

Stephen Arthur Prior

List of Publications by Year in Descending Order

Source: <https://exaly.com/author-pdf/8019175/stephen-arthur-prior-publications-by-year.pdf>

Version: 2024-04-28

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	Estimating peanut and soybean photosynthetic traits using leaf spectral reflectance and advance regression models.. <i>Planta</i> , 2022 , 255, 93	4.7	1
160	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
159	Multi-elemental Analysis and Health Risk Assessment of Commercial Yerba Mate from Brazil. <i>Biological Trace Element Research</i> , 2021 , 1	4.5	3
158	Effects of Growth Substrate on Greenhouse Gas Emissions from Three Annual Species. <i>Journal of Environmental Horticulture</i> , 2021 , 39, 53-61	0.7	
157	Fertilization of Pinus taeda 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
156	. <i>IEEE Transactions on Nuclear Science</i> , 2021 , 68, 1495-1504	1.7	2
155	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
154	Recycled alkaline paper waste influenced growth and structure of Pinus taeda L. forest. <i>New Forests</i> , 2021 , 52, 249-270	2.6	5
153	Effects of Wood Ash Application on Tree Nutrition and Soil Dynamics in a Pinus taeda System. <i>Forest Science</i> , 2021 , 67, 618-628	1.4	0
152	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
151	Measuring and Mapping Potassium in Agricultural Fields Using Gamma Spectroscopy. <i>IEEE Transactions on Nuclear Science</i> , 2021 , 1-1	1.7	1
150	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
149	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
148	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
147	Global trends in apps for agriculture. <i>Multi-Science Journal</i> , 2020 , 3, 16	1	2
146	Minerals and potentially toxic elements in corn silage from tropical and subtropical Brazil. <i>Revista Brasileira De Zootecnia</i> , 2020 , 49,	1.2	1
145	Gypsum effects on eucalyptus nutrition in subtropical Brazil. <i>Brazilian Journal of Development</i> , 2020 , 6, 25160-25177	0	0

144 Leaves **2020**, 299-304

143 Influence of roadways on heavy metal content in soils and yerba mate tissue in southern Brazil. *Management of Environmental Quality*, **2020**, 31, 1477-1495 3.6 4

142 Global N₂O Emissions From Cropland Driven by Nitrogen Addition and Environmental Factors: Comparison and Uncertainty Analysis. *Global Biogeochemical Cycles*, **2020**, 34, e2020GB006698 5.9 9

141 Manganese hyperaccumulation capacity of *Ilex paraguariensis* A. St. Hil. and occurrence of interveinal chlorosis induced by transient toxicity. *Ecotoxicology and Environmental Safety*, **2020**, 203, 111010 7 7

140 Spatial distribution of structural elements in leaves of *Ilex paraguariensis*: physiological and ecological implications. *Trees - Structure and Function*, **2020**, 34, 101-110 2.6 7

139 Scanning Mode Application of Neutron-Gamma Analysis for Soil Carbon Mapping. *Pedosphere*, **2019**, 29, 334-343 5 2

138 Soil and vegetation responses to amendment with pulverized classified paper waste. *Soil and Tillage Research*, **2019**, 194, 104328 6.5 1

137 Tagged neutron method for carbon analysis of large soil samples. *Applied Radiation and Isotopes*, **2019**, 150, 127-134 1.7 3

136 Forms and buffering potential of aluminum in tropical and subtropical acid soils cultivated with *Pinus taeda* L. *Journal of Soils and Sediments*, **2019**, 19, 1355-1366 3.4 1

135 Application of Neutron-Gamma Analysis for Determining Compost C/N Ratio. *Compost Science and Utilization*, **2019**, 27, 146-160 1.2 1

134 Long-term response of a bahiagrass pasture to elevated CO₂ and soil fertility management. *Soil and Tillage Research*, **2019**, 194, 104326 6.5 1

133 Effects of Fertilizer Placement on Greenhouse Gas Emissions from a Sun and Shade Grown Ornamental Crop1. *Journal of Environmental Horticulture*, **2019**, 37, 74-80 0.7 1

132 Elemental composition and nutritional value of seeds from subtropical Brazil. *Journal of Food Science and Technology*, **2019**, 56, 1073-1077 3.3 5

131 Assessing soil contamination in automobile scrap yards by portable X-ray fluorescence spectrometry and magnetic susceptibility. *Environmental Monitoring and Assessment*, **2019**, 192, 46 3.1 6

130 Engine Exhaust Heat Device for Terminating Cover Crops in No-Till Vegetable Systems. *Applied Engineering in Agriculture*, **2019**, 35, 787-793 0.8

