

# Paulo Cesar Ocheuse Trivelin

## List of Publications by Citations

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172  
papers

3,140  
citations

30  
h-index

44  
g-index

175  
ext. papers

3,498  
ext. citations

2.6  
avg, IF

5.12  
L-index

#	Paper	IF	Citations
172	Nitrogen in sugarcane derived from fertilizer under Brazilian field conditions. <i>Field Crops Research</i> , <b>2011</b> , 121, 29-41	5.5	119
171	Ammonia volatilisation from urease inhibitor-treated urea applied to sugarcane trash blankets. <i>Scientia Agricola</i> , <b>2008</b> , 65, 397-401	2.5	116
170	Mixed-species plantations of <i>Acacia mangium</i> and <i>Eucalyptus grandis</i> in Brazil: 2: Nitrogen accumulation in the stands and biological N <sub>2</sub> fixation. <i>Forest Ecology and Management</i> , <b>2008</b> , 255, 3918-3930	3.9	97
169	Long-term decomposition of sugarcane harvest residues in Sao Paulo state, Brazil. <i>Biomass and Bioenergy</i> , <b>2012</b> , 42, 189-198	5.3	83
168	Management effects on nitrogen recovery in a sugarcane crop grown in Brazil. <i>Geoderma</i> , <b>2003</b> , 116, 235-248	6.7	71
167	Nitrogen Use Efficiency for Sugarcane-Biofuel Production: What Is Next?. <i>Bioenergy Research</i> , <b>2016</b> , 9, 1272-1289	3.1	65
166	Functional specialization of <i>Eucalyptus</i> fine roots: contrasting potential uptake rates for nitrogen, potassium and calcium tracers at varying soil depths. <i>Functional Ecology</i> , <b>2011</b> , 25, 996-1006	5.6	64
165	Impact of sugarcane trash on fertilizer requirements for São Paulo, Brazil. <i>Scientia Agricola</i> , <b>2013</b> , 70, 345-352	2.5	60
164	Bromeliad-living spiders improve host plant nutrition and growth. <i>Ecology</i> , <b>2006</b> , 87, 803-8	4.6	54
163	Decomposição e liberação de nutrientes da palhada de cana-de-açúcar em campo. <i>Pesquisa Agropecuaria Brasileira</i> , <b>1999</b> , 34, 2359-2362	1.8	51
162	Crescimento e acúmulo de nitrogênio em cana-de-açúcar cultivada em solo coberto com palhada. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2001</b> , 36, 1347-1354	1.8	49
161	Evidence of short-term belowground transfer of nitrogen from <i>Acacia mangium</i> to <i>Eucalyptus grandis</i> trees in a tropical planted forest. <i>Soil Biology and Biochemistry</i> , <b>2015</b> , 91, 99-108	7.5	48
160	Root system distribution of sugar cane as related to nitrogen fertilization, evaluated by two methods: monolith and probes. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2009</b> , 33, 601-611	1.5	47
159	Quantifying soil nitrogen mineralization to improve fertilizer nitrogen management of sugarcane. <i>Biology and Fertility of Soils</i> , <b>2013</b> , 49, 893-904	6.1	46
158	Leaching of nutrients from a sugarcane crop growing on an Ultisol in Brazil. <i>Agricultural Water Management</i> , <b>2009</b> , 96, 1443-1448	5.9	46
157	Calibration of a semi-open static collector for determination of ammonia volatilization from nitrogen fertilizers. <i>Communications in Soil Science and Plant Analysis</i> , <b>1999</b> , 30, 389-406	1.5	43
156	Contribution of N from green harvest residues for sugarcane nutrition in Brazil. <i>GCB Bioenergy</i> , <b>2016</b> , 8, 859-866	5.6	42

