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List of Publications by Year
in descending order

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62 papers	2,452 citations	201674 27 h-index	214800 47 g-index
62 all docs	62 docs citations	62 times ranked	2287 citing authors

#	Article	IF	Citations
1	Sustainability of sugarcane production in Brazil. A review. Agronomy for Sustainable Development, 2018, 38, 1.	5.3	251
2	Agronomic and environmental implications of sugarcane straw removal: a major review. GCB Bioenergy, 2017, 9, 1181-1195.	5.6	164
3	Comprehensive assessment of sugarcane straw: implications for biomass and bioenergy production. Biofuels, Bioproducts and Biorefining, 2017, 11, 488-504.	3.7	126
4	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
5	Carbon sequestration in agricultural soils in the Cerrado region of the Brazilian Amazon. Soil and Tillage Research, 2009, 103, 342-349.	5.6	102
6	Soil greenhouse gas fluxes from vinasse application in Brazilian sugarcane areas. Geoderma, 2013, 200-201, 77-84.	5.1	89
7	Contribution of aboveâ€•and belowground bioenergy crop residues to soil carbon. GCB Bioenergy, 2017, 9, 1333-1343.	5.6	89
8	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
9	Assessment of sugarcane trash for agronomic and energy purposes in Brazil. Scientia Agricola, 2013, 70, 305-312.	1.2	82
10	Potencial de sequestro de carbono em diferentes biomas do Brasil. Revista Brasileira De Ciencia Do Solo, 2010, 34, 277-290.	1.3	77
11	Soil physical quality response to sugarcane straw removal in Brazil: A multi-approach assessment. Soil and Tillage Research, 2018, 184, 301-309.	5.6	66
12	Carbon stock and humification index of organic matter affected by sugarcane straw and soil management. Scientia Agricola, 2013, 70, 321-326.	1.2	56
13	Greenhouse gas mitigation options in Brazil for land-use change, livestock and agriculture. Scientia Agricola, 2010, 67, 102-116.	1.2	55
14	Environmental and economic impacts of different sugarcane production systems in the ethanol biorefinery. Biofuels, Bioproducts and Biorefining, 2016, 10, 89-106.	3.7	55
15	Technical and economic assessment of trash recovery in the sugarcane bioenergy production system. Scientia Agricola, 2013, 70, 353-360.	1.2	53
16	Sugarcane yield and soil carbon response to straw removal in south-central Brazil. Geoderma, 2018, 328, 79-90.	5.1	52
17	Input of sugarcane post-harvest residues into the soil. Scientia Agricola, 2013, 70, 336-344.	1.2	49
18	Land Use and Management Effects on Sustainable Sugarcane-Derived Bioenergy. Land, 2021, 10, 72.	2.9	43

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19	Soil texture affects root penetration in Oxisols under sugarcane in Brazil. Geoderma Regional, 2018, 13, 15-25.	2.1	42
20	Can reduced tillage sustain sugarcane yield and soil carbon if straw is removed?. Bioenergy Research, 2019, 12, 764-777.	3.9	41
21	Sugarcane Straw Removal: Implications to Soil Fertility and Fertilizer Demand in Brazil. Bioenergy Research, 2019, 12, 888-900.	3.9	40
22	Changes in quantity and quality of soil carbon due to the land-use conversion to sugarcane () Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 627 2017, 240, 54-65.	5.3	38
23	Multilocation Straw Removal Effects on Sugarcane Yield in South-Central Brazil. Bioenergy Research, 2019, 12, 813-829.	3.9	37
24	Straw Removal Affects Soil Physical Quality and Sugarcane Yield in Brazil. Bioenergy Research, 2019, 12, 789-800.	3.9	37
25	Soil physical quality associated with tillage practices during sugarcane planting in south-central Brazil. Soil and Tillage Research, 2019, 195, 104383.	5.6	37
26	Soil health response to sugarcane straw removal in Brazil. Industrial Crops and Products, 2021, 163, 113315.	5.2	33
27	Straw Removal Effects on Soil Water Dynamics, Soil Temperature, and Sugarcane Yield in South-Central Brazil. Bioenergy Research, 2019, 12, 749-763.	3.9	32
28	Contrasting approaches for estimating soil carbon changes in Amazon and Cerrado biomes. Soil and Tillage Research, 2013, 133, 75-84.	5.6	29
29	Crop residue removal and nitrification inhibitor application as strategies to mitigate N2O emissions in sugarcane fields. Biomass and Bioenergy, 2018, 119, 206-216.	5.7	29
30	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
31	Can alternative N-fertilization methods influence GHG emissions and biomass production in sugarcane fields?. Biomass and Bioenergy, 2019, 120, 21-27.	5.7	26
32	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
33	The Arrangement and Spacing of Sugarcane Planting Influence Root Distribution and Crop Yield. Bioenergy Research, 2018, 11, 291-304.	3.9	25
34	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
35	Quantifying soil carbon stocks and greenhouse gas fluxes in the sugarcane agrosystem: point of view. Scientia Agricola, 2013, 70, 361-368.	1.2	21
36	Use of the Decision Tree Technique to Estimate Sugarcane Productivity Under Edaphoclimatic Conditions. Sugar Tech, 2017, 19, 662-668.	1.8	20

