Carlos Eduardo Cerri

List of Publications by Year
in descending order

210 papers	8,752 citations	34105 52 h-index	58581 82 g-index
213 all docs	213 docs citations	213 times ranked	9019 citing authors

#	Article	IF	Citations
1	Grassland management impacts on soil carbon stocks: a new synthesis. Ecological Applications, 2017, 27, 662-668.	3.8	406
2	Wavelet analysis of MODIS time series to detect expansion and intensification of row-crop agriculture in Brazil. Remote Sensing of Environment, 2008, 112, 576-587.	11.0	338
3	A largeâ€scale field assessment of carbon stocks in humanâ€modified tropical forests. Global Change Biology, 2014, 20, 3713-3726.	9.5	300
4	Crop residue harvest for bioenergy production and its implications on soil functioning and plant growth: A review. Scientia Agricola, 2018, 75, 255-272.	1.2	185
5	Nitrous oxide emissions in agricultural soils: a review. Pesquisa Agropecuaria Tropical, 2013, 43, 322-338.	1.0	179
6	Soil carbon stocks under burned and unburned sugarcane in Brazil. Geoderma, 2009, 153, 347-352.	5.1	169
7	Tropical agriculture and global warming: impacts and mitigation options. Scientia Agricola, 2007, 64, 83-99.	1.2	150
8	Cropping systems, carbon sequestration and erosion in Brazil, a review. Agronomy for Sustainable Development, 2006, 26, 1-8.	5.3	141
9	Effect of grassland management on soil carbon sequestration in RondÃ´nia and Mato Grosso states, Brazil. Geoderma, 2009, 149, 84-91.	5.1	137
10	A social and ecological assessment of tropical land uses at multiple scales: the Sustainable Amazon Network. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120166.	4.0	133
11	Impact of pasture, agriculture and crop-livestock systems on soil C stocks in Brazil. Soil and Tillage Research, 2010, 110, 175-186.	5.6	125
12	Processes that influence dissolved organic matter in the soil: a review. Scientia Agricola, 2020, 77, .	1.2	121
13	Effect of sugarcane harvesting systems on soil carbon stocks in Brazil: an examination of existing data. European Journal of Soil Science, 2011, 62, 23-28.	3.9	117
14	Predicted soil organic carbon stocks and changes in the Brazilian Amazon between 2000 and 2030. Agriculture, Ecosystems and Environment, 2007, 122, 58-72.	5.3	115
15	Soil physical quality response to sugarcane expansion in Brazil. Geoderma, 2016, 267, 156-168.	5.1	114
16	Soil Quality Indexing Strategies for Evaluating Sugarcane Expansion in Brazil. PLoS ONE, 2016, 11, e0150860.	2.5	110
17	Changes in soil organic carbon storage under different agricultural management systems in the Southwest Amazon Region of Brazil. Soil and Tillage Research, 2010, 106, 177-184.	5.6	103
18	Meeting the global demand for biofuels in 2021 through sustainable land use change policy. Energy Policy, 2014, 69, 14-18.	8.8	103

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19	Carbon sequestration in agricultural soils in the Cerrado region of the Brazilian Amazon. Soil and Tillage Research, 2009, 103, 342-349.	5.6	102
20	Effects of feedstock type and slow pyrolysis temperature in the production of biochars on the removal of cadmium and nickel from water. Journal of Cleaner Production, 2016, 137, 965-972.	9.3	101
21	Phosphorus removal from eutrophic water using modified biochar. Science of the Total Environment, 2018, 633, 825-835.	8.0	100
22	N ₂ O emissions due to nitrogen fertilizer applications in two regions of sugarcane cultivation in Brazil. Environmental Research Letters, 2013, 8, 015013.	5.2	93