155	Stalk yield and technological attributes of planted cane as related to nitrogen fertilization. <i>Scientia Agricola</i> , <b>2010</b> , 67, 579-590	2.5	41
154	Perdas do nitrogênio da uréia no sistema solo-planta em dois ciclos de cana-de-açúcar. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2002</b> , 37, 193-201	1.8	40
153	Input of sugarcane post-harvest residues into the soil. <i>Scientia Agricola</i> , <b>2013</b> , 70, 336-344	2.5	39
152	Contribution of fertilizer nitrogen to the total nitrogen extracted by sugarcane under Brazilian field conditions. <i>Nutrient Cycling in Agroecosystems</i> , <b>2015</b> , 101, 241-257	3.3	38
151	Leaching of nitrogen, potassium, calcium and magnesium in a sandy soil cultivated with sugarcane. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2002</b> , 37, 861-868	1.8	38
150	Produtividade da cana-de-açúcar relacionada ao nitrogênio residual da adubação e do sistema radicular. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2007</b> , 42, 249-256	1.8	38
149	In situ <sup>13</sup> C pulse labelling of field-grown eucalypt trees revealed the effects of potassium nutrition and throughfall exclusion on phloem transport of photosynthetic carbon. <i>Tree Physiology</i> , <b>2016</b> , 36, 6-21	4.2	37
148	N natural abundance in plants of the Amazon River floodplain and potential atmospheric N fixation. <i>Oecologia</i> , <b>1992</b> , 90, 591-596	2.9	37
147	Manejo de nitrogênio no milho sob plantio direto com diferentes plantas de cobertura, em Latossolo Vermelho. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2006</b> , 41, 477-486	1.8	34
146	Urea and sugarcane straw nitrogen balance in a soil-sugarcane crop system. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2005</b> , 40, 689-695	1.8	33
145	Fitomassa de raízes e da parte aérea da cana-de-açúcar relacionada à adubação nitrogenada de plantio. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2009</b> , 44, 398-405	1.8	32
144	Contribution of nitrogen from sugarcane harvest residues and urea for crop nutrition. <i>Scientia Agricola</i> , <b>2013</b> , 70, 313-320	2.5	31
143	Aproveitamento do nitrogênio (15N) da crotalã e do milho pelo milho sob plantio direto em Latossolo Vermelho de Cerrado. <i>Ciencia Rural</i> , <b>2006</b> , 36, 739-746	1.3	31
142	Ammonia losses following surface application of enhanced-efficiency nitrogen fertilizers and urea. <i>Atmospheric Environment</i> , <b>2019</b> , 203, 242-251	5.3	30
141	Manejo da adubação nitrogenada e utilização do nitrogênio (15N) pelo milho em Latossolo Vermelho. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2008</b> , 32, 161-171	1.5	30
140	Nutrient leaching in an Ultisol cultivated with sugarcane. <i>Agricultural Water Management</i> , <b>2015</b> , 148, 141-149	5.9	29
139	Aerobic rice system improves water productivity, nitrogen recovery and crop performance in Brazilian weathered lowland soil. <i>Field Crops Research</i> , <b>2018</b> , 218, 59-68	5.5	26
138	Utilization of nitrogen from green manure and mineral fertilizer by sugarcane. <i>Scientia Agricola</i> , <b>2005</b> , 62, 534-542	2.5	26

