G Brunetto

List of Publications by Citations

186 papers	2,411 citations	28 h-index	38 g-index
205 ext. papers	3,155 ext. citations	2.9 avg, IF	5 L-index

#	Paper	IF	Citations
186	Copper accumulation in vineyard soils: Rhizosphere processes and agronomic practices to limit its toxicity. *Chemosphere*, **2016**, 162, 293-307	8.4	90
185	Copper uptake, accumulation and physiological changes in adult grapevines in response to excess copper in soil. *Plant and Soil*, **2014**, 374, 593-610	4.2	72
184	Mobility of copper and zinc fractions in fungicide-amended vineyard sandy soils. *Archives of Agronomy and Soil Science*, **2014**, 60, 609-624	2	62
183	THE ROLE OF MINERAL NUTRITION ON YIELDS AND FRUIT QUALITY IN GRAPEVINE, PEAR AND APPLE. *Revista Brasileira De Fruticultura*, **2015**, 37, 1089-1104	1.2	60
182	Reduction of copper phytotoxicity by liming: A study of the root anatomy of young vines (Vitis labrusca L.). *Plant Physiology and Biochemistry*, **2015**, 96, 270-80	5.4	50
181	Nitrogen Nutrition of Fruit Trees to Reconcile Productivity and Environmental Concerns. *Plants*, **2018**, 7,	4.5	50
180	Nutrient release during the decomposition of mowed perennial ryegrass and white clover and its contribution to nitrogen nutrition of grapevine. *Nutrient Cycling in Agroecosystems*, **2011**, 90, 299-308	3.3	49
179	Tolerance and translocation of heavy metals in young grapevine (Vitis vinifera) grown in sandy acidic soil with interaction of high doses of copper and zinc. *Scientia Horticulturae*, **2017**, 222, 203-212	4.1	46
178	Accumulation of phosphorus fractions in typic Hapludalf soil after long-term application of pig slurry and deep pig litter in a no-tillage system. *Nutrient Cycling in Agroecosystems*, **2012**, 93, 215-225	3.3	45
177	Nutrient transfer by runoff under no tillage in a soil treated with successive applications of pig slurry. *Agriculture, Ecosystems and Environment*, **2010**, 139, 689-699	5.7	45
176	Acˆ mulo e formas de cobre e zinco no solo apˆ s aplicaˆ es sucessivas de dejeto lˆ quido de suˆ nos. *Revista Brasileira De Ciencia Do Solo*, **2010**, 34, 955-965	1.5	44
175	The potential of Zea mays L. in remediating copper and zinc contaminated soils for grapevine production. *Geoderma*, **2016**, 262, 52-61	6.7	42
174	Triggered antioxidant defense mechanism in maize grown in soil with accumulation of Cu and Zn due to intensive application of pig slurry. *Ecotoxicology and Environmental Safety*, **2013**, 93, 145-55	7	39
173	Formas de fˆ sforo no solo apˆ s sucessivas adiˆ es de dejeto lˆ quido de suˆ nos em pastagem natural. *Revista Brasileira De Ciencia Do Solo*, **2008**, 32, 1753-1761	1.5	39
172	Fraˆ es de fˆ sforo no solo apˆ s sucessivas aplicaˆ es de dejetos de suˆ nos em plantio direto. *Pesquisa Agropecuaria Brasileira*, **2010**, 45, 593-602	1.8	37
171	Nutrients in soil layers under no-tillage after successive pig slurry applications. *Revista Brasileira De Ciencia Do Solo*, **2013**, 37, 157-167	1.5	35
170	Health risk assessment and soil and plant heavy metal and bromine contents in field plots after ten years of organic and mineral fertilization. *Ecotoxicology and Environmental Safety*, **2018**, 153, 142-150	7	34

169	Soil chemical properties related to acidity under successive pig slurry application. *Revista Brasileira De Ciencia Do Solo*, **2011**, 35, 1827-1836	1.5	34
168	Formas e dessorˆ ◻◻ de cobre em solos cultivados com videira na Serra Gaˆ ◻ha do Rio Grande do Sul. *Revista Brasileira De Ciencia Do Solo*, **2008**, 32, 1479-1487	1.5	34
167	Intercropping of young grapevines with native grasses for phytoremediation of Cu-contaminated soils. *Chemosphere*, **2019**, 216, 147-156	8.4	33
166	Rhizophagus clarus and phosphate alter the physiological responses of Crotalaria juncea cultivated in soil with a high Cu level. *Applied Soil Ecology*, **2015**, 91, 37-47	5	32
165	Synergism and antagonisms between nutrients induced by copper toxicity in grapevine rootstocks: Monocropping vs. intercropping. *Chemosphere*, **2019**, 214, 563-578	8.4	32