23	Modeling changes in soil organic matter in Amazon forest to pasture conversion with the Century model. Global Change Biology, 2004, 10, 815-832.	9.5	89
24	Soil greenhouse gas fluxes from vinasse application in Brazilian sugarcane areas. Geoderma, 2013, 200-201, 77-84.	5.1	89
25	Brazilian greenhouse gas emissions: the importance of agriculture and livestock. Scientia Agricola, 2009, 66, 831-843.	1.2	88
26	Modeling Soil Carbon from Forest and Pasture Ecosystems of Amazon, Brazil. Soil Science Society of America Journal, 2003, 67, 1879-1887.	2.2	85
27	National and sub-national assessments of soil organic carbon stocks and changes: The GEFSOC modelling system. Agriculture, Ecosystems and Environment, 2007, 122, 3-12.	5.3	85
28	Payback time for soil carbon and sugar-caneÂethanol. Nature Climate Change, 2014, 4, 605-609.	18.8	85
29	Carbon dioxide emissions under different soil tillage systems in mechanically harvested sugarcane. Environmental Research Letters, 2013, 8, 015014.	5.2	84
30	Crop-pasture rotation: A strategy to reduce soil greenhouse gas emissions in the Brazilian Cerrado. Agriculture, Ecosystems and Environment, 2014, 183, 167-175.	5.3	83
31	Consensus, uncertainties and challenges for perennial bioenergy crops and land use. GCB Bioenergy, 2018, 10, 150-164.	5.6	80
32	Effect of Biochar Particle Size on Physical, Hydrological and Chemical Properties of Loamy and Sandy Tropical Soils. Agronomy, 2019, 9, 165.	3.0	79
33	Potencial de sequestro de carbono em diferentes biomas do Brasil. Revista Brasileira De Ciencia Do Solo, 2010, 34, 277-290.	1.3	77
34	Poultry manure and sugarcane straw biochars modified with MgCl2 for phosphorus adsorption. Journal of Environmental Management, 2018, 214, 36-44.	7.8	77
35	Simulating SOC changes in 11 land use change chronosequences from the Brazilian Amazon with RothC and Century models. Agriculture, Ecosystems and Environment, 2007, 122, 46-57.	5.3	76
36	Phosphorus pools responses to land-use change for sugarcane expansion in weathered Brazilian soils. Geoderma, 2016, 265, 27-38.	5.1	76

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37	Inorganic nitrogen, microbial biomass and microbial activity of a sandy Brazilian Cerrado soil under different land uses. Agriculture, Ecosystems and Environment, 2010, 135, 161-167.	5.3	75
38	Soil carbon, multiple benefits. Environmental Development, 2015, 13, 33-38.	4.1	75
39	A Soil Management Assessment Framework (SMAF) Evaluation of Brazilian Sugarcane Expansion on Soil Quality. Soil Science Society of America Journal, 2016, 80, 215-226.	2.2	73
40	Biochar-based nitrogen fertilizers: Greenhouse gas emissions, use efficiency, and maize yield in tropical soils. Science of the Total Environment, 2020, 704, 135375.	8.0	68
41	Assessing the carbon footprint of beef cattle in Brazil: a case study with 22 farms in the State of Mato Grosso. Journal of Cleaner Production, 2016, 112, 2593-2600.	9.3	67
42	Climate change and its impact on soil and vegetation carbon storage in Kenya, Jordan, India and Brazil. Agriculture, Ecosystems and Environment, 2007, 122, 114-124.	5.3	66
43	The GEFSOC soil carbon modelling system: A tool for conducting regional-scale soil carbon inventories and assessing the impacts of land use change on soil carbon. Agriculture, Ecosystems and Environment, 2007, 122, 13-25.	5.3	64
44	Loss of soil (macro)fauna due to the expansion of Brazilian sugarcane acreage. Science of the Total Environment, 2016, 563-564, 160-168.	8.0	64
45	Soil carbon, nitrogen and phosphorus changes under sugarcane expansion in Brazil. Science of the Total Environment, 2015, 515-516, 30-38.	8.0	63
