

Stephen Arthur Prior

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

161
papers

3,963
citations

34
h-index

58
g-index

168
ext. papers

4,369
ext. citations

3.6
avg, IF

5.22
L-index

#	Paper	IF	Citations
161	Control of yellow and purple nutsedge in elevated CO ₂ environments with glyphosate and halosulfuron. <i>Frontiers in Plant Science</i> , 2015 , 6, 1	6.2	552
160	Elevated CO ₂ and plant structure: a review. <i>Global Change Biology</i> , 1999 , 5, 807-837	11.4	299
159	Root to shoot ratio of crops as influenced by CO ₂ . <i>Plant and Soil</i> , 1995 , 187, 229-248	4.2	170
158	An evaluation of cassava, sweet potato and field corn as potential carbohydrate sources for bioethanol production in Alabama and Maryland. <i>Biomass and Bioenergy</i> , 2009 , 33, 1503-1508	5.3	136
157	Effects of elevated carbon dioxide and increased temperature on methane and nitrous oxide fluxes: evidence from field experiments. <i>Frontiers in Ecology and the Environment</i> , 2012 , 10, 520-527	5.5	136
156	Drought in the Southern United States over the 20th century: variability and its impacts on terrestrial ecosystem productivity and carbon storage. <i>Climatic Change</i> , 2012 , 114, 379-397	4.5	90
155	Global ammonia emissions from synthetic nitrogen fertilizer applications in agricultural systems: Empirical and process-based estimates and uncertainty. <i>Global Change Biology</i> , 2019 , 25, 314-326	11.4	75
154	Free-air CO ₂ enrichment effects on soil carbon and nitrogen. <i>Agricultural and Forest Meteorology</i> , 1994 , 70, 103-116	5.8	72
153	Tissue chemistry and carbon allocation in seedlings of <i>Pinus palustris</i> subjected to elevated atmospheric CO ₂ and water stress. <i>Tree Physiology</i> , 1999 , 19, 329-335	4.2	70
152	Effects of free-air CO ₂ enrichment on cotton root growth. <i>Agricultural and Forest Meteorology</i> , 1994 , 70, 69-86	5.8	67
151	Long-Term Tillage and Poultry Litter Impacts Soil Carbon and Nitrogen Mineralization and Fertility. <i>Soil Science Society of America Journal</i> , 2010 , 74, 1239-1247	2.5	66
150	Effects of nitrogen and water limitation and elevated atmospheric CO ₂ on ectomycorrhiza of longleaf pine. <i>New Phytologist</i> , 1997 , 137, 681-689	9.8	66
149	Review of elevated atmospheric CO ₂ effects on agro-ecosystems: residue decomposition processes and soil C storage. <i>Plant and Soil</i> , 2000 , 224, 59-73	4.2	65
148	Effects of atmospheric CO ₂ on longleaf pine: productivity and allocation as influenced by nitrogen and water. <i>Tree Physiology</i> , 1997 , 17, 397-405	4.2	59
147	Soil Microbial Community Dynamics as Influenced by Composted Dairy Manure, Soil Properties, and Landscape Position. <i>Soil Science</i> , 2010 , 175, 474-486	0.9	55
146	Elevated atmospheric CO ₂ differentially affects needle chloroplast ultrastructure and phloem anatomy in <i>Pinus palustris</i> : interactions with soil resource availability. <i>Plant, Cell and Environment</i> , 1997 , 20, 461-471	8.4	50
145	Energy content, construction cost and phytomass accumulation of <i>Glycine max</i> (L.) Merr. and <i>Sorghum bicolor</i> (L.) Moench grown in elevated CO ₂ in the field. <i>New Phytologist</i> , 1994 , 128, 443-450	9.8	49