137	Nitrogen fixation rate of <i>Acacia mangium</i> Wild at mid rotation in Brazil is higher in mixed plantations with <i>Eucalyptus grandis</i> Hill ex Maiden than in monocultures. <i>Annals of Forest Science</i> , <b>2018</b> , 75, 1	3.1	25
136	Mineralisation and sorption of dissolved organic nitrogen compounds in litter and soil from sugarcane fields. <i>Soil Biology and Biochemistry</i> , <b>2016</b> , 103, 522-532	7.5	25
135	Components of the water balance in soil with sugarcane crops. <i>Agricultural Water Management</i> , <b>2011</b> , 102, 1-7	5.9	25
134	Recovery of Nitrogen ( <sup>15</sup> N) by Sugarcane from Previous Crop Residues and Urea Fertilisation Under a Minimum Tillage System. <i>Sugar Tech</i> , <b>2011</b> , 13, 42-46	1.9	25
133	Produtividade da cana-de-açúcar relacionada à localização de adubos nitrogenados aplicados sobre os resíduos culturais em canavial sem queima. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2007</b> , 31, 491-498	1.5	25
132	Produtividade da cana-de-açúcar após o cultivo de leguminosas. <i>Bragantia</i> , <b>2011</b> , 70, 810-818	1.2	24
131	Stalk and sucrose yield in response to nitrogen fertilization of sugarcane under reduced tillage. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2013</b> , 48, 88-96	1.8	23
130	Aproveitamento pela cana-de-açúcar da adubação nitrogenada de plantio. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2008</b> , 32, 2763-2770	1.5	23
129	Utilização de nitrogênio e produtividade da cana-de-açúcar (cana-planta) em solo arenoso com incorporação de resíduos da cultura. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2002</b> , 26, 637-646	1.5	23
128	Degradação da palhada de cana-de-açúcar. <i>Scientia Agricola</i> , <b>1999</b> , 56, 803-809	2.5	23
127	Nitrogen use efficiency and nutrient partitioning in maize as affected by blends of controlled-release and conventional urea. <i>Archives of Agronomy and Soil Science</i> , <b>2018</b> , 64, 1944-1962	2	22
126	<sup>15</sup> N-labeled nitrogen from green manure and ammonium sulfate utilization by the sugarcane ratoon. <i>Scientia Agricola</i> , <b>2011</b> , 68, 361-368	2.5	22
125	Balancço do nitrogênio da uréia ( <sup>15</sup> N) no sistema solo-planta na implantação da semeadura direta na cultura do milho. <i>Bragantia</i> , <b>2006</b> , 65, 477-486	1.2	22
124	Influence of Nitrogen Form Supply on Soil Mineral Nitrogen Dynamics, Nitrogen Uptake, and Productivity of Sugarcane. <i>Agronomy Journal</i> , <b>2015</b> , 107, 641-650	2.2	21
123	Contribution of nitrogen from agricultural residues of rye to Niagara Rosada grape nutrition. <i>Scientia Horticulturae</i> , <b>2014</b> , 169, 66-70	4.1	21
122	Ammonia losses estimated by an open collector from urea applied to sugarcane straw. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2012</b> , 36, 411-419	1.5	21
121	Nitrogen fertilizer leaching in an Oxisol cultivated with sugarcane. <i>Scientia Agricola</i> , <b>2011</b> , 68, 86-93	2.5	21
120	Soil nitrogen availability indices as predictors of sugarcane nitrogen requirements. <i>European Journal of Agronomy</i> , <b>2017</b> , 89, 25-37	5	20

119	Mineralizaç�o da palhada e crescimento de ra�zes de cana-de-a�car relacionados com a aduba�o nitrogenada de plantio. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2008</b> , 32, 2757-2762	1.5	20
118	Nitrogen loss in <i>Brachiaria decumbens</i> after application of glyphosate or glufosinate-ammonium. <i>Scientia Agricola</i> , <b>2008</b> , 65, 402-407	2.5	20
117	Nitrogen recovery and loss in a fertilized elephant grass pasture. <i>Grass and Forage Science</i> , <b>2004</b> , 59, 80-90	2.3	20
116	Fertiliza�o com N e S na recupera�o de pastagem de <i>Brachiaria brizantha</i> cv. Marandu em neossolo quartzar�nico. <i>Revista Brasileira De Zootecnia</i> , <b>2005</b> , 34, 1121-1129	1.2	20
115	Nitrog�nio proveniente da aduba�o nitrogenada e de res�duos culturais na nutri�o da cana-planta. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2011</b> , 46, 287-293	1.8	20
114	Nutrient Partitioning and Stoichiometry in Unburnt Sugarcane Ratoon at Varying Yield Levels. <i>Frontiers in Plant Science</i> , <b>2016</b> , 7, 466	6.2	20
113	Sulfur isotope ratio (34S:32S) measurements in plant material by inductively coupled plasma mass spectrometry. <i>Journal of Analytical Atomic Spectrometry</i> , <b>1998</b> , 13, 1065-1067	3.7	19
112	The Use of Stable Isotopes in Studies of Nutrient Cycling: Carbon Isotope Composition of Amazon Varzea Sediments. <i>Biotropica</i> , <b>1992</b> , 24, 240	2.3	19
111	Quantifica�o de ra�zes metabolicamente ativas de cana-de-a�car. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2006</b> , 41, 1007-1013	1.8	19
110	Perda de am�nia por volatiliza�o em pastagem de capim-tanz�nia adubada com ur�ia no ver�o. <i>Revista Brasileira De Zootecnia</i> , <b>2004</b> , 33, 2240-2247	1.2	19
109	Spatial variation in the strength of mutualism between a jumping spider and a terrestrial bromeliad: Evidence from the stable isotope 15N. <i>Acta Oecologica</i> , <b>2008</b> , 33, 380-386	1.7	18
108	Utiliza�o do nitrog�nio da palha de milho e de adubos verdes pela cultura do milho. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2008</b> , 32, 2853-2861	1.5	18
107	Volatilization of Ammonia Derived from Fertilizer and Its Reabsorption by Coffee Plants. <i>Communications in Soil Science and Plant Analysis</i> , <b>2007</b> , 38, 1741-1751	1.5	18
106	Influence of nitrate - ammonium ratio on the growth, nutrition, and metabolism of sugarcane. <i>Plant Physiology and Biochemistry</i> , <b>2019</b> , 139, 246-255	5.4	17
105	Chloride ion as nitrification inhibitor and its biocidal potential in soils. <i>Soil Biology and Biochemistry</i> , <b>2014</b> , 72, 84-87	7.5	17
104	Determining a critical nitrogen dilution curve for sugarcane. <i>Journal of Plant Nutrition and Soil Science</i> , <b>2013</b> , 176, 712-723	2.3	17
103	Recupera�o do nitrog�nio (15N) da ur�ia e da palhada por soqueira de cana-de-a�car ( <i>Saccharum spp.</i> ). <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2003</b> , 27, 621-630	1.5	17
102	Fate of 15N fertilizer applied to maize in rotation with tropical forage grasses. <i>Field Crops Research</i> , <b>2019</b> , 238, 35-44	5.5	16