46	Greenhouse gas assessment of Brazilian soybean production: a case study of Mato Grosso State. Journal of Cleaner Production, 2015, 96, 418-425.	9.3	62
47	How can soil monitoring networks be used to improve predictions of organic carbon pool dynamics and CO2 fluxes in agricultural soils?. Plant and Soil, 2011, 338, 247-259.	3.7	61
48	Reducing Amazon Deforestation through Agricultural Intensification in the Cerrado for Advancing Food Security and Mitigating Climate Change. Sustainability, 2018, 10, 989.	3.2	59
49	Assessment of soil property spatial variation in an Amazon pasture: basis for selecting an agronomic experimental area. Geoderma, 2004, 123, 51-68.	5.1	57
50	Soil carbon stocks and changes after oil palm introduction in the Brazilian Amazon. GCB Bioenergy, 2013, 5, 384-390.	5.6	57
51	Deep soils modify environmental consequences of increased nitrogen fertilizer use in intensifying Amazon agriculture. Scientific Reports, 2018, 8, 13478.	3.3	56
52	Greenhouse gas mitigation options in Brazil for land-use change, livestock and agriculture. Scientia Agricola, 2010, 67, 102-116.	1.2	55
53	Prospects for land-use sustainability on the agricultural frontier of the Brazilian Amazon. Philosophical Transactions of the Royal Society B: Biological Sciences, 2013, 368, 20120171.	4.0	55
54	Greenhouse gas emissions from alternative futures of deforestation and agricultural management in the southern Amazon. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 19649-19654.	7.1	54

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55	Net greenhouse gas fluxes in Brazilian ethanol production systems. GCB Bioenergy, 2010, 2, 37-44.	5.6	53
56	Improved pasture and herd management to reduce greenhouse gas emissions from a Brazilian beef production system. Livestock Science, 2015, 175, 101-112.	1.6	52
57	Direct N₂O emission factors for synthetic Nâ€fertilizer and organic residues applied on sugarcane for bioethanol production in Centralâ€Southern Brazil. GCB Bioenergy, 2016, 8, 269-280.	5.6	52
58	Assessing soil structural quality under Brazilian sugarcane expansion areas using Visual Evaluation of Soil Structure (VESS). Soil and Tillage Research, 2017, 173, 64-74.	5.6	52
59	Soil Organic Matter Responses to Anthropogenic Forest Disturbance and Land Use Change in the Eastern Brazilian Amazon. Sustainability, 2017, 9, 379.	3.2	51
60	Modeling soil organic carbon dynamics in Oxisols of IbirubÃ¡ (Brazil) with the Century Model. Soil and Tillage Research, 2009, 105, 33-43.	5.6	50
61	Simulation of Soil Carbon Dynamics under Sugarcane with the CENTURY Model. Soil Science Society of America Journal, 2009, 73, 802-811.	2.2	49
62	Sugarcane expansion in Brazilian tropical soilsâ€"Effects of land use change on soil chemical attributes. Agriculture, Ecosystems and Environment, 2015, 211, 173-184.	5.3	49
63	Sugarcane straw removal effects on plant growth and stalk yield. Industrial Crops and Products, 2018, 111, 794-806.	5.2	49
64	Carbon cycling and sequestration opportunities in South America: the case of Brazil. Soil Use and Management, 2004, 20, 248-254.	4.9	48
65	Soil type and texture impacts on soil organic carbon storage in a sub-tropical agro-ecosystem. Geoderma, 2017, 286, 88-97.	5.1	46
66	Is the expansion of sugarcane over pasturelands a sustainable strategy for Brazil's bioenergy industry?. Renewable and Sustainable Energy Reviews, 2019, 102, 346-355.	16.4	46