144	A Review of Elevated Atmospheric CO ₂ Effects on Plant Growth and Water Relations: Implications for Horticulture. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2011 , 46, 158-162	2.4	48
143	Effects of nitrogen on <i>Pinus palustris</i> foliar respiratory responses to elevated atmospheric CO ₂ concentration. <i>Journal of Experimental Botany</i> , 1995 , 46, 1561-1567	7	47
142	Free-air CO ₂ enrichment of cotton: vertical and lateral root distribution patterns. <i>Plant and Soil</i> , 1994 , 165, 33-44	4.2	47
141	Carbon Dioxide-Enriched Agroecosystems: Influence of Tillage on Short-Term Soil Carbon Dioxide Efflux. <i>Journal of Environmental Quality</i> , 1997 , 26, 244-252	3.4	43
140	Influence of atmospheric CO ₂ enrichment, soil N, and water stress on needle surface wax formation in <i>Pinus palustris</i> (Pinaceae). <i>American Journal of Botany</i> , 1997 , 84, 1070-1077	2.7	42
139	Effects of elevated atmospheric CO ₂ in agro-ecosystems on soil carbon storage. <i>Global Change Biology</i> , 1997 , 3, 513-521	11.4	42
138	Elevated atmospheric CO ₂ effects on N fertilization in grain sorghum and soybean. <i>Field Crops Research</i> , 2004 , 88, 57-67	5.5	40
137	Cotton Root and Rhizosphere Responses to Free-Air CO ₂ Enrichment. <i>Critical Reviews in Plant Sciences</i> , 1992 , 11, 251-251	5.6	40
136	Contemporary and projected biogenic fluxes of methane and nitrous oxide in North American terrestrial ecosystems. <i>Frontiers in Ecology and the Environment</i> , 2012 , 10, 528-536	5.5	39
135	Free-air Carbon Dioxide Enrichment of Wheat: Soil Carbon and Nitrogen Dynamics. <i>Journal of Environmental Quality</i> , 1997 , 26, 1161-1166	3.4	39
134	Developmental and induced responses of nickel-based and organic defences of the nickel-hyperaccumulating shrub, <i>Psychotria douarrei</i> . <i>New Phytologist</i> , 2001 , 150, 49-58	9.8	39
133	A field method of determining NH ₄ ⁺ and NO ₃ ⁻ uptake kinetics in intact roots: Effects of CO ₂ enrichment on trees and crop species. <i>Plant and Soil</i> , 1999 , 217, 195-204	4.2	38
132	Decomposition of soybean grown under elevated concentrations of CO ₂ and O ₃ . <i>Global Change Biology</i> , 2005 , 11, 685-698	11.4	37
131	The influence of elevated atmospheric CO ₂ on fine root dynamics in an intact temperate forest. <i>Global Change Biology</i> , 2001 , 7, 829-837	11.4	37
130	Influence of CO ₂ enrichment and nitrogen fertilization on tissue chemistry and carbon allocation in longleaf pine seedlings. <i>Plant and Soil</i> , 1998 , 200, 3-11	4.2	36
129	Effects of carbon dioxide enrichment on cotton nutrient dynamics. <i>Journal of Plant Nutrition</i> , 1998 , 21, 1407-1426	2.3	36
128	Elevated atmospheric CO ₂ effects on biomass production and soil carbon in conventional and conservation cropping systems. <i>Global Change Biology</i> , 2005 , 11, 657-665	11.4	34
127	Response of Plants to Elevated Atmospheric CO ₂ : Root Growth, Mineral Nutrition, and Soil Carbon		34