164	Interaction between arbuscular mycorrhizal fungi and vermicompost on copper phytoremediation in a sandy soil. *Applied Soil Ecology*, **2015**, 96, 172-182	5	31
163	Soil solution concentrations and chemical species of copper and zinc in a soil with a history of pig slurry application and plant cultivation. *Agriculture, Ecosystems and Environment*, **2016**, 216, 374-386	5.7	31
162	High copper content in vineyard soils promotes modifications in photosynthetic parameters and morphological changes in the root system of 'Red Niagara' plantlets. *Plant Physiology and Biochemistry*, **2018**, 128, 89-98	5.4	30
161	Phosphorus accumulation and pollution potential in a hapludult fertilized with pig manure. *Revista Brasileira De Ciencia Do Solo*, **2012**, 36, 1333-1342	1.5	29
160	Lixiviaˆ ◻◻ e volatilizaˆ ◻◻ de nitrogˆ ◻io em um Argissolo cultivado com videira submetida ˆ ◻ adubaˆ ◻◻ nitrogenada. *Ciencia Rural*, **2012**, 42, 1173-1179	1.3	28
159	Aplicaˆ ◻◻ de nitrogˆ ◻io em videiras na Campanha Gaˆ ◻cha: produtividade e caracterˆ ◻sticas quˆ ◻micas do mosto da uva. *Ciencia Rural*, **2007**, 37, 389-393	1.3	28
158	Depleˆ ◻◻ de formas de potˆ ◻sio do solo afetada por cultivos sucessivos. *Revista Brasileira De Ciencia Do Solo*, **2007**, 31, 1003-1010	1.5	27
157	Physiological and nutritional status of black oat (Avena strigosa Schreb.) grown in soil with interaction of high doses of copper and zinc. *Plant Physiology and Biochemistry*, **2016**, 106, 253-63	5.4	26
156	Carbon, nitrogen and natural abundance of 13 C and 15 N in biogenic and physicogenic aggregates in a soil with 10 years of pig manure application. *Soil and Tillage Research*, **2017**, 166, 52-58	6.5	25
155	Forms and accumulation of copper and zinc in a sandy typic hapludalf soil after long-term application of pig slurry and deep litter. *Revista Brasileira De Ciencia Do Solo*, **2013**, 37, 812-824	1.5	25
154	Soil-applied phosphorous is an effective tool to mitigate the toxicity of copper excess on grapevine grown in rhizobox. *Scientia Horticulturae*, **2018**, 227, 102-111	4.1	25
153	Produˆ ◻◻ e composiˆ ◻◻ quˆ ◻mica da uva de videiras Cabernet Sauvignon submetidas ˆ ◻adubaˆ ◻◻ nitrogenada. *Ciencia Rural*, **2009**, 39, 2035-2041	1.3	24
152	Long-term effect of surface and incorporated liming in the conversion of natural grassland to no-till system for grain production in a highly acidic sandy-loam Ultisol from South Brazilian Campos. *Soil and Tillage Research*, **2018**, 180, 222-231	6.5	22

151	Effects of zinc addition to a copper-contaminated vineyard soil on sorption of Zn by soil and plant physiological responses. *Ecotoxicology and Environmental Safety*, **2016**, 129, 109-19	7	22
150	CARBONO ORGˆ NICO TOTAL E AGREGAˆ D DO SOLO EM SISTEMA DE PLANTIO DIRETO AGROECOLˆ GICO E CONVENCIONAL DE CEBOLA. *Revista Brasileira De Ciencia Do Solo*, **2015**, 39, 1212-1224	1.5	22
149	Pig slurry and nutrient accumulation and dry matter and grain yield in various crops. *Revista Brasileira De Ciencia Do Solo*, **2014**, 38, 949-958	1.5	22
148	Available content, surface runoff and leaching of phosphorus forms in a typic hapludalf treated with organic and mineral nutrient sources. *Revista Brasileira De Ciencia Do Solo*, **2014**, 38, 544-556	1.5	22
147	Fˆ sforo da biomassa microbiana e atividade de fosfatases ˆ cidas durante a diminuiˆ o do fˆ sforo disponˆ vel no solo. *Pesquisa Agropecuaria Brasileira*, **2008**, 43, 1085-1091	1.8	22
146	Fˆ sforo microbiano do solo sob sistema plantio direto em resposta ˆ adiˆ o de fosfato solˆ vel. *Revista Brasileira De Ciencia Do Solo*, **2007**, 31, 563-570	1.5	22
145	Nutrient transfers by leaching in a no-tillage system through soil treated with repeated pig slurry applications. *Nutrient Cycling in Agroecosystems*, **2013**, 95, 115-131	3.3	21
144	Contribution of nitrogen from agricultural residues of rye to â Niagara Rosadaâ grape nutrition. *Scientia Horticulturae*, **2014**, 169, 66-70	4.1	21
143	Liming as an ameliorator of copper toxicity in black oat (Avena strigosa Schreb.). *Journal of Plant Nutrition*, **2017**, 40, 404-416	2.3	20