101	Biomass and Nutrient Content by Sugarcane as Affected by Fertilizer Nitrogen Sources. <i>Crop Science</i> , <b>2016</b> , 56, 1234-1244	2.4	16
100	Mineral nitrogen forms alter 14C-glucose mineralisation and nitrogen transformations in litter and soil from two sugarcane fields. <i>Applied Soil Ecology</i> , <b>2016</b> , 107, 154-161	5	16
99	Liming and fertilization to restore degraded <i>Brachiaria decumbens</i> pastures grown on an entisol. <i>Scientia Agricola</i> , <b>2003</b> , 60, 125-131	2.5	16
98	Growth, development, and fertilizer-15N recovery by the coffee plant. <i>Scientia Agricola</i> , <b>2007</b> , 64, 541-547	5	16
97	Fertilization increases the functional specialization of fine roots in deep soil layers for young <i>Eucalyptus grandis</i> trees. <i>Forest Ecology and Management</i> , <b>2019</b> , 431, 6-16	3.9	16
96	Preferential ammonium uptake by sugarcane does not increase the 15N recovery of fertilizer sources. <i>Plant and Soil</i> , <b>2018</b> , 429, 253-269	4.2	16
95	New methods to quantify NH <sub>3</sub> volatilization from fertilized surface soil with urea. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2011</b> , 35, 133-140	1.5	15
94	Eficiência da fertilização nitrogenada com uréia (15N) em <i>Brachiaria brizantha</i> cv. Marandu associada ao parcelamento de superfosfato simples e cloreto de potássio. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2003</b> , 27, 613-620	1.5	15
93	Nitrogen dynamics in a soil-sugar cane system. <i>Scientia Agricola</i> , <b>2000</b> , 57, 467-472	2.5	15
92	Residual recovery and yield performance of nitrogen fertilizer applied at sugarcane planting. <i>Scientia Agricola</i> , <b>2015</b> , 72, 528-534	2.5	14
91	Nitrogen fertilization (15NH <sub>4</sub> NO <sub>3</sub> ) of palisadegrass and residual effect on subsequent no-tillage corn. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2014</b> , 38, 1457-1468	1.5	14
90	Herbicide application increases nitrogen (15N) exudation and root detachment of <i>Brachiaria decumbens</i> Stapf. <i>Plant and Soil</i> , <b>2010</b> , 334, 511-519	4.2	14
89	Nitrogen supply to corn from sunn hemp and velvet bean green manures. <i>Scientia Agricola</i> , <b>2009</b> , 66, 386-394	2.5	14
88	Imobilização de nitrogênio da uréia e do sulfato de amônio aplicado em pré-plantio ou cobertura na cultura de milho, no sistema plantio direto. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2005</b> , 29, 215-226	1.5	14
87	Absorption of 15NH <sub>3</sub> volatilized from urea by Citrus trees. <i>Plant and Soil</i> , <b>2013</b> , 365, 283-290	4.2	13
86	Incubation methods for assessing mineralizable nitrogen in soils under sugarcane. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2013</b> , 37, 450-461	1.5	13
85	Crop rotation biomass and arbuscular mycorrhizal fungi effects on sugarcane yield. <i>Scientia Agricola</i> , <b>2010</b> , 67, 692-701	2.5	13
84	Balanced nitrogen (15N) from urea in components of a pasture of <i>capim-marandu</i> under different calving periods. <i>Revista Brasileira De Zootecnia</i> , <b>2007</b> , 36, 1982-1989	1.2	13