126	Elevated atmospheric carbon dioxide effects on sorghum and soybean nutrient status 1 Contribution of USDA-ARS in cooperation with the Alabama Agricultural Experiment Station.. <i>Journal of Plant Nutrition</i> , 1994 , 17, 1939-1954	2.3	31
125	Impact of Tillage and Fertilizer Application Method on Gas Emissions in a Corn Cropping System. <i>Pedosphere</i> , 2012 , 22, 604-615	5	29
124	Kudzu [<i>Pueraria montana</i> (Lour.) Merr. Variety lobata]: A new source of carbohydrate for bioethanol production. <i>Biomass and Bioenergy</i> , 2009 , 33, 57-61	5.3	29
123	Nondestructive System for Analyzing Carbon in the Soil. <i>Soil Science Society of America Journal</i> , 2008 , 72, 1269-1277	2.5	29
122	Root dynamics in an artificially constructed regenerating longleaf pine ecosystem are affected by atmospheric CO ₂ enrichment. <i>Environmental and Experimental Botany</i> , 2001 , 46, 55-69	5.9	29
121	CROP RESIDUE DECOMPOSITION AS AFFECTED BY GROWTH UNDER ELEVATED ATMOSPHERIC CO ₂ . <i>Soil Science</i> , 1998 , 163, 412-419	0.9	29
120	Transpiration from sorghum and soybean growing under ambient and elevated CO ₂ concentrations. <i>Agricultural and Forest Meteorology</i> , 1997 , 83, 37-48	5.8	28
119	Effects of elevated atmospheric CO ₂ on root dynamics and productivity of sorghum grown under conventional and conservation agricultural management practices. <i>Agriculture, Ecosystems and Environment</i> , 2006 , 113, 175-183	5.7	27
118	Free-Air Carbon Dioxide Enrichment of Cotton: Root Morphological Characteristics. <i>Journal of Environmental Quality</i> , 1995 , 24, 678-683	3.4	27
117	Effects of elevated atmospheric CO ₂ on invasive plants: comparison of purple and yellow nutsedge (<i>Cyperus rotundus</i> L. and <i>C. esculentus</i> L.). <i>Journal of Environmental Quality</i> , 2008 , 37, 395-400	3.4	26
116	Implications of Elevated CO ₂ -Induced Changes in Agroecosystem Productivity. <i>The Journal of Crop Improvement: Innovations in Practiceory and Research</i> , 2003 , 8, 217-244		26
115	Elevated Atmospheric Carbon Dioxide in Agroecosystems Affects Groundwater Quality. <i>Journal of Environmental Quality</i> , 1996 , 25, 720-726	3.4	26
114	Bionomics of <i>Anopheles quadrimaculatus</i> and <i>Culex erraticus</i> (Diptera: Culicidae) in the Falls Lake basin, North Carolina: seasonal changes in abundance and gonotrophic status, and host-feeding patterns. <i>Journal of Medical Entomology</i> , 1993 , 30, 689-98	2.2	26
113	Effects of elevated atmospheric CO ₂ on water relations of soya bean. <i>Agriculture, Ecosystems and Environment</i> , 1991 , 35, 13-25	5.7	26
112	Effects of Elevated CO ₂ and Agricultural Management on Flux of Greenhouse Gases From Soil. <i>Soil Science</i> , 2010 , 175, 349-356	0.9	25
111	Mineralization of Nitrogen in Soils Amended with Dairy Manure as Affected by Wetting/Drying Cycles. <i>Communications in Soil Science and Plant Analysis</i> , 2007 , 38, 2103-2116	1.5	25
110	Elevated Atmospheric Carbon Dioxide Effects on Cotton Plant Residue Decomposition. <i>Soil Science Society of America Journal</i> , 1995 , 59, 1321-1328	2.5	25
109	Composition and Decomposition of Soybean and Sorghum Tissues Grown under Elevated Atmospheric Carbon Dioxide. <i>Journal of Environmental Quality</i> , 1996 , 25, 822-827	3.4	25