142	Physical properties and organic carbon content of a Typic Hapludult soil fertilised with pig slurry and pig litter in a no-tillage system. *Soil Research*, **2013**, 51, 459	1.8	20
141	Atributos quˆ micos de Latossolo apˆ s sucessivas aplicaˆ es de composto orgˆ nico de dejeto lˆ quido de suˆ nos. *Pesquisa Agropecuaria Brasileira*, **2016**, 51, 233-242	1.8	20
140	Use of phosphorus fertilization and mycorrhization as strategies for reducing copper toxicity in young grapevines. *Scientia Horticulturae*, **2019**, 248, 176-183	4.1	19
139	The interaction of high copper and zinc doses in acid soil changes the physiological state and development of the root system in young grapevines (Vitis vinifera). *Ecotoxicology and Environmental Safety*, **2018**, 148, 985-994	7	19
138	Black Oat (Avena strigosa Schreb.) Growth and Root Anatomical Changes in Sandy Soil with Different Copper and Phosphorus Concentrations. *Water, Air, and Soil Pollution*, **2016**, 227, 1	2.6	19
137	Biochemical changes in black oat (avena strigosa schreb) cultivated in vineyard soils contaminated with copper. *Plant Physiology and Biochemistry*, **2016**, 103, 199-207	5.4	19
136	Changes in soil acidity and organic carbon in a sandy typic hapludalf after medium-term pig-slurry and deep-litter application. *Revista Brasileira De Ciencia Do Solo*, **2012**, 36, 1620-1628	1.5	19
135	Fragmentation, fiber separation, decomposition, and nutrient release of secondary-forest biomass, mechanically chopped-and-mulched, and cassava production in the Amazon. *Agriculture, Ecosystems and Environment*, **2015**, 204, 8-16	5.7	17
134	Accumulation of copper and zinc fractions in vineyard soil in the mid-western region of Santa Catarina, Brazil. *Environmental Earth Sciences*, **2015**, 73, 6379-6386	2.9	17

133	Iron fertilization to enhance tolerance mechanisms to copper toxicity of ryegrass plants used as cover crop in vineyards. *Chemosphere*, **2020**, 243, 125298	8.4	17
132	Contribution of nitrogen from urea applied at different rates and times on grapevine nutrition. *Scientia Horticulturae*, **2016**, 207, 1-6	4.1	17
131	Accumulation and distribution of copper and zinc in soils following the application of pig slurry for three to thirty years in a microwatershed of southern Brazil. *Archives of Agronomy and Soil Science*, **2016**, 62, 593-616	2	15
130	Nitrogen fertilization affects yield and fruit quality in pear. *Scientia Horticulturae*, **2019**, 258, 108782	4.1	15
129	Destino do nitrogˆ ßio em videiras 'chardonnay' e 'riesling renano' quando aplicado no inchamento das gemas. *Revista Brasileira De Fruticultura*, **2006**, 28, 497-500	1.2	15
128	Nitrogen supply method affects growth, yield and must composition of young grape vines (Vitis vinifera L. cv Alicante Bouschet) in southern Brazil. *Scientia Horticulturae*, **2020**, 261, 108910	4.1	15
127	HEAVY METALS IN VINEYARDS AND ORCHARD SOILS. *Revista Brasileira De Fruticultura*, **2017**, 39,	1.2	14
126	Matˆ †ia seca de plantas de cobertura, produˆ ‡ßo de cebola e atributos quˆ ßmicos do solo em sistema plantio direto agroecolˆ ßgico. *Ciencia Rural*, **2013**, 43, 21-27	1.3	14
125	Potential of vermicompost and limestone in reducing copper toxicity in young grapevines grown in Cu-contaminated vineyard soil. *Chemosphere*, **2019**, 226, 421-430	8.4	13
124	Copper Accumulation and Availability in Sandy, Acid, Vineyard Soils. *Communications in Soil Science and Plant Analysis*, **2017**, 48, 1167-1183	1.5	13
123	THE PEAR TREE RESPONSE TO PHOSPHORUS AND POTASSIUM FERTILIZATION. *Revista Brasileira De Fruticultura*, **2015**, 37, 507-516	1.2	13
122	Effects of Pig Slurry Application and Crops on Phosphorus Content in Soil and the Chemical Species in Solution. *Revista Brasileira De Ciencia Do Solo*, **2015**, 39, 774-787	1.5	13
121	Cover Crops Effects on Soil Chemical Properties and Onion Yield. *Revista Brasileira De Ciencia Do Solo*, **2016**, 40,	1.5	13