83	Transforma <sup>ç</sup> ões do nitrog <sup>ê</sup> nio proveniente de mucuna-preta e ur <sup>ê</sup> ia utilizados como adubo na cultura do milho. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2003</b> , 38, 1427-1433	1.8	13
82	Sugarcane Response to Boron and Zinc in Southeastern Brazil. <i>Sugar Tech</i> , <b>2011</b> , 13, 86-95	1.9	11
81	Ammonium chloride as nitrogen source in sugarcane harvested without burning. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2010</b> , 34, 1165-1174	1.5	11
80	Influ <sup>ê</sup> ncia do etil-trinexapac no ac <sup>ê</sup> mulho, na distribui <sup>ç</sup> ão de nitrog <sup>ê</sup> nio (15N) e na massa de gr <sup>ãos</sup> de arroz de terras altas. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2007</b> , 31, 1487-1496	1.5	11
79	Nitrogen-15 labeling of Crotalaria juncea green manure. <i>Scientia Agricola</i> , <b>2003</b> , 60, 181-184	2.5	11
78	Efici <sup>ê</sup> ncia agron <sup>ôm</sup> ica de adubos nitrogenados em soqueira de cana-de-a <sup>ç</sup> úcar colhida sem queima. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2012</b> , 47, 1681-1690	1.8	10
77	Nitrogen(15N) loss in the soil-plant system after herbicide application on Pennisetum glaucum. <i>Plant and Soil</i> , <b>2010</b> , 328, 245-252	4.2	10
76	Utiliza <sup>ç</sup> ão de nitrog <sup>ê</sup> nio pelo trigo cultivado em solo fertilizado com adubo verde (Crotalaria juncea) e/ou ur <sup>ê</sup> ia. <i>Ciencia Rural</i> , <b>2005</b> , 35, 284-289	1.3	10
75	Understanding N timing in corn yield and fertilizer N recovery: An insight from an isotopic labeled-N determination. <i>PLoS ONE</i> , <b>2018</b> , 13, e0192776	3.7	10
74	Nitrogen mineralization in soils amended with sunnhemp, velvet bean and common bean residues. <i>Scientia Agricola</i> , <b>2003</b> , 60, 133-137	2.5	10
73	Impact of Nitrogen and Sulphur Fertilisers on Yield and Quality of Sugarcane Plant Crop. <i>Sugar Tech</i> , <b>2013</b> , 15, 424-428	1.9	9
72	N transfer from green manures to lettuce N in an intercropping cultivation system. <i>Acta Scientiarum - Agronomy</i> , <b>2011</b> , 33,	0.6	9
71	RADICULAR UPTAKE KINETICS OF <sup>15</sup> NO <sup>3</sup> -, CO( <sup>15</sup> NH <sub>2</sub> ) <sub>2</sub> , AND <sup>15</sup> NH <sub>4</sub> <sup>+</sup> IN WHOLE RICE PLANTS. <i>Journal of Plant Nutrition</i> , <b>2001</b> , 24, 1695-1710	2.3	9
70	T <sup>É</sup> CNICA PARA MARCA <sup>Ç</sup> ÃO DOS ADUBOS VERDES CROTAL <sup>Á</sup> RIA J <sup>Ú</sup> NCEA E MUCUNA-PRETA COM <sup>15</sup> N PARA ESTUDOS DE DIN <sup>ÂM</sup> ICA DO NITROG <sup>Ê</sup> NIO. <i>Bragantia</i> , <b>1997</b> , 56, 219-224	1.2	9
69	Absor <sup>ç</sup> ão de nitrog <sup>ê</sup> nio nativo do solo pelo milho sob plantio direto em sucess <sup>ã</sup> o a plantas de cobertura. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2006</b> , 30, 723-732	1.5	9
68	Recupera <sup>ç</sup> ão do nitrog <sup>ê</sup> nio das fontes sulfato e nitrato de am <sup>ônio</sup> pelo milho em sistema semeadura direta. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2008</b> , 43, 123-130	1.8	8
67	Organic sulfur oxidation to sulfate in soil samples for total sulfur determination by turbidimetry. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2008</b> , 32, 2547-2553	1.5	8
66	Marca <sup>ç</sup> ão de fitomassa de cana-de-a <sup>ç</sup> úcar com aplica <sup>ç</sup> ão de solu <sup>ç</sup> ão de ur <sup>ê</sup> ia marcada com <sup>15</sup> N. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2007</b> , 42, 851-857	1.8	8