108	Cotton root and rhizosphere responses to free-air CO ₂ enrichment. <i>Critical Reviews in Plant Sciences</i> , 1992 , 11, 251-263	5.6	23
107	Soil Fungi Respond More Strongly than Fine Roots to Elevated CO ₂ in a Model Regenerating Longleaf Pine-Wiregrass Ecosystem. <i>Ecosystems</i> , 2010 , 13, 901-916	3.9	22
106	NMR imaging of root water distribution in intact <i>Vicia faba</i> L plants in elevated atmospheric CO ₂ . <i>Plant, Cell and Environment</i> , 1993 , 16, 335-338	8.4	22
105	Effects of elevated atmospheric CO ₂ on two southern forest diseases. <i>New Forests</i> , 2010 , 39, 275-285	2.6	21
104	Soybean growth response to water supply and atmospheric carbon dioxide enrichment. <i>Journal of Plant Nutrition</i> , 1995 , 18, 617-636	2.3	21
103	The Importance of Determining Carbon Sequestration and Greenhouse Gas Mitigation Potential in Ornamental Horticulture. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2011 , 46, 240-244	2.4	20
102	Calcium Sulfate Deposits Associated with Needle Substomatal Cavities of Container-Grown Longleaf Pine (<i>Pinus palustris</i>) Seedlings. <i>International Journal of Plant Sciences</i> , 2000 , 161, 917-923	2.6	19
101	Elevated atmospheric carbon dioxide effects on soybean and sorghum gas exchange in conventional and no-tillage systems. <i>Journal of Environmental Quality</i> , 2010 , 39, 596-608	3.4	17
100	Effects of Atmospheric CO ₂ Enrichment on Crop Nutrient Dynamics under No-Till Conditions. <i>Journal of Plant Nutrition</i> , 2008 , 31, 758-773	2.3	17
99	A HYDRAULIC CORING SYSTEM FOR SOIL-ROOT STUDIES. <i>Agronomy Journal</i> , 2004 , 96, 1202-1205	2.2	17
98	Portable Soil Coring System that Minimizes Plot Disturbance. <i>Agronomy Journal</i> , 1992 , 84, 1073-1077	2.2	17
97	Longleaf Pine Photosynthetic Response to Soil Resource Availability and Elevated Atmospheric Carbon Dioxide. <i>Journal of Environmental Quality</i> , 1999 , 28, 880-887	3.4	16
96	Nitrogen-mediated effects of elevated CO on intra-aggregate soil pore structure. <i>Global Change Biology</i> , 2017 , 23, 1585-1597	11.4	15
95	Drivers of soil carbon in residential pure lawns in Auburn, Alabama. <i>Urban Ecosystems</i> , 2014 , 17, 205-219	2.8	15
94	Effects of elevated atmospheric carbon dioxide on biomass and carbon accumulation in a model regenerating longleaf pine community. <i>Journal of Environmental Quality</i> , 2006 , 35, 1478-86	3.4	15
93	Influence of elevated CO ₂ , nitrogen, and <i>Pinus elliottii</i> genotypes on performance of the redheaded pine sawfly, <i>Neodiprion lecontei</i> . <i>Canadian Journal of Forest Research</i> , 2004 , 34, 1007-1017	1.9	15
92	ELEVATED ATMOSPHERIC CO ₂ IN AGROECOSYSTEMS: SOIL PHYSICAL PROPERTIES. <i>Soil Science</i> , 2004 , 169, 434-439	0.9	15
91	Integrating a process-based ecosystem model with Landsat imagery to assess impacts of forest disturbance on terrestrial carbon dynamics: Case studies in Alabama and Mississippi. <i>Journal of Geophysical Research G: Biogeosciences</i> , 2013 , 118, 1208-1224	3.7	14

90	Microbial Responses to Wheel-Traffic in Conventional and No-Tillage Systems. <i>Communications in Soil Science and Plant Analysis</i> , 2004 , 35, 2891-2903	1.5	14
89	Nitrogen, phosphorus, and potassium requirements for Eucalyptus urograndis plantations in southern Brazil. <i>New Forests</i> , 2018 , 49, 681-697	2.6	12
88	Influence of aboveground tree biomass, home age, and yard maintenance on soil carbon levels in residential yards. <i>Urban Ecosystems</i> , 2014 , 17, 787-805	2.8	11
87	Soil Property and Landscape Position Effects on Seasonal Nitrogen Mineralization of Composted Dairy Manure. <i>Soil Science</i> , 2010 , 175, 27-35	0.9	11
86	Hedgerow Pruning Effects on Light Interception, Water Relations and Yield in Alley-Cropped Maize. <i>Agroecology and Sustainable Food Systems</i> , 2008 , 31, 115-137		11
85	Elevated Atmospheric CO ₂ in Agroecosystems: Residue Decomposition in the Field. <i>Environmental Management</i> , 2004 , 33, S344	3.1	11
84	Land management effects on nitrogen and carbon cycling in an Ultisol. <i>Communications in Soil Science and Plant Analysis</i> , 1999 , 30, 1345-1349	1.5	11
83	Effects of Fertilizer Placement on Trace Gas Emissions from Nursery Container Production. <i>Hortscience: A Publication of the American Society for Horticultural Science</i> , 2012 , 47, 1056-1062	2.4	11
82	Depth distribution of exchangeable aluminum in acid soils: A study from subtropical Brazil. <i>Acta Scientiarum - Agronomy</i> , 2018 , 40, 39320	0.6	11
81	Effects of elevated [CO ₂] on photosynthesis and seed yield parameters in two soybean genotypes with contrasting water use efficiency. <i>Environmental and Experimental Botany</i> , 2020 , 178, 104154	5.9	10
80	EFFECT OF IMPLEMENT ON SOIL CO ₂ EFFLUX: FALL VS. SPRING TILLAGE. <i>Transactions of the American Society of Agricultural Engineers</i> , 2004 , 47, 367-373		10
79	Field Testing a Mobile Inelastic Neutron Scattering System to Measure Soil Carbon. <i>Soil Science</i> , 2014 , 179, 529-535	0.9	9
78	Global N ₂ O Emissions From Cropland Driven by Nitrogen Addition and Environmental Factors: Comparison and Uncertainty Analysis. <i>Global Biogeochemical Cycles</i> , 2020 , 34, e2020GB006698	5.9	9
77	Applying Monte-Carlo simulations to optimize an inelastic neutron scattering system for soil carbon analysis. <i>Applied Radiation and Isotopes</i> , 2017 , 128, 237-248	1.7	8
76	Elevated atmospheric CO ₂ affects structure of a model regenerating longleaf pine community. <i>Journal of Ecology</i> , 2002 , 90, 130-140	6	7
75	Manganese hyperaccumulation capacity of <i>Ilex paraguariensis</i> A. St. Hil. and occurrence of interveinal chlorosis induced by transient toxicity. <i>Ecotoxicology and Environmental Safety</i> , 2020 , 203, 111010	7	7
74	Production, carbon and nitrogen in stover fractions of corn (<i>Zea mays</i> L.) in response to cultivar development. <i>Ciencia E Agrotecnologia</i> , 2016 , 40, 665-675	1.6	7
73	Benchmarking the Inelastic Neutron Scattering Soil Carbon Method. <i>Vadose Zone Journal</i> , 2016 , 15, vzj2015.04.0056		