120	Nutrition, productivity and soil chemical properties in an apple orchard under weed management. *Nutrient Cycling in Agroecosystems*, **2016**, 104, 247-258	3.3	13
119	Growth and chemical changes in the rhizosphere of black oat (Avena strigosa) grown in soils contaminated with copper. *Ecotoxicology and Environmental Safety*, **2018**, 163, 19-27	7	12
118	The potential of two different Avena sativa L. cultivars to alleviate Cu toxicity. *Ecotoxicology and Environmental Safety*, **2019**, 182, 109430	7	12
117	Forms of phosphorus transfer in runoff under no-tillage in a soil treated with successive swine effluents applications. *Environmental Monitoring and Assessment*, **2015**, 187, 209	3.1	11
116	Spectroscopic quantification of soil phosphorus forms by 31p-nmr after nine years of organic or mineral fertilization. *Revista Brasileira De Ciencia Do Solo*, **2013**, 37, 640-648	1.5	11

115	Biomass decomposition and nutrient release from black oat and hairy vetch residues deposited in a vineyard. *Revista Brasileira De Ciencia Do Solo*, **2014**, 38, 1621-1632	1.5	11
114	Produˆ ◻ō, composiˆ ◻ō da uva e teores de nitrogˆ ōio na folha e no pecˆ ōlo em videiras submetidas ˆ ◻ adubaˆ ◻ō nitrogenada. *Ciencia Rural*, **2008**, 38, 2622-2625	1.3	11
113	Ideal nitrogen concentration in leaves for the production of high-quality grapes cv âAlicante Bouschetâ(Vitis vinifera L.) subjected to modes of application and nitrogen doses. *European Journal of Agronomy*, **2021**, 123, 126200	5	11
112	Soil application of P can mitigate the copper toxicity in grapevine: physiological implications. *Scientia Horticulturae*, **2018**, 238, 400-407	4.1	10
111	Carbon and nitrogen contents and aggregation index of soil cultivated with onion for seven years using crop successions and rotations. *Soil and Tillage Research*, **2018**, 184, 195-202	6.5	10
110	Microbiological and chemical attributes of a Hapludalf soil with swine manure fertilization. *Pesquisa Agropecuaria Brasileira*, **2013**, 48, 774-782	1.8	10
109	Compositional Nutrient Diagnosis (CND) Applied to Grapevines Grown in Subtropical Climate Region. *Horticulturae*, **2020**, 6, 56	2.5	10
108	Soil acidity and aluminum speciation affected by liming in the conversion of a natural pasture from the Brazilian Campos Biome into no-tillage system for grain production. *Archives of Agronomy and Soil Science*, **2020**, 66, 138-151	2	10
107	Nutrient availability in the rhizosphere: a review. *Acta Horticulturae*, **2018**, 13-28	0.3	10
106	Disponibilidade de nitrogˆ ōio de fontes minerais e orgˆ ōicas aplicadas em um Argissolo cultivado com videira. *Revista Ceres*, **2014**, 61, 241-247	0.7	9
105	A Smart and Sustainable Future for Viticulture Is Rooted in Soil: How to Face Cu Toxicity. *Applied Sciences (Switzerland)*, **2021**, 11, 907	2.6	9
104	Nitrogen Availability and Physiological Response of Corn After 12 Years with Organic and Mineral Fertilization. *Journal of Soil Science and Plant Nutrition*, **2020**, 20, 979-989	3.2	8
103	Morphological and kinetic parameters of the uptake of nitrogen forms in clonal peach rootstocks. *Scientia Horticulturae*, **2018**, 239, 205-209	4.1	8
102	Crop response to organic fertilization with supplementary mineral nitrogen. *Revista Brasileira De Ciencia Do Solo*, **2014**, 38, 912-922	1.5	8
101	Aduba ˆ ◻ō nitrogenada em ciclos consecutivos e seu impacto na produˆ ◻ō e na qualidade do pˆ ōsego. *Pesquisa Agropecuaria Brasileira*, **2007**, 42, 1721-1725	1.8	8
100	Composition and mineralization of organic compost derived from composting of fruit and vegetable waste. *Revista Ceres*, **2019**, 66, 307-315	0.7	8
99	Humboldtian Diagnosis of Peach Tree (Prunus persica) Nutrition Using Machine-Learning and Compositional Methods. *Agronomy*, **2020**, 10, 900	3.6	8
98	Effects of Rhizophagus clarus and P availability in the tolerance and physiological response of Mucuna cinereum to copper. *Plant Physiology and Biochemistry*, **2018**, 122, 46-56	5.4	8

97	Physiological responses of rice (L.) loss-of-function plants exposed to varying Zn concentrations. *Physiology and Molecular Biology of Plants*, **2020**, 26, 1349-1359	2.8	7
