split-application for corn in no-till succession to black oats. <i>Scientia Agricola</i> , 2002 , 59, 549-554	2.5	12
43	Distribution of Soil Phosphorus Fractions as a Function of Long-Term Soil Tillage and Phosphate Fertilization Management. <i>Frontiers in Earth Science</i> , 2020 , 8,	3.5	12
42	Cover Cropping May Alter Legacy Phosphorus Dynamics Under Long-Term Fertilizer Addition. <i>Frontiers in Environmental Science</i> , 2020 , 8,	4.8	11
41	Production and nutritional value of sorghum and black oat forages under nitrogen fertilization. <i>Grass and Forage Science</i> , 2014 , 69, 693-704	2.3	11
40	Manejo da adubação nitrogenada na sucessão aveia-preta/milho no sistema plantio direto. <i>Pesquisa Agropecuaria Brasileira</i> , 2003 , 38, 125-131	1.8	10
39	Changes in soil phosphorus pool induced by pastureland intensification and diversification in Brazil. <i>Science of the Total Environment</i> , 2020 , 703, 135463	10.2	10

38	Synthesis and characterization of struvite derived from poultry manure as a mineral fertilizer. <i>Journal of Environmental Management</i> , 2020 , 272, 111072	7.9	9
37	Phosphorus pool responses under different P inorganic fertilizers for a eucalyptus plantation in a loamy Oxisol. <i>Forest Ecology and Management</i> , 2019 , 435, 170-179	3.9	9
36	Soil phosphorus fractions and legacy in a corn-soybean rotation on Mollisols in Kansas, USA. <i>Geoderma Regional</i> , 2019 , 18, e00228	2.7	8
35	F^ Eforo e pot^ Esio na sucess^ o trigo/milho: ^ pocas e formas de aplica^ o. <i>Ciencia Rural</i> , 2004 , 34, 1779-1784	8	8
34	Micronutrientes na soja: produtividade e an^ lise econ^ omica. <i>Ciencia Rural</i> , 2005 , 35, 576-581	1.3	8
33	Phosphatization under birdsTactivity: Ornithogenesis at different scales on Antarctic Soilscapes. <i>Geoderma</i> , 2021 , 391, 114950	6.7	8
32	The impact of sugarcane filter cake on the availability of P in the rhizosphere and associated microbial community structure. <i>Soil Use and Management</i> , 2019 , 35, 334-345	3.1	8
31	Phosphate Sources and Filter Cake Amendment Affecting Sugarcane Yield and Soil Phosphorus Fractions. <i>Revista Brasileira De Ciencia Do Solo</i> , 2019 , 43,	1.5	7
30	Additives incorporated into urea to reduce nitrogen losses after application to the soil. <i>Pesquisa Agropecuaria Brasileira</i> , 2017 , 52, 194-204	1.8	7
29	Tillage systems and cover crops affecting soil phosphorus bioavailability in Brazilian Cerrado Oxisols. <i>Soil and Tillage Research</i> , 2021 , 205, 104770	6.5	7
28	Phosphate Sources and Their Placement Affecting Soil Phosphorus Pools in Sugarcane. <i>Agronomy</i> , 2018 , 8, 283	3.6	7
27	Phosphorus Fractionation in Soil Cultivated with Sugarcane Fertilized by Filter Cake and Phosphate Sources. <i>Communications in Soil Science and Plant Analysis</i> , 2015 , 46, 2449-2459	1.5	6
26	Silagem de aveia branca em fun^ o da aduba^ o nitrogenada e pr^ -murchamento. <i>Semina: Ciencias Agrarias</i> , 2014 , 35, 2185	0.6	6
25	Disponibilidade de c^ ions no solo alterada pelo sistema de manejo. <i>Revista Brasileira De Ciencia Do Solo</i> , 2009 , 33, 1031-1040	1.5	6
24	Dynamic of P Flux in Tropical Acid Soils Fertilized with Humic AcidâComplexed Phosphate. <i>Journal of Soil Science and Plant Nutrition</i> , 2020 , 20, 1937-1948	3.2	5
23	Nitrogen Efficiency and Nutrient Absorption by a Sorghum-Oats Forage Succession. <i>Advances in Agriculture</i> , 2015 , 2015, 1-12	1.1	5
22	Spatial distribution of sunflower cultivars and the relationship between growth features. <i>Revista Ciencia Agronomica</i> , 2012 , 43, 338-345	1	5
21	Boro em arroz de terras altas cultivado em solu^ o nutritiva. <i>Bragantia</i> , 2009 , 68, 743-751	1.2	5