72	Spatial distribution of structural elements in leaves of <i>Ilex paraguariensis</i> : physiological and ecological implications. <i>Trees - Structure and Function</i> , 2020 , 34, 101-110	2.6	7
71	Elemental composition of yerba mate (<i>Ilex paraguariensis</i> A.St.-Hil.) under low input systems of southern Brazil. <i>Science of the Total Environment</i> , 2020 , 736, 139637	10.2	6
70	Effects of elevated CO ₂ on biomass and fungi associated with two ecotypes of ragweed (<i>Ambrosia artemisiifolia</i> L.). <i>Frontiers in Plant Science</i> , 2014 , 5, 500	6.2	6
69	Influence of Corn (<i>Zea mays</i> L.) Cultivar Development on Grain Nutrient Concentration. <i>International Journal of Agronomy</i> , 2012 , 2012, 1-7	1.9	6
68	Free-air CO ₂ enrichment of sorghum: soil carbon and nitrogen dynamics. <i>Journal of Environmental Quality</i> , 2008 , 37, 753-8	3.4	6
67	Tropical spiderwort (<i>Commelina benghalensis</i> L.) increases growth under elevated atmospheric carbon dioxide. <i>Journal of Environmental Quality</i> , 2009 , 38, 729-33	3.4	6
66	A manual soil coring system for soil-root studies. <i>Communications in Soil Science and Plant Analysis</i> , 1994 , 25, 517-522	1.5	6
65	Assessing soil contamination in automobile scrap yards by portable X-ray fluorescence spectrometry and magnetic susceptibility. <i>Environmental Monitoring and Assessment</i> , 2019 , 192, 46	3.1	6
64	Neutron-Stimulated Gamma Ray Analysis of Soil 2017 ,		5
63	A portable device to measure soil erosion/deposition in quarter-drains. <i>Soil Use and Management</i> , 2008 , 24, 401-408	3.1	5
62	Free-air carbon dioxide enrichment of soybean: influence of crop variety on residue decomposition. <i>Journal of Environmental Quality</i> , 2006 , 35, 1470-7	3.4	5
61	Nitrogen and Carbon Cycling in a Model Longleaf Pine Community as Affected by Elevated Atmospheric CO ₂ . <i>Environmental Management</i> , 2004 , 33, S132	3.1	5
60	Determining Trace Gas Efflux from Container Production of Woody Nursery Crops. <i>Journal of Environmental Horticulture</i> , 2012 , 30, 118-124	0.7	5
59	Elemental composition and nutritional value of seeds from subtropical Brazil. <i>Journal of Food Science and Technology</i> , 2019 , 56, 1073-1077	3.3	5
58	Varied Growth Response of Cogongrass Ecotypes to Elevated CO ₂ . <i>Frontiers in Plant Science</i> , 2015 , 6, 1182	6.2	5
57	Recycled alkaline paper waste influenced growth and structure of <i>Pinus taeda</i> L. forest. <i>New Forests</i> , 2021 , 52, 249-270	2.6	5
56	Continuous versus pulse neutron induced gamma spectroscopy for soil carbon analysis. <i>Applied Radiation and Isotopes</i> , 2015 , 96, 139-147	1.7	4
55	SOIL FERTILITY AFFECTS ELEMENTAL DISTRIBUTION IN NEEDLES OF THE CONIFER <i>Araucaria angustifolia</i> : A MICROANALYTICAL STUDY. <i>Cerne</i> , 2017 , 23, 257-266	0.7	4