96	Phosphorus forms in leaves and their relationships with must composition and yield in grapevines. *Pesquisa Agropecuaria Brasileira*, **2017**, 52, 319-327	1.8	7
95	Physiological Changes in Maize Grown in Soil with Copper and Zinc Accumulation Resulting from the Addition of Pig Slurry and Deep Litter over 10 Years. *Water, Air, and Soil Pollution*, **2016**, 227, 1	2.6	7
94	Should Heavy Metals Be Monitored in Foods Derived From Soils Fertilized With Animal Waste?. *Frontiers in Plant Science*, **2018**, 9, 732	6.2	7
93	Feather hydrolysate as a promising nitrogen-rich fertilizer for greenhouse lettuce cultivation. *International Journal of Recycling of Organic Waste in Agriculture*, **2019**, 8, 493-499	3.1	7
92	Phosphorus forms leached in a sandy Typic Hapludalf soil under no-tillage with successive pig slurry applications. *Agricultural Water Management*, **2020**, 242, 106406	5.9	7
91	Short- and long-term effects of animal manures and mineral fertilizer on carbon stocks in subtropical soil under no-tillage. *Geoderma*, **2021**, 386, 114913	6.7	7
90	Copper and zinc distribution and toxicity in âadeâ/ âenovesaâyoung peach tree. *Scientia Horticulturae*, **2020**, 259, 108763	4.1	7
89	Lambs fed with increasing levels of grape pomace silage: Effects on meat quality. *Small Ruminant Research*, **2021**, 195, 106234	1.7	7
88	Structural changes in roots of peach rootstock cultivars grown in soil with high zinc content. *Scientia Horticulturae*, **2018**, 237, 1-10	4.1	6
87	Mineralizaˆ ˆo do nitrogˆ ˆio de plantas de cobertura, solteiras e consorciadas, depositadas sobre um solo com histˆ ˆico de cultivo de cebola. *Revista Ceres*, **2014**, 61, 587-596	0.7	6
86	Interaction between growth strategies and phosphorus use efficiency in grasses from South America natural grasslands. *Revista Ceres*, **2020**, 67, 62-69	0.7	6
85	ANIMAL MANURE AS FERTILIZER: CHANGES IN SOIL ATTRIBUTES, PRODUCTIVITY AND FOOD COMPOSITION. *International Journal of Research -GRANTHAALAYAH*, **2019**, 7, 307-331	0.2	6
84	Kinetic parameters govern of the uptake of nitrogen forms in âPaulsenâand âMagnoliaâgrapevine rootstocks. *Scientia Horticulturae*, **2020**, 264, 109174	4.1	6
83	Nutrient Diagnosis of at the Factor-Specific Level Using Machine Learning and Compositional Methods. *Plants*, **2020**, 9,	4.5	6
82	Forms of nitrogen and phosphorus transfer by runoff in soil under no-tillage with successive organic waste and mineral fertilizers applications. *Agricultural Water Management*, **2021**, 248, 106779	5.9	6
81	Nutritional status, yield and composition of peach fruit subjected to the application of organic compost. *Acta Scientiarum - Agronomy*, **2016**, 38, 103	0.6	6
80	Liming as a means of reducing copper toxicity in black oats. *Ciencia Rural*, **2018**, 48,	1.3	6

79	Copper and Zn distribution in humic substances of soil after 10 years of pig manure application in south of Santa Catarina, Brazil. *Environmental Geochemistry and Health*, **2020**, 42, 3281-3301	4.7	5
78	Contribution of mineral N to young grapevine in the presence or absence of cover crops. *Journal of Soil Science and Plant Nutrition*, **2017**, 17, 570-580	3.2	5
77	Copper and Zinc in Rhizosphere Soil and Toxicity Potential in White Oats (Avena sativa) Grown in Soil with Long-Term Pig Manure Application. *Water, Air, and Soil Pollution*, **2019**, 230, 1	2.6	5
76	Soil Phosphorus Fractions in a Sandy Typic Hapludaft as Affected by Phosphorus Fertilization and Grapevine Cultivation Period. *Communications in Soil Science and Plant Analysis*, **2013**, 44, 1937-1950	1.5	5
75	Aplica ̂ ◻ ̃o foliar de nitrog ̂ ◻ ̃io em videira: avalia ̂ ◻ ̃o do teor na folha e das reservas nitrogenadas e de carboidratos nas gemas dos ramos do ano. *Revista Brasileira De Fruticultura*, **2008**, 30, 1119-1123	1.2	5
74	Residual and immediate effect after 16 applications of organic sources on yield and nitrogen use efficiency in black oat and corn. *Revista Brasileira De Ciencia Do Solo*, **2020**, 44,	1.5	5