67	Soil organic carbon stock change due to land use activity along the agricultural frontier of the southwestern Amazon, Brazil, between 1970 and 2002. Global Change Biology, 2010, 16, 2775-2788.	9.5	45
68	Greenhouse gas emissions from soil amended with agricultural residue biochars: Effects of feedstock type, production temperature and soil moisture. Biomass and Bioenergy, 2018, 117, 1-9.	5.7	44
69	Acid rain and nitrogen deposition in a sub-tropical watershed (Piracicaba): ecosystem consequences. Environmental Pollution, 2003, 121, 389-399.	7.5	43
70	Land Use and Management Effects on Sustainable Sugarcane-Derived Bioenergy. Land, 2021, 10, 72.	2.9	43
71	Predicting soil C changes over sugarcane expansion in Brazil using the DayCent model. GCB Bioenergy, 2017, 9, 1436-1446.	5.6	42
72	Guidelines for the recovery of sugarcane straw from the field during harvesting. Biomass and Bioenergy, 2017, 96, 69-74.	5.7	41

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73	Sugarcane straw removal effects on Ultisols and Oxisols in south-central Brazil. Geoderma Regional, 2017, 11, 86-95.	2.1	41
74	The Amazon Frontier of Land-Use Change: Croplands and Consequences for Greenhouse Gas Emissions. Earth Interactions, 2010, 14, 1-24.	1.5	40
75	Historical carbon emissions and uptake from the agricultural frontier of the Brazilian Amazon. , 2011, 21, 750-763.		40
76	Sugarcane Straw Removal: Implications to Soil Fertility and Fertilizer Demand in Brazil. Bioenergy Research, 2019, 12, 888-900.	3.9	40
77	Soil carbon changes in areas undergoing expansion of sugarcane into pastures in south-central Brazil. Agriculture, Ecosystems and Environment, 2016, 228, 38-48.	5.3	39
78	Assessing soil carbon storage rates under no-tillage: Comparing the synchronic and diachronic approaches. Soil and Tillage Research, 2013, 134, 207-212.	5.6	38
79	Preparation of consistent soil data sets for modelling purposes: Secondary SOTER data for four case study areas. Agriculture, Ecosystems and Environment, 2007, 122, 26-34.	5.3	37
80	Assessing labile organic carbon in soils undergoing land use change in Brazil: A comparison of approaches. Ecological Indicators, 2017, 72, 411-419.	6.3	37
81	Greenhouse gas emission responses to sugarcane straw removal. Biomass and Bioenergy, 2018, 113, 15-21.	5.7	37
82	Soil Organic Carbon Stocks of Rio Grande do Sul, Brazil. Soil Science Society of America Journal, 2009, 73, 975-982.	2.2	36
83	Three-Year Soil Carbon and Nitrogen Responses to Sugarcane Straw Management. Bioenergy Research, 2018, 11, 249-261.	3.9	36
84	Dynamic biochar effects on nitrogen use efficiency, crop yield and soil nitrous oxide emissions during a tropical wheat-growing season. Journal of Environmental Management, 2019, 252, 109638.	7.8	36
85	Applying Soil Management Assessment Framework (SMAF) on short-term sugarcane straw removal in Brazil. Industrial Crops and Products, 2019, 129, 175-184.	5.2	36
86	Soil Carbon Turnover Measurement by Physical Fractionation at a Forest-to-Pasture Chronosequence in the Brazilian Amazon. Ecosystems, 2009, 12, 1212-1221.	3.4	35
87	Decomposition of sugarcane straw: Basis for management decisions for bioenergy production. Biomass and Bioenergy, 2019, 122, 133-144.	5.7	35
88	Propriedades quÃmicas de um Neossolo QuartzarÃªnico sob diferentes sistemas de manejo no Cerrado mato-grossense. Pesquisa Agropecuaria Brasileira, 2008, 43, 641-648.	0.9	34
89	Soil carbon stock changes under different land uses in the Amazon. Geoderma Regional, 2017, 10, 138-143.	2.1	34