20	Qualidade da silagem de aveia preta sob efeito de est ^{er} óis fenol ^{icos} , tamanhos de part ^{es} ula e pr ^{em} -murchamento. <i>Revista Brasileira De Saude E Producao Animal</i> , 2015 , 16, 486-498	0.8	4
19	Production and nutritive value of ryegrass (cv. Barjumbo) under nitrogen fertilization. <i>Revista Ciencia Agronomica</i> , 2014 , 45, 230-237	1	4
18	Mycorrhizas improve the absorption of non-available phosphorus by the green manure Tithonia diversifolia in poor soils. <i>Rhizosphere</i> , 2019 , 9, 27-33	3.5	4
17	Soil nitrogen dynamics under tobacco with different fertilizer management in southern Brazil. <i>Geoderma Regional</i> , 2020 , 21, e00282	2.7	3
16	ESTIMATIVAS DA NECESSIDADE DE NITROG ^N IO PARA PRODU ^C AO DE GR ^A OS E SILAGEM DE MILHO. <i>Revista Caatinga</i> , 2015 , 28, 12-24	0.6	3
15	Utiliza ^c o de c ^{ri} to e boro na produ ^c o de gr ^a os e silagem de girassol. <i>Semina: Ciencias Agrarias</i> , 2014 , 35, 2699	0.6	3
14	Produ ^c o, valor nutricional e efici ^e ncias de recupera ^c o e utiliza ^c o do nitrog ^N io de silagens de milho sob diferentes doses de aduba ^c o nitrogenada. <i>Semina: Ciencias Agrarias</i> , 2013 , 34,	0.6	3
13	Long term sugarcane straw removal affects soil phosphorus dynamics. <i>Soil and Tillage Research</i> , 2021 , 208, 104898	6.5	3
12	Sugarcane response to polyhalite fertilizer in Brazilian Oxisols. <i>Agronomy Journal</i> , 2020 , 112, 5264-5278	2.2	2
11	Sorghum and black oat forage production and its nutritive value under phosphate levels. <i>Semina: Ciencias Agrarias</i> , 2017 , 38, 429	0.6	2
10	Soil phosphorus fate and its lability after a long-term phosphorus fertilizer strategy in Brazilian Oxisol. <i>Archives of Agronomy and Soil Science</i> , 2020 , 1-14	2	2
9	Map of total phosphorus content in native soils of Brazil. <i>Scientia Agricola</i> , 2021 , 78,	2.5	2
8	Phosphorus Quantification in Sugar Cane (<i>Saccharum officinarum</i>) Leaves In Vivo by Portable X-ray Fluorescence Spectroscopy. <i>ACS Agricultural Science and Technology</i> ,	2	
7	Cover crop species and mycorrhizal colonization on soil phosphorus dynamics. <i>Rhizosphere</i> , 2021 , 19, 100396	3.5	2
6	Phosphorus solubility and dynamics in a tropical soil under sources derived from wastewater and sewage sludge. <i>Journal of Environmental Management</i> , 2022 , 302, 113984	7.9	1
5	Phosphorus acquisition by wheat from organic and inorganic sources labelled with ³² P and ³³ P radioisotopes. <i>Scientia Agricola</i> , 2020 , 77,	2.5	1
4	EL TRATAMIENTO DE SEMILLAS DE MAIZ CON MICRONUTRIENTES AUMENTA EL RENDIMIENTO DE GRANO. <i>Revista Caatinga</i> , 2015 , 28, 86-92	0.6	1
3	Biological and morphological traits of sugarcane roots in relation to phosphorus uptake. <i>Journal of Soil Science and Plant Nutrition</i> , 2016 , 0-0	3.2	1

- 2 Solubility and Efficiency of Rock Phosphate Fertilizers Partially Acidulated with Zeolite and Pillared Clay as Additives. *Agronomy*, **2020**, 10, 918 3.6 o
- 1 Sugarcane Byproduct Influence on Mineral Fertilizer Solubility and Phosphorus Dynamics in the Soil. *Journal of Soil Science and Plant Nutrition*, 1 3.2 o