54	Plant Responses to Atmospheric Carbon Dioxide Enrichment: Implications in RootSoilMicrobe Interactions. <i>ASA Special Publication</i> , 2015 , 1-34	1.1	4
53	Cover Crop Biomass Harvest Influences Cotton Nitrogen Utilization and Productivity. <i>International Journal of Agronomy</i> , 2012 , 2012, 1-12	1.9	4
52	USDA-ARS Global Change Research on Rangelands and Pasturelands. <i>Rangelands</i> , 2005 , 27, 36-42	1.1	4
51	Influence of roadways on heavy metal content in soils and yerba mate tissue in southern Brazil. <i>Management of Environmental Quality</i> , 2020 , 31, 1477-1495	3.6	4
50	A comparison of soil carbon dynamics in residential yards with and without trees. <i>Urban Ecosystems</i> , 2017 , 20, 87-96	2.8	3
49	Tagged neutron method for carbon analysis of large soil samples. <i>Applied Radiation and Isotopes</i> , 2019 , 150, 127-134	1.7	3
48	Energy correlated timing spectra in target neutron techniques. <i>Nuclear Instruments & Methods in Physics Research B</i> , 2018 , 433, 80-86	1.2	3
47	Effects of AtmosphericCO2Enrichment on SoilCO2Efflux in a Young Longleaf Pine System. <i>International Journal of Agronomy</i> , 2012 , 2012, 1-9	1.9	3
46	Planter Aid for Heavy Residue Conservation Tillage Systems. <i>Agronomy Journal</i> , 2007 , 99, 478-480	2.2	3
45	Influence of CO2 enrichment and nitrogen fertilization on tissue chemistry and carbon allocation in longleaf pine seedlings 1998 , 3-18		3
44	Cellulosic industrial waste to enhance Pinus taeda nutrition and growth: a study in subtropical Brazil. <i>Scientia Forestalis/Forest Sciences</i> , 2020 , 48,	1.1	3
43	Multi-elemental Analysis and Health Risk Assessment of Commercial Yerba Mate from Brazil. <i>Biological Trace Element Research</i> , 2021 , 1	4.5	3
42	Effects of a Custom Cover Crop ResidueManager in a No-Till Cotton System. <i>Applied Engineering in Agriculture</i> , 2016 , 32, 333-340	0.8	3
41	Application of associated particle neutron techniques for soil carbon analysis 2019 ,		3
40	Mid-rotation fertilization and liming effects on nutrient dynamics of Pinus taeda L. in subtropical Brazil. <i>European Journal of Forest Research</i> , 2021 , 140, 19-35	2.7	3
39	Scanning Mode Application of Neutron-Gamma Analysis for Soil Carbon Mapping. <i>Pedosphere</i> , 2019 , 29, 334-343	5	2
38	Species and Media Effects on Soil Carbon Dynamics in the Landscape. <i>Scientific Reports</i> , 2016 , 6, 25210	4.9	2
37	INFLUENCE OF CORN (ZEA MAYS L.) CULTIVAR DEVELOPMENT ON RESIDUE PRODUCTION. <i>Journal of Plant Nutrition</i> , 2012 , 35, 750-769	2.3	2