90	Simulation of sugarcane residue decomposition and aboveground growth. Plant and Soil, 2010, 326, 243-259.	3.7	33

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91	Soil health response to sugarcane straw removal in Brazil. Industrial Crops and Products, 2021, 163, 113315.	5.2	33
92	Contrasting approaches for estimating soil carbon changes in Amazon and Cerrado biomes. Soil and Tillage Research, 2013, 133, 75-84.	5.6	29
93	Estoques de carbono e qualidade da matÃ©ria orgÃ¢nica do solo em Ã¡reas cultivadas com cana-de-aÃ§Ãºcar. Revista Brasileira De Ciencia Do Solo, 2014, 38, 1402-1410.	1.3	28
94	Brazilian beef cattle feedlot manure management: A country survey1. Journal of Animal Science, 2013, 91, 1811-1818.	0.5	27
95	Changes in soil phosphorus pool induced by pastureland intensification and diversification in Brazil. Science of the Total Environment, 2020, 703, 135463.	8.0	27
96	Linking soil engineers, structural stability, and organic matter allocation to unravel soil carbon responses to land-use change. Soil Biology and Biochemistry, 2020, 150, 107998.	8.8	27
97	Changes of chemical properties in an oxisol after clearing of native Cerrado vegetation for agricultural use in Vilhena, Rondonia State, Brazil. Soil and Tillage Research, 2007, 96, 95-102.	5.6	26
98	Short-term changes in nitrogen availability, gas fluxes (CO2, NO, N2O) and microbial biomass after tillage during pasture re-establishment in RondÃ´nia, Brazil. Soil and Tillage Research, 2007, 96, 250-259.	5.6	26
99	GIS EROSION RISK ASSESSMENT OF THE PIRACICABA RIVER BASIN, SOUTHEASTERN BRAZIL. Mapping Sciences and Remote Sensing, 2001, 38, 157-171.	0.0	25
100	Linking physical quality and CO2 emissions under long-term no-till and conventional-till in a subtropical soil in Brazil. Plant and Soil, 2011, 338, 5-15.	3.7	25
101	Soil CO2 emission estimated by different interpolation techniques. Plant and Soil, 2011, 345, 187-194.	3.7	25
102	Greenhouse gas emissions from sugarcane vinasse transportation by open channel: a case study in Brazil. Journal of Cleaner Production, 2015, 94, 102-107.	9.3	25
103	Sugar cane straw left in the field during harvest: decomposition dynamics and composition changes. Soil Research, 2017, 55, 758.	1.1	25
104	Assessing the greenhouse gas emissions of Brazilian soybean biodiesel production. PLoS ONE, 2017, 12, e0176948.	2.5	25
105	Conversion of cerrado into agricultural land in the south-western Amazon: carbon stocks and soil fertility. Scientia Agricola, 2009, 66, 233-241.	1.2	25
106	Consequences of land-use change in Brazilâ€™s new agricultural frontier: A soil physical health assessment. Geoderma, 2021, 400, 115149.	5.1	24
107	Agrosilvopastoral Systems and Well-Managed Pastures Increase Soil Carbon Stocks in the Brazilian Cerrado. Rangeland Ecology and Management, 2020, 73, 776-785.	2.3	24
108	Linking land-use and land-cover transitions to their ecological impact in the Amazon. Proceedings of the National Academy of Sciences of the United States of America, 2022, 119, .	7.1	24

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109	Methods for the quantification of GHG emissions at the landscape level for developing countries in smallholder contexts. Environmental Research Letters, 2013, 8, 015019.	5.2	22
110	Simulation of management and soil interactions impacting <scp>SOC</scp> dynamics in sugarcane using the CENTURY Model. GCB Bioenergy, 2015, 7, 646-657.	5.6	22
111	Soil organic and organomineral fractions as indicators of the effects of land management in conventional and organic sugar cane systems. Soil Research, 2017, 55, 145.	1.1	22