129 Application of associated particle neutron techniques for soil carbon analysis **2019**, 3

128 Global ammonia emissions from synthetic nitrogen fertilizer applications in agricultural systems: Empirical and process-based estimates and uncertainty. *Global Change Biology*, **2019**, 25, 314-326 11.4 75

127 Energy correlated timing spectra in target neutron techniques. *Nuclear Instruments & Methods in Physics Research B*, **2018**, 433, 80-86 1.2 3

126	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
125	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
124	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
123	Depth distribution of exchangeable aluminum in acid soils: A study from subtropical Brazil. <i>Acta Scientiarum - Agronomy</i> , 2018 , 40, 39320	0.6	11
122	Nitrogen, phosphorus, and potassium requirements for <i>Eucalyptus urograndis</i> plantations in southern Brazil. <i>New Forests</i> , 2018 , 49, 681-697	2.6	12
121	A comparison of soil carbon dynamics in residential yards with and without trees. <i>Urban Ecosystems</i> , 2017 , 20, 87-96	2.8	3
120	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
119	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
118	Nitrogen-mediated effects of elevated CO ₂ on intra-aggregate soil pore structure. <i>Global Change Biology</i> , 2017 , 23, 1585-1597	11.4	15
117	Neutron-Stimulated Gamma Ray Analysis of Soil 2017 ,		5
116	Species and Media Effects on Soil Carbon Dynamics in the Landscape. <i>Scientific Reports</i> , 2016 , 6, 25210	4.9	2
115	"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
114	Effects of a Custom Cover Crop Residue Manager in a No-Till Cotton System. <i>Applied Engineering in Agriculture</i> , 2016 , 32, 333-340	0.8	3
113	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
112	Benchmarking the Inelastic Neutron Scattering Soil Carbon Method. <i>Vadose Zone Journal</i> , 2016 , 15, vzj2015.04.0056	1.7	1
111	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
110	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
109	Continuous versus pulse neutron induced gamma spectroscopy for soil carbon analysis. <i>Applied Radiation and Isotopes</i> , 2015 , 96, 139-147	1.7	4

108	Plant Responses to Atmospheric Carbon Dioxide Enrichment: Implications in Root-Soil-Microbe Interactions. <i>ASA Special Publication</i> , 2015 , 1-34	1.1	4
107	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
106	Varied Growth Response of Cogongrass Ecotypes to Elevated CO ₂ . <i>Frontiers in Plant Science</i> , 2015 , 6, 1182	6.2	5
105	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
104	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
103	Field Testing a Mobile Inelastic Neutron Scattering System to Measure Soil Carbon. <i>Soil Science</i> , 2014 , 179, 529-535	0.9	9
102	Drivers of soil carbon in residential pure lawns in Auburn, Alabama. <i>Urban Ecosystems</i> , 2014 , 17, 205-219	2.8	15
101	Leaves: Elevated CO ₂ Levels 2014 , 338-342		
100	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
99	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
98	INFLUENCE OF CORN (<i>ZEA MAYS</i> L.) CULTIVAR DEVELOPMENT ON RESIDUE PRODUCTION. <i>Journal of Plant Nutrition</i> , 2012 , 35, 750-769	2.3	2
97	Sour orange fine root distribution after seventeen years of atmospheric CO ₂ enrichment. <i>Agricultural and Forest Meteorology</i> , 2012 , 162-163, 85-90	5.8	2
96	Impact of Tillage and Fertilizer Application Method on Gas Emissions in a Corn Cropping System. <i>Pedosphere</i> , 2012 , 22, 604-615	5	29
95	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
94	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
93	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
92	Cover Crop Biomass Harvest Influences Cotton Nitrogen Utilization and Productivity. <i>International Journal of Agronomy</i> , 2012 , 2012, 1-12	1.9	4
91	Effects of Atmospheric CO ₂ Enrichment on Soil CO ₂ Efflux in a Young Longleaf Pine System. <i>International Journal of Agronomy</i> , 2012 , 2012, 1-9	1.9	3

90	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
89	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
88	Determining Trace Gas Efflux from Container Production of Woody Nursery Crops. <i>Journal of Environmental Horticulture</i> , 2012 , 30, 118-124	0.7	5
87	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
86	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
85	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
84	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
83	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
82	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
81	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
80	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
79	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
78	Effects of elevated atmospheric CO ₂ on two southern forest diseases. <i>New Forests</i> , 2010 , 39, 275-285	2.6	21
77	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
76	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
75	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
74	A portable device to measure soil erosion/deposition in quarter-drains. <i>Soil Use and Management</i> , 2008 , 24, 401-408	3.1	5
73	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