36	Sour orange fine root distribution after seventeen years of atmospheric CO2 enrichment. <i>Agricultural and Forest Meteorology</i> , 2012 , 162-163, 85-90	5.8	2
35	Greenhouse Gas Emissions from an Ornamental Crop as Impacted by Two Best Management Practices: Irrigation Delivery and Fertilizer Placement ¹ . <i>Journal of Environmental Horticulture</i> , 2018 , 36, 58-65	0.7	2
34	Global trends in apps for agriculture. <i>Multi-Science Journal</i> , 2020 , 3, 16	1	2
33	. <i>IEEE Transactions on Nuclear Science</i> , 2021 , 68, 1495-1504	1.7	2
32	Application of Geant4 simulation for analysis of soil carbon inelastic neutron scattering measurements. <i>Applied Radiation and Isotopes</i> , 2016 , 113, 33-9	1.7	2
31	Satellite-detected ammonia changes in the United States: Natural or anthropogenic impacts. <i>Science of the Total Environment</i> , 2021 , 789, 147899	10.2	2
30	Soil and vegetation responses to amendment with pulverized classified paper waste. <i>Soil and Tillage Research</i> , 2019 , 194, 104328	6.5	1
29	Forms and buffering potential of aluminum in tropical and subtropical acid soils cultivated with <i>Pinus taeda</i> L. <i>Journal of Soils and Sediments</i> , 2019 , 19, 1355-1366	3.4	1
28	"Hot background" of the mobile inelastic neutron scattering system for soil carbon analysis. <i>Applied Radiation and Isotopes</i> , 2016 , 107, 299-311	1.7	1
27	Application of Neutron-Gamma Analysis for Determining Compost C/N Ratio. <i>Compost Science and Utilization</i> , 2019 , 27, 146-160	1.2	1
26	Long-term response of a bahiagrass pasture to elevated CO2 and soil fertility management. <i>Soil and Tillage Research</i> , 2019 , 194, 104326	6.5	1
25	Effects of Elevated Atmospheric Carbon Dioxide on Soil Carbon in Terrestrial Ecosystems of the Southeastern United States. <i>SSSA Special Publication Series</i> , 2015 , 233-262	0	1
24	Hydraulic Core Extraction: Cutting Device for SoilRoot Studies. <i>Communications in Soil Science and Plant Analysis</i> , 2008 , 39, 1080-1089	1.5	1
23	Influence of industrial forest residue applications on <i>Pinus taeda</i> : soil, litter, growth, nutrition, and wood quality characteristics. <i>New Forests</i> , ¹	2.6	1
22	Landscape Establishment of Woody Ornamentals Grown in Alternative Wood-Based Container Substrates. <i>Journal of Environmental Horticulture</i> , 2012 , 30, 13-16	0.7	1
21	Minerals and potentially toxic elements in corn silage from tropical and subtropical Brazil. <i>Revista Brasileira De Zootecnia</i> , 2020 , 49,	1.2	1
20	Effects of Fertilizer Placement on Greenhouse Gas Emissions from a Sun and Shade Grown Ornamental Crop ¹ . <i>Journal of Environmental Horticulture</i> , 2019 , 37, 74-80	0.7	1
19	Leaves and the Effects of Elevated Carbon Dioxide Levels 2004 , 648-650		1

18	Effects of Elevated Atmospheric CO ₂ on Non-native Plants: Comparison of Two Important Southeastern Ornamentals. <i>Environmental Control in Biology</i> , 2011 , 49, 107-117	0.9	1
17	Effects of Elevated CO ₂ on Growth of the Industrial Sweetpotato Cultivar CX-1. <i>Environmental Control in Biology</i> , 2018 , 56, 89-92	0.9	1
16	INITIAL GROWTH OF <i>Araucaria angustifolia</i> ROOTSTOCK IN RESPONSE TO FERTILIZATION WITH NITROGEN, PHOSPHORUS AND POTASSIUM. <i>Floresta</i> , 2018 , 49, 099	0.6	1
15	Measuring and Mapping Potassium in Agricultural Fields Using Gamma Spectroscopy. <i>IEEE Transactions on Nuclear Science</i> , 2021 , 1-1	1.7	1
14	Estimating peanut and soybean photosynthetic traits using leaf spectral reflectance and advance regression models.. <i>Planta</i> , 2022 , 255, 93	4.7	1
13	Improving yield and health of legume crops via co-inoculation with rhizobia and Trichoderma: A global meta-analysis. <i>Applied Soil Ecology</i> , 2022 , 176, 104493	5	1
12	A field method of determining NH ₄ ⁺ and NO ₃ ⁻ uptake kinetics in intact roots: Effects of CO ₂ enrichment on trees and crop species 2000 , 325-334		0
11	Gypsum effects on eucalyptus nutrition in subtropical Brazil. <i>Brazilian Journal of Development</i> , 2020 , 6, 25160-25177	0	0
10	Fertilization of <i>Pinus taeda</i> L. on an acidic oxisol in southern Brazil: growth, litter accumulation, and root exploration. <i>European Journal of Forest Research</i> , 2021 , 140, 1095-1112	2.7	0
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