73	Morphological, physiological and biochemical traits of Cordia trichotoma under phosphorous application and a water-retaining polymer. *Journal of Forestry Research*, **2021**, 32, 855-865	2	5
72	Plant uptake of legacy phosphorus from soils without P fertilization. *Nutrient Cycling in Agroecosystems*, **2021**, 119, 139-151	3.3	5
71	Photosynthesis and growth of young grapevines intercropped with native grasses in soils contaminated with copper. *Acta Horticulturae*, **2018**, 179-184	0.3	5
70	Organic carbon and nitrogen contents and their fractions in soils with onion crops in different management systems. *Soil Research*, **2018**, 56, 846	1.8	5
69	Distribution and redistribution of phosphorus forms in grapevines. *Scientia Horticulturae*, **2017**, 218, 125-131	4.1	4
68	Lime Protection for Young Vines Exposed to Copper Toxicity. *Water, Air, and Soil Pollution*, **2020**, 231, 1	2.6	4
67	Spatial variation of herbaceous cover species community in Cu-contaminated vineyards in Pampa biome. *Environmental Science and Pollution Research*, **2020**, 27, 13348-13359	5.1	4
66	Vulnerability to contamination by phosphorus in a zero-order basin with a high density of pigs and a history of slurry addition: extrapolation of an index. *Environmental Earth Sciences*, **2018**, 77, 1	2.9	4
65	Application of nitrogen sources on grapevines and effect on yield and must composition. *Revista Brasileira De Fruticultura*, **2013**, 35, 1042-1051	1.2	4
64	Lambs fed with increasing levels of grape pomace silage: Effects on productive performance, carcass characteristics, and blood parameters. *Livestock Science*, **2020**, 240, 104169	1.7	4
63	The copper economy response is partially conserved in rice (Oryza sativa L.). *Plant Physiology and Biochemistry*, **2021**, 158, 113-124	5.4	4
62	Phosphorus fractionation in grasses with different resource-acquisition characteristics in natural grasslands of South America. *Journal of Tropical Ecology*, **2019**, 35, 203-212	1.3	3

61	Dynamics of sulfate and basic cations in soil solution as affected by gypsum fertilization in an Ultisol of Southern Brazil. *Archives of Agronomy and Soil Science*, **2019**, 65, 1998-2012	2	3
60	Impact of Cu concentrations in nutrient solution on growth and physiological and biochemical parameters of beet and cabbage and human health risk assessment. *Scientia Horticulturae*, **2020**, 272, 109558	4.1	3
59	Organic, conventional and hydroponic vegetables: Can 15N natural abundance of farm N inputs differentiate mode of production?. *Scientia Horticulturae*, **2020**, 265, 109219	4.1	3
58	Nitrogen fertilization in the growth phase of 'Chardonnay' and 'Pinot Noir' vines and nitrogen forms in sandy soil of the Pampa Biome. *Revista Ceres*, **2017**, 64, 433-440	0.7	3
57	Rhizophagus Clarus and Phosphorus in Crotalaria juncea: Growth, Glomalin Content and Acid Phosphatase Activity in a Copper-Contaminated Soil. *Revista Brasileira De Ciencia Do Solo*, **2018**, 42,	1.5	3
56	Long-Term Effects of Animal Manures on Nutrient Recovery and Soil Quality in Acid Typic Hapludalf under No-Till Conditions. *Agronomy*, **2022**, 12, 243	3.6	3
55	Plant species and pH dependent responses to copper toxicity. *Environmental and Experimental Botany*, **2022**, 196, 104791	5.9	3
54	Effects of phosphorus fertilizer application on phosphorus fractions in different organs of Cordia trichotoma. *Journal of Forestry Research*, **2021**, 32, 725-732	2	3
53	Accuracy of methods to estimate potential acidity and lime requirement in soils of west region of Santa Catarina. *Ciencia Rural*, **2018**, 48,	1.3	3
52	Yield and must composition of 'Cabernet Sauvignon' grapevines subjected to nitrogen application in soil with high organic matter content. *Idesia*, **2019**, 37, 27-36	1.4	2
51	Use of Swine Manure in Agriculture in Southern Brazil: Fertility or Potential Contamination?		2
50	Morphological and kinetic parameters of the absorption of nitrogen forms for selection of Eucalyptus clones. *Journal of Forestry Research*, **2021**, 32, 1599-1611	2	2