65	Leaf anatomy and carbon isotope composition in Coffea species related to photosynthetic pathway. <i>Brazilian Journal of Plant Physiology</i> , <b>2003</b> , 15, 19-24		8
64	Produção de sulfato de amônio duplamente marcado com os isótopos estáveis 15N e 34S. <i>Química Nova</i> , <b>2005</b> , 28, 211-216	1.6	8
63	Achado de macronutrientes em cana-de-açúcar em função da adubação nitrogenada e dos resíduos culturais incorporados ao solo no plantio. <i>Bragantia</i> , <b>2007</b> , 66, 669-674	1.2	8
62	Absorção foliar pelo capim-tanzânia da amônia volatilizada do 15N-ureia aplicado ao solo. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2009</b> , 33, 103-108	1.5	8
61	15N-Urea Efficiency in Maize as Influenced by Humic Substances and Urease Inhibitors Treatments. <i>Communications in Soil Science and Plant Analysis</i> , <b>2019</b> , 50, 198-208	1.5	8
60	Corn grain yield and 15N-fertilizer recovery as a function of urea sidedress timing. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2018</b> , 90, 3299-3312	1.4	8
59	Placement Effect of Controlled-release and Conventional Urea Blend in Maize. <i>Communications in Soil Science and Plant Analysis</i> , <b>2019</b> , 50, 2321-2329	1.5	7
58	Effect of nitrogen rates applying controlled-release and conventional urea blend in maize. <i>Journal of Plant Nutrition</i> , <b>2019</b> , 42, 2199-2208	2.3	7
57	Uptake and allocation of nitrogen applied at low rates to soybean leaves. <i>Plant and Soil</i> , <b>2015</b> , 393, 83-94.	4.2	7
56	Nitrogen fertilizer effects on sugarcane growth, nutritional status, and productivity in tropical acid soils. <i>Nutrient Cycling in Agroecosystems</i> , <b>2020</b> , 117, 367-382	3.3	7
55	Achado de nitrogênio (15N) pelos grãos de milho em função da fonte nitrogenada em Latossolo Vermelho. <i>Bragantia</i> , <b>2009</b> , 68, 463-472	1.2	7
54	Fate of 15N-urea applied to wheat-soybean succession crop. <i>Bragantia</i> , <b>2004</b> , 63, 265-274	1.2	7
53	Palisadegrass effects on N fertilizer dynamic in intercropping systems with corn. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2017</b> , 89, 1917-1923	1.4	6
52	Fertigated Sugarcane Yield and Carbon Isotope Discrimination ( $\delta^{13}C$ ) Related to Nitrogen Nutrition. <i>Sugar Tech</i> , <b>2016</b> , 18, 391-400	1.9	6
51	The 15N isotope to evaluate fertilizer nitrogen absorption efficiency by the coffee plant. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2007</b> , 79, 767-76	1.4	6
50	Utilização do nitrogênio (15N) residual de coberturas de solo e da uréia pela cultura do milho. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2006</b> , 30, 965-974	1.5	6
49	Sulfur utilization by rice and Crotalaria juncea from sulfate - 34S applied to the soil. <i>Scientia Agricola</i> , <b>2002</b> , 59, 205-207	2.5	6
48	Recuperação de 15N-ureia no sistema solo-planta de pastagem de capim-tanzânia. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2009</b> , 33, 95-101	1.5	6