72	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
71	Hydraulic Core Extraction: Cutting Device for Soil/Root Studies. <i>Communications in Soil Science and Plant Analysis</i> , 2008 , 39, 1080-1089	1.5	1
70	Nondestructive System for Analyzing Carbon in the Soil. <i>Soil Science Society of America Journal</i> , 2008 , 72, 1269-1277	2.5	29
69	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
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	Planter Aid for Heavy Residue Conservation Tillage Systems. <i>Agronomy Journal</i> , 2007 , 99, 478-480	2.2	3
66	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
65	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
64	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
63	A Pneumatic Device for Lifting Containers in Plant Water Use Studies. <i>Agronomy Journal</i> , 2006 , 98, 120-123		
62	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
61	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
60	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
59	USDA-ARS Global Change Research on Rangelands and Pasturelands. <i>Rangelands</i> , 2005 , 27, 36-42	1.1	4
58	Atmospheric CO ₂ Enrichment of Potato in the Subarctic: Root Distribution and Soil Biology. <i>Environmental Control in Biology</i> , 2005 , 43, 165-172	0.9	
57	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
56	A HYDRAULIC CORING SYSTEM FOR SOIL-ROOT STUDIES. <i>Agronomy Journal</i> , 2004 , 96, 1202-1205	2.2	17
55	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

54	Elevated Atmospheric CO ₂ in Agroecosystems: Residue Decomposition in the Field. <i>Environmental Management</i> , 2004 , 33, S344	3.1	11
53	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
52	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
51	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
50	ELEVATED ATMOSPHERIC CO ₂ IN AGROECOSYSTEMS: SOIL PHYSICAL PROPERTIES. <i>Soil Science</i> , 2004 , 169, 434-439	0.9	15
49	Leaves and the Effects of Elevated Carbon Dioxide Levels 2004 , 648-650		1
48	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
47	The effects of elevated atmospheric CO ₂ and soil P placement on cotton root deployment 2003 , 179-187		
46	Elevated atmospheric CO ₂ affects structure of a model regenerating longleaf pine community. <i>Journal of Ecology</i> , 2002 , 90, 130-140	6	7
45	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
44	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
43	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
42	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
41	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
40	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
39	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
38	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
37	Elevated CO ₂ and plant structure: a review. <i>Global Change Biology</i> , 1999 , 5, 807-837	11.4	299

36	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
35	Response of Plants to Elevated Atmospheric CO ₂ : Root Growth, Mineral Nutrition, and Soil Carbon 1999 , 215-244		34
34	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
33	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
32	Effects of carbon dioxide enrichment on cotton nutrient dynamics. <i>Journal of Plant Nutrition</i> , 1998 , 21, 1407-1426	2.3	36
31	Influence of CO ₂ enrichment and nitrogen fertilization on tissue chemistry and carbon allocation in longleaf pine seedlings 1998 , 3-18		3
30	CROP RESIDUE DECOMPOSITION AS AFFECTED BY GROWTH UNDER ELEVATED ATMOSPHERIC CO ₂ . <i>Soil Science</i> , 1998 , 163, 412-419	0.9	29
29	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
28	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
27	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
26	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
25	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
24	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
23	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
22	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
21	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
20	Elevated Atmospheric Carbon Dioxide in Agroecosystems Affects Groundwater Quality. <i>Journal of Environmental Quality</i> , 1996 , 25, 720-726	3.4	26
19	Root to shoot ratio of crops as influenced by CO ₂ . <i>Plant and Soil</i> , 1995 , 187, 229-248	4.2	170

18	Free-Air Carbon Dioxide Enrichment of Cotton: Root Morphological Characteristics. <i>Journal of Environmental Quality</i> , 1995 , 24, 678-683	3.4	27
17	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
16	Soybean growth response to water supply and atmospheric carbon dioxide enrichment. <i>Journal of Plant Nutrition</i> , 1995 , 18, 617-636	2.3	21
15	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
14	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
13	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
12	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
11	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 in the field. <i>New Phytologist</i> , 1994 , 128, 443-450	9.8	49
10	Effects of free-air CO ₂ enrichment on cotton root growth. <i>Agricultural and Forest Meteorology</i> , 1994 , 70, 69-86	5.8	67
9	Free-air CO ₂ enrichment effects on soil carbon and nitrogen. <i>Agricultural and Forest Meteorology</i> , 1994 , 70, 103-116	5.8	72
8	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
7	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
6	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
5	Hydraulic Compaction Device for Making Soil Cores. <i>Soil Science Society of America Journal</i> , 1992 , 56, 1942-1944	2.5	
4	Portable Soil Coring System that Minimizes Plot Disturbance. <i>Agronomy Journal</i> , 1992 , 84, 1073-1077	2.2	17
3	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
2	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
1	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