112	Drivers of Organic Carbon Stocks in Different LULC History and along Soil Depth for a 30 Years Image Time Series. Remote Sensing, 2021, 13, 2223.	4.0	22
113	An increased understanding of soil organic carbon stocks and changes in non-temperate areas: National and global implications. Agriculture, Ecosystems and Environment, 2007, 122, 125-136.	5.3	21
114	Quantifying soil carbon stocks and greenhouse gas fluxes in the sugarcane agrosystem: point of view. Scientia Agricola, 2013, 70, 361-368.	1.2	21
115	Increasing Rates of Biochar Application to Soil Induce Stronger Negative Priming Effect on Soil Organic Carbon Decomposition. Agricultural Research, 2017, 6, 389-398.	1.7	21
116	Prediction of Sugarcane Yield Based on NDVI and Concentration of Leaf-Tissue Nutrients in Fields Managed with Straw Removal. Agronomy, 2018, 8, 196.	3.0	21
117	Net greenhouse gas emissions from manure management using anaerobic digestion technology in a beef cattle feedlot in Brazil. Science of the Total Environment, 2015, 505, 1018-1025.	8.0	20
118	Methane emissions from sugarcane vinasse storage and transportation systems: Comparison between open channels and tanks. Atmospheric Environment, 2017, 159, 135-146.	4.1	20
119	Relating the visual soil structure status and the abundance of soil engineering invertebrates across land use change. Soil and Tillage Research, 2017, 173, 49-52.	5.6	20
120	How much sugarcane trash should be left on the soil?. Scientia Agricola, 2013, 70, 1-1.	1.2	20
121	Interrelationships Among Soil Total C and N, Microbial Biomass, Trace Gas Fluxes, and Internal N-Cycling in Soils Under Pasture of the Amazon Region. Agroecology and Sustainable Food Systems, 2006, 27, 45-69.	0.9	19
122	Biochar Amendment Enhances Water Retention in a Tropical Sandy Soil. Agriculture (Switzerland), 2020, 10, 62.	3.1	19
123	Sugarcane straw management and soil attributes on alachlor and diuron sorption in highly weathered tropical soils. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2014, 49, 352-360.	1.5	18
124	Molecular characterization of soil organic matter from native vegetationâ€“pastureâ€“sugarcane transitions in Brazil. Science of the Total Environment, 2016, 548-549, 450-462.	8.0	18
125	Modelling SOC response to land use change and management practices in sugarcane cultivation in South-Central Brazil. Plant and Soil, 2017, 410, 483-498.	3.7	18
126	How Much Sugarcane Straw is Needed for Covering the Soil?. Bioenergy Research, 2019, 12, 858-864.	3.9	18

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127	Soil carbon stocks under oil palm plantations in Bahia State, Brazil. Biomass and Bioenergy, 2014, 62, 1-7.	5.7	17
128	Spatial variability of soil CO2 emission in a sugarcane area characterized by secondary information. Scientia Agricola, 2013, 70, 195-203.	1.2	17
129	Prediction and Mapping of Soil Attributes using Diffuse Reflectance Spectroscopy and Magnetic Susceptibility. Soil Science Society of America Journal, 2017, 81, 1450-1462.	2.2	16
130	Emissivity of agricultural soil attributes in southeastern Brazil via terrestrial and satellite sensors. Geoderma, 2020, 361, 114038.	5.1	16
131	Comparing how land use change impacts soil microbial catabolic respiration in Southwestern Amazon. Brazilian Journal of Microbiology, 2016, 47, 63-72.	2.0	15
132	A novel way of assessing C dynamics during urban organic waste composting and greenhouse gas emissions in tropical region. Bioresource Technology Reports, 2018, 3, 35-42.	2.7	15