47	Acúmulo de nutrientes e destino do nitrogênio (15N) aplicado em pomar jovem de laranjeira. <i>Revista Brasileira De Fruticultura</i> , <b>2007</b> , 29, 600-605	1.2	6
46	Recovery of 15N fertilizer in intercropped maize, grass and legume and residual effect in black oat under tropical conditions. <i>Agriculture, Ecosystems and Environment</i> , <b>2021</b> , 310, 107226	5.7	6
45	Changes in Biological Nitrogen Fixation and Natural-Abundance N Isotopes of Sugarcane Under Molybdenum Fertilization. <i>Sugar Tech</i> , <b>2019</b> , 21, 925-935	1.9	5
44	NITROGEN LOSS BY EROSION FROM MECHANICALLY TILLED AND UNTILLED SOIL UNDER SUCCESSIVE SIMULATED RAINFALLS. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2015</b> , 39, 1204-1211	1.5	5
43	Utilization of Boron (10B) derived from fertilizer by sugar cane. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2009</b> , 33, 1667-1674	1.5	5
42	Parcelamento da adubação nitrogenada na cultura do milho e utilização do N residual pela sucessão aveia preta-milho. <i>Ciencia Rural</i> , <b>2008</b> , 38, 1138-1141	1.3	5
41	Leaching Methods Can Underestimate Mineralization Potential of Soils. <i>Communications in Soil Science and Plant Analysis</i> , <b>2016</b> , 47, 1701-1708	1.5	5
40	Effect of previous soil management on sugarcane response to nitrogen fertilization. <i>Scientia Agricola</i> , <b>2019</b> , 76, 72-81	2.5	5
39	Nitrogen source contribution in sugarcane-inoculated plants with diazotrophic bacterias under urea-N fertigation management. <i>Sugar Tech</i> , <b>2019</b> , 21, 462-470	1.9	5
38	Fertilizer Nitrogen and Corn Plants: Not all Volatilized Ammonia is Lost. <i>Agronomy Journal</i> , <b>2018</b> , 110, 1111-1118	2.2	5
37	MINERALIZATION AND CORN RECOVERY OF 15NITROGEN FROM BLACK OATS RESIDUES TREATED WITH HERBICIDES. <i>Journal of Plant Nutrition</i> , <b>2012</b> , 35, 1830-1842	2.3	4
36	Estado nutricional da cultura de cana-de-açúcar (cana-planta) em experimentos com 15N. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2009</b> , 33, 1919-1927	1.5	4
35	Redistribution of the nitrogen reserves of 15N-enriched stem cuttings and dinitrogen fixed by 90-day-old sugarcane plants. <i>Plant and Soil</i> , <b>1988</b> , 108, 275-279	4.2	4
34	Nitrogen Fertilization Management with Blends of Controlled-Release and Conventional Urea Affects Common Bean Growth and Yield during Mild Winters in Brazil. <i>Agronomy</i> , <b>2020</b> , 10, 1935	3.6	4
33	Root extracts of <i>Brachiaria humidicola</i> and <i>Saccharum spontaneum</i> to increase N use by sugarcane. <i>Scientia Agricola</i> , <b>2016</b> , 73, 34-42	2.5	4
32	Grain yield, efficiency and the allocation of foliar N applied to soybean canopies. <i>Scientia Agricola</i> , <b>2019</b> , 76, 305-310	2.5	3
31	Herbicides Increase Emission of Ammonia by Pearl Millet and Congo Grass. <i>Agronomy Journal</i> , <b>2017</b> , 109, 1232-1239	2.2	3
30	Perda de nitrogênio pela parte aérea de plantas de trigo. <i>Ciencia Rural</i> , <b>2006</b> , 36, 1106-1111	1.3	3