49	Tolerance and phytoremediation potential of grass species native to South American grasslands to copper-contaminated soils. *International Journal of Phytoremediation*, **2021**, 23, 726-735	3.9	2
48	Growth strategies as determinants of CO2 sequestration and response to nitrogen fertilisation in C4 grasses in South American natural grasslands. *Crop and Pasture Science*, **2020**, 71, 776	2.2	2
47	Aggregation, carbon, nitrogen, and natural abundance of 13C and 15N in soils under no-tillage system fertilized with injection and surface application of pig slurry for five years. *Carbon Management*,1-13	3.3	2
46	Soil tillage affects soybean growth and promotes heavy metal accumulation in seeds. *Ecotoxicology and Environmental Safety*, **2021**, 216, 112191	7	2
45	Samples disturbance overestimates phosphorus adsorption capacity in soils under long-term application of pig slurry. *Archives of Agronomy and Soil Science*, **2019**, 65, 1262-1272	2	2
44	Nitrogen fertilization of âCÌhardonnayâ grapevines: yield, must composition and their relationship with temperature and rainfall. *Acta Horticulturae*, **2018**, 451-456	0.3	2

43	Chemical Species and Aluminum Concentration in the Solution of Acid Soils Cultivated with Soybean and Corn under Liming. *Revista Brasileira De Ciencia Do Solo*, **2018**, 42,	1.5	2
42	Weed Emergence in a Soil with Cover Crops in an Agroecological No-Tillage System. *Planta Daninha*, **2018**, 36,	0.7	2
41	Nitrogen availability in an apple orchard with weed management. *Ciencia Rural*, **2018**, 48,	1.3	2
40	Copper and zinc fractions in the profile of an Inceptisol cultivated with apple in southern Brazil. *Bragantia*, **2018**, 77, 333-347	1.2	2
39	Phosphorus accumulation in a southern Brazilian Ultisol amended with pig manure for nine years. *Scientia Agricola*, **2021**, 78,	2.5	2
38	Effectiveness of a rapid soil incubation method for determining potential acidity of soils in Rio Grande do Sul, Brazil. *Ciencia Rural*, **2019**, 49,	1.3	1
37	Nitrous Oxide Emissions in No-Tillage Onion (Allium cepa L.) Crops Are Increased by Oilseed Radish Cover Crop and Poultry Manure Application. *Revista Brasileira De Ciencia Do Solo*, **2019**, 43,	1.5	1
36	Nitrogen supply methods affect the root growth dynamics in Eucalyptus grandis. *Forest Ecology and Management*, **2020**, 473, 118320	3.9	1
35	Diagnosis and management of nutrient constraints in grape **2020**, 693-710		1
34	Potassium fertilization effects on quality, economics, and yield in a pear orchard. *Agronomy Journal*, **2020**, 112, 3065-3075	2.2	1
33	Physiological responses of soybean (Glycine max (L.) Merrill) cultivars to copper excess. *Anais Da Academia Brasileira De Ciencias*, **2019**, 91, e20190121	1.4	1
32	Phosphorus fractions in soil cultivated with vineyards after 62 years of poultry litter addition. *Pesquisa Agropecuaria Brasileira*,54,	1.8	1
31	Root system structure as a criterion for the selection of grapevine genotypes that are tolerant to excess copper and the ability of phosphorus to mitigate toxicity.. *Plant Physiology and Biochemistry*, **2021**, 171, 147-156	5.4	1
30	Yield and must composition of grapevines subjected to phosphate fertilization in Southern Brazil. *Pesquisa Agropecuaria Brasileira*,55,	1.8	1
29	Aggregation index, carbon, nitrogen, and natural abundance of 13C and 15N in soil aggregates and bulk soil cultivated with onion under crop successions and rotations. *Soil Research*, **2020**, 58, 622	1.8	1
28	Common chicory production in aquaponics and in soil fertilized with aquaponic sludge. *Scientia Horticulturae*, **2021**, 281, 109946	4.1	1
27	Natural abundance analysis of the role played by N as indicator for the certification of organic-system deriving food. *Journal of the Science of Food and Agriculture*, **2022**, 102, 330-340	4.3	1
26	Annual and residual urea nitrogen contribution to the nutrition of peach trees (Prunus persica L.) grown under subtropical climate. *Scientia Horticulturae*, **2021**, 284, 110099	4.1	1