133	Soil dissolved organic carbon responses to sugarcane straw removal. Soil Use and Management, 2021, 37, 126-137.	4.9	15
134	Temperature sensitivity of soil organic matter decomposition varies with biochar application and soil type. Pedosphere, 2020, 30, 336-342.	4.0	15
135	Measuring and modeling nitrous oxide and methane emissions from beef cattle feedlot manure management: First assessments under Brazilian condition. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2014, 49, 696-711.	1.5	14
136	Effect of Pyrolysis Temperature and Feedstock Type on Agricultural Properties and Stability of Biochars. Agricultural Sciences, 2017, 08, 914-933.	0.3	14
137	RotaÃ§Ã£o de culturas no sistema plantio direto em Tibagi (PR): I - Sequestro de carbono no solo. Revista Brasileira De Ciencia Do Solo, 2009, 33, 1013-1022.	1.3	13
138	Effect of no-tillage and amendments on carbon lability in tropical soils. Soil and Tillage Research, 2014, 143, 67-76.	5.6	13
139	Quantity and quality of soil organic matter as a sustainability index under different land uses in Eastern Amazon. Scientia Agricola, 2018, 75, 225-232.	1.2	13
140	Does Sugarcane Straw Removal Change the Abundance of Soil Microbes?. Bioenergy Research, 2019, 12, 901-908.	3.9	13
141	Chemical, Physical, and Hydraulic Properties as Affected by One Year of Miscanthus Biochar Interaction with Sandy and Loamy Tropical Soils. Soil Systems, 2019, 3, 24.	2.6	13
142	Decomposition dynamics altered by straw removal management in the sugarcane-expansion regions in Brazil. Soil Research, 2019, 57, 41.	1.1	13
143	Trade-Offs between Sugarcane Straw Removal and Soil Organic Matter in Brazil. Sustainability, 2020, 12, 9363.	3.2	13
144	High Application Rates of Biochar to Mitigate N2O Emissions From a N-Fertilized Tropical Soil Under Warming Conditions. Frontiers in Environmental Science, 2021, 8, .	3.3	13

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145	Predicting soil C changes after pasture intensification and diversification in Brazil. Catena, 2021, 202, 105238.	5.0	13
146	Developing Cost-Effective Field Assessments of Carbon Stocks in Human-Modified Tropical Forests. PLoS ONE, 2015, 10, e0133139.	2.5	13
147	EmissÃµes de gases de efeito estufa pela deposiÃ§Ã£o de palha de cana-de-aÃ§Ãºcar sobre o solo. Bragantia, 2014, 73, 113-122.	1.3	12
148	Sustainable Sugarcane Straw Special Issue: Considerations for Brazilian Bioenergy Production. Bioenergy Research, 2019, 12, 746-748.	3.9	12
149	Prediction of Sugarcane Yield by Soil Attributes under Straw Removal Management. Agronomy Journal, 2019, 111, 14-23.	1.8	11
150	Soil microstructure alterations induced by land use change for sugarcane expansion in Brazil. Soil Use and Management, 2020, 36, 189-199.	4.9	11
151	Potential of no-till agriculture as a nature-based solution for climate-change mitigation in Brazil. Soil and Tillage Research, 2022, 220, 105368.	5.6	11
152	Recent History of the Agriculture of the Brazilian Amazon Basin. Outlook on Agriculture, 2005, 34, 215-223.	3.4	10
153	Quantification of uncertainties associated with space-time estimates of short-term soil CO2 emissions in a sugar cane area. Agriculture, Ecosystems and Environment, 2013, 167, 33-37.	5.3	10
154	Carbon Balance in Sugarcane Areas Under Different Tillage Systems. Bioenergy Research, 2019, 12, 778-788.	3.9	10
155	Soil biota shift with land use change from pristine rainforest and Savannah (Cerrado) to agriculture in southern Amazonia. Molecular Ecology, 2021, 30, 4899-4912.	3.9	10