29	Produção de amônia anidra e aquamônia enriquecida em 15N a partir de (15NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> . <i>Scientia Agricola</i> , <b>2002</b> , 59, 595-603	2.5	3
28	Sulfato de amônio e uréia em cobertura no milho em semeadura direta no Cerrado. <i>Revista Ceres</i> , <b>2010</b> , 57, 817-824	0.7	3
27	Perda de nitrogênio pela <i>Brachiaria decumbens</i> após a antese: relação com a umidade do solo. <i>Ciencia Rural</i> , <b>2008</b> , 38, 96-102	1.3	3
26	15N-Fertilizer Recovery in Maize as an Additional Strategy for Understanding Nitrogen Fertilization Management with Blends of Controlled-Release and Conventional Urea. <i>Agronomy</i> , <b>2020</b> , 10, 1932	3.6	3
25	Nitrogen recovery efficiency for corn intercropped with palisade grass. <i>Bragantia</i> , <b>2018</b> , 77, 557-566	1.2	3
24	Nitrogen transfer from green manure to organic cherry tomato in a greenhouse intercropping system. <i>Journal of Plant Nutrition</i> , <b>2020</b> , 43, 1119-1135	2.3	2
23	Isotope Separation of Nitrogen by Ion Exchange Chromatography in a Cascade System. <i>Solvent Extraction and Ion Exchange</i> , <b>2013</b> , 31, 743-762	2.5	2
22	Aproveitamento pelo trigo do nitrogênio residual da crotalária ( <i>Crotalaria juncea</i> ) e da uréia aplicado ao solo em cultivo precedente. <i>Ciencia Rural</i> , <b>2009</b> , 39, 1715-1720	1.3	2
21	Transporte do 15N e produtividade do tomateiro enxertado irrigado com água carbonatada. <i>Horticultura Brasileira</i> , <b>2007</b> , 25, 77-81	0.9	2
20	Enxertia e água de irrigação carbonatada no transporte de 15N e na produção do tomateiro. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , <b>2007</b> , 11, 374-379	0.9	2
19	Fate of nitrogen (15N) from velvet bean in the soil-plant system. <i>Scientia Agricola</i> , <b>2004</b> , 61, 210-215	2.5	2
18	Reciclagem de cobre proveniente de analisador automático de carbono e nitrogênio. <i>Quimica Nova</i> , <b>2002</b> , 25, 312-315	1.6	2
17	Biological N Fixation and N Transfer in an Intercropping System between Legumes and Organic Cherry Tomatoes in Succession to Green Corn. <i>Agriculture (Switzerland)</i> , <b>2021</b> , 11, 690	3	2
16	Sugarcane straw preservation results in limited immobilization and improves crop N-fertilizer recovery. <i>Biomass and Bioenergy</i> , <b>2021</b> , 144, 105889	5.3	2
15	Closing the nitrogen budget of intercropped maize and palisadegrass. <i>European Journal of Agronomy</i> , <b>2020</b> , 119, 126093	5	1
14	Disponibilidade hídrica relacionada ao conteúdo de nitrogênio e produtividade da alfafa ( <i>Medicago sativa</i> L.). <i>Revista Brasileira De Zootecnia</i> , <b>2003</b> , 32, 1275-1286	1.2	1
13	Co-addition of humic substances and humic acids with urea enhances foliar nitrogen use efficiency in sugarcane (L.). <i>Heliyon</i> , <b>2020</b> , 6, e05100	3.6	1
12	Nitrogen Fertilizer Recovery and Partitioning Related to Soybean Yield. <i>Journal of Soil Science and Plant Nutrition</i> , <b>2020</b> , 20, 2566-2578	3.2	1

11	Nitrogen accumulated and biologically fixed by uninoculated <i>Anadenanthera peregrina</i> (L.) Speg trees under monospecific stands in the Atlantic Forest biome. <i>Revista Brasileira De Botanica</i> , <b>2021</b> , 44, 503	1.2	1
10	Emissions of ammonia following glyphosate application on <i>Urochloa decumbens</i> . <i>Plant, Soil and Environment</i> , <b>2016</b> , 62, 467-473	2.2	0
9	Mineralização do nitrogênio da palhada de milho dessecado com herbicidas. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2009</b> , 33, 925-934	1.5	0
8	Yield and nutrient concentrations of organic cherry tomatoes and legumes grown in intercropping systems in rotation with maize. <i>Biological Agriculture and Horticulture</i> , 1-19	1.6	0
7	Effects of N Application Rate and Dicyandiamide on the Fate of <sup>15</sup> N Fertilizer and the Abundance of Microbial Genes in a Sandy Soil Amended with Sugarcane Litter. <i>Journal of Soil Science and Plant Nutrition</i> , 1	3.2	0
6	Feasibility of early fertilization of maize with <sup>15</sup> N application to preceding cover crop. <i>European Journal of Agronomy</i> , <b>2022</b> , 135, 126485	5	0
5	Exploring the forestry potential of two legume species with contrasting ecological strategies in a seasonally dry tropical region. <i>Trees - Structure and Function</i> , 1	2.6	0
4	Tamanho da parcela para estudos de recuperação de fertilizante- <sup>15</sup> N por capim-tanzânia. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2009</b> , 33, 363-370	1.5	
3	Nitrogen <sup>15</sup> abundance in protein fractions of beans fertilized with (15NH <sub>4</sub> ) <sub>2</sub> SO <sub>4</sub> . <i>Scientia Agricola</i> , <b>2002</b> , 59, 777-780	2.5	
2	Soil N Losses by Denitrification Evaluated Using the <sup>15</sup> N Tracer Method. <i>Communications in Soil Science and Plant Analysis</i> , <b>2016</b> , 47, 1709-1719	1.5	
1	Methods to quantify the nitrogen derived from the fertilizer in maize applying blends of controlled-release and NBPT-treated urea. <i>Journal of Plant Nutrition</i> , 1-11	2.3	