25	Increase in phosphorus concentration reduces the toxicity of copper in wheat roots (Triticum aestivum L.). *Journal of Plant Nutrition*,1-14	2.3	1
24	Forms and balance of soil potassium from a long-term integrated crop-livestock system in a subtropical Oxisol. *Soil and Tillage Research*, **2021**, 207, 104864	6.5	1
23	Rice nitrogen uptake as affected by different nitrogen application depths. *Archives of Agronomy and Soil Science*, **2021**, 67, 53-65	2	1
22	Peach rootstock tolerance to excess zinc in sandy acidic soil. *Acta Horticulturae*, **2018**, 75-82	0.3	1
21	Physiological, Biochemical Changes, and Phytotoxicity Remediation in Agricultural Plant Species Cultivated in Soils Contaminated with Copper and Zinc **2018**, 29-76		1
20	Throwing Copper Around: How Plants Control Uptake, Distribution, and Accumulation of Copper. *Agronomy*, **2022**, 12, 994	3.6	1
19	Nitrogen Critical Level in Leaves in âChardonnayâand âPinot Noirâ Grapevines to Adequate Yield and Quality Must. *Agronomy*, **2022**, 12, 1132	3.6	1
18	Kinetic parameters related to nitrogen uptake efficiency of pear trees (Pyrus communis). *Scientia Horticulturae*, **2020**, 272, 109530	4.1	0
17	Aggregation Index and Carbon and Nitrogen Contents in Aggregates of Pasture Soils under Successive Applications of Pig Slurry in Southern Brazil. *Agronomy*, **2022**, 12, 320	3.6	0
16	How do native grasses from South America handle zinc excess in the soil? A physiological approach. *Environmental and Experimental Botany*, **2022**, 195, 104779	5.9	0
15	Effects of nitrogen fertilization on the growth and on photochemical efficiency in plants of Handroanthus heptaphyllus. *Journal of Plant Nutrition*, **2021**, 44, 2464-2475	2.3	0
14	Discrimination of soils managed with different sources of fertilization and plant species in organic and conventional farming through near-infrared spectroscopy and chemometrics. *Journal of the Science of Food and Agriculture*, **2021**, 101, 5938-5947	4.3	0
13	Copper and Zinc fractions and adsorption in sandy soil with long-term pig manure application. *Archives of Agronomy and Soil Science*,1-17	2	0
12	Soil chemical properties and yield of onion crops grown for eight years under no-tillage system with cover crops. *Soil and Tillage Research*, **2021**, 208, 104897	6.5	0
11	Increasing phosphorus concentration in soil as a possible strategy to overcome Cu excess toxicity symptoms. *Acta Horticulturae*, **2018**, 421-426	0.3	0
10	Discriminant analysis in the selection of groups of peach cultivars. *Acta Horticulturae*, **2018**, 335-342	0.3	0
9	Formation of ternary organic acids-Fe-P complexes on the growth of wheat (Triticum aestivum). *Revista Brasileira De Engenharia Agricola E Ambiental*, **2018**, 22, 702-706	0.9	0
8	Morphological and physiological parameters influence the use efficiency of nitrogen and phosphorus by Eucalyptus seedlings. *New Forests*,1	2.6	0

7	Root System Morphology of Ipˆ ÐRoxo Tree Grown in Soil Subjected to Phosphorus Application in Subtropical Climate Region. *Agronomy*, **2021**, 11, 1563	3.6	0
6	Repeated Manure Application for Eleven Years Stimulates Enzymatic Activities and Improves Soil Attributes in a Typic Hapludalf. *Agronomy*, **2021**, 11, 2467	3.6	0
5	Changes in Soil Acidity Attributes in Areas of Municipal Organic Waste Composting, Santa Catarina, Brazil. *International Journal for Innovation Education and Research*, **2020**, 8, 794-806	0.1	
4	PHOSPHORUS AND HEAVY METAL CONTENTS IN SMALL-SCALE COMPOSTING AREAS. *International Journal of Research -GRANTHAALAYAH*, **2020**, 8, 1-14	0.2	
3	Effect of soil P addition on growth, nutritional status and photosynthesis of potted grapevine plants grown under soil copper excess. *Acta Horticulturae*, **2018**, 69-74	0.3	
2	Application of foliar urea to grapevines: productivity and flavour components of grapes. *Australian Journal of Grape and Wine Research*,	2.4	
1	Dynamics of spatial and temporal growth of the root system of grapevine (Vitis vinifera L.) under nitrogen levels in sandy soil in subtropical climate. *Scientia Horticulturae*, **2022**, 303, 111223	4.1	