156	Beneficial services of Glomalin and Arbuscular Mycorrhizal fungi in degraded soils in Brazil. Scientia Agricola, 2022, 79, .	1.2	10
157	Changes in soil carbon and soil carbon sequestration potential under different types of pasture management in Brazil. Regional Environmental Change, 2022, 22, .	2.9	10
158	The maintenance of soil fertility in Amazonian managed systems. Geophysical Monograph Series, 2009, , 311-336.	0.1	9
159	Recovery of degraded pasture in RondÃ´nia: macronutrients and productivity of brachiaria brizantha. Revista Brasileira De Ciencia Do Solo, 2010, 34, 1711-1720.	1.3	9
160	Activity of soil microbial biomass altered by land use in the southwestern Amazon. Bragantia, 2016, 75, 79-86.	1.3	9
161	Epigeic fauna (with emphasis on ant community) response to land-use change for sugarcane expansion in Brazil. Acta Oecologica, 2021, 110, 103702.	1.1	9
162	Multilocation changes in soil carbon stocks from sugarcane straw removal for bioenergy production in Brazil. GCB Bioenergy, 2021, 13, 1099-1111.	5.6	9

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163	Biochar aging: Impact of pyrolysis temperature on sediment carbon pools and the availability of arsenic and lead. Science of the Total Environment, 2022, 807, 151001.	8.0	9
164	Combining Soil C and N Spatial Variability and Modeling Approaches for Measuring and Monitoring Soil Carbon Sequestration. Environmental Management, 2004, 33, S274.	2.7	8
165	Atributos quÃmicos e qualidade da matÃ©ria orgÃ¢nica do solo em sistemas de colheita de cana-de-aÃ§Ãºcar com e sem queima. Pesquisa Agropecuaria Brasileira, 2016, 51, 1438-1448.	0.9	8
166	Quantifying above and belowground biomass carbon inputs for sugar-cane production in Brazil. Soil Research, 2017, 55, 640.	1.1	8
167	C and N stocks are not impacted by land use change from Brazilian Savanna (Cerrado) to agriculture despite changes in soil fertility and microbial abundances. Journal of Plant Nutrition and Soil Science, 2017, 180, 436-445.	1.9	8
168	Soil Bacterial Community Changes in Sugarcane Fields Under Straw Removal in Brazil. Bioenergy Research, 2019, 12, 830-842.	3.9	8
169	Straw Removal Effects on Sugarcane Root System and Stalk Yield. Agronomy, 2020, 10, 1048.	3.0	8
170	Pastureland intensification and diversification in Brazil mediate soil bacterial community structure changes and soil C accumulation. Applied Soil Ecology, 2021, 160, 103858.	4.3	8
171	Nutrient limitations to secondary forest regrowth. Geophysical Monograph Series, 2009, , 299-309.	0.1	7
172	Diffuse Reflectance Infrared Fourier Transform (DRIFT) Spectroscopy to Assess Decomposition Dynamics of Sugarcane Straw. Bioenergy Research, 2019, 12, 909-919.	3.9	7
173	Biochar and sugar cane filter cake interaction on physical and hydrological soil properties under tropical field conditions. Biochar, 2020, 2, 195-210.	12.6	7
174	Effects of Biochar on the Emissions of Greenhouse Gases from Sugarcane Residues Applied to Soils. Agricultural Sciences, 2017, 08, 869-886.	0.3	7
175	Changes in soil organic matter fractions induced by cropland and pasture expansion in Brazil's new agricultural frontier. Geoderma Regional, 2022, 28, e00474.	2.1	7
176	Sugarcane residue and N-fertilization effects on soil GHG emissions in south-central, Brazil. Biomass and Bioenergy, 2022, 158, 106342.	5.7	7
177	RotaÃ§Ã£o de culturas no sistema plantio direto em Tibagi (PR): II - EmissÃµes de CO2 e N2O. Revista Brasileira De Ciencia Do Solo, 2009, 33, 1023-1029.	1.3	6
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