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37	Methane emissions from sugarcane vinasse storage and transportation systems: Comparison between open channels and tanks. Atmospheric Environment, 2017, 159, 135-146.	4.1	20
38	How much sugarcane trash should be left on the soil?. Scientia Agricola, 2013, 70, 1-1.	1.2	20
39	Soil Macrofauna Responses to Sugarcane Straw Removal for Bioenergy Production. Bioenergy Research, 2019, 12, 944-957.	3.9	19
40	Soil tillage and cover crop on soil CO₂ emissions from sugarcane fields. Soil Use and Management, 2019, 35, 273-282.	4.9	19
41	Implications of Sugarcane Straw Removal for Soil Greenhouse Gas Emissions in SÃ£o Paulo State, Brazil. Bioenergy Research, 2019, 12, 843-857.	3.9	16
42	Implications of regional N2Oâ€“N emission factors on sugarcane ethanol emissions and granted decarbonization certificates. Renewable and Sustainable Energy Reviews, 2021, 149, 111423.	16.4	16
43	Legume nitrogen credits for sugarcane production: implications for soil N availability and ratoon yield. Nutrient Cycling in Agroecosystems, 2019, 113, 307-322.	2.2	14
44	Long term sugarcane straw removal affects soil phosphorus dynamics. Soil and Tillage Research, 2021, 208, 104898.	5.6	13
45	Sustainable Sugarcane Straw Special Issue: Considerations for Brazilian Bioenergy Production. Bioenergy Research, 2019, 12, 746-748.	3.9	12
46	Planting legume cover crop as a strategy to replace synthetic N fertilizer applied for sugarcane production. Industrial Crops and Products, 2020, 156, 112853.	5.2	12
47	Machinery traffic in sugarcane straw removal operation: Stress transmitted and soil compaction. Soil and Tillage Research, 2021, 213, 105122.	5.6	12
48	MovimentaÃ§Ã£o de nitrato e amÃ´nio em colunas de solo. Ciencia E Agrotecnologia, 2004, 28, 537-541.	1.5	12
49	Changes in Soil Pest Populations Caused by Sugarcane Straw Removal in Brazil. Bioenergy Research, 2019, 12, 878-887.	3.9	10
50	Soil structure changes induced by tillage and reduction of machinery traffic on sugarcane â€“ A diversity of assessment scales. Soil and Tillage Research, 2022, 223, 105469.	5.6	10
51	Biomass Production and Nutrient Removal of Energy Cane Genotypes in Northeastern Brazil. Crop Science, 2019, 59, 379-391.	1.8	9
52	Untrafficked furrowed seedbed sustains soil physical quality in sugarcane mechanized fields. European Journal of Soil Science, 2021, 72, 2150-2164.	3.9	9
53	Multilocation changes in soil carbon stocks from sugarcane straw removal for bioenergy production in Brazil. GCB Bioenergy, 2021, 13, 1099-1111.	5.6	9
54	Use of data mining techniques to classify soil CO2 emission induced by crop management in sugarcane field. PLoS ONE, 2018, 13, e0193537.	2.5	9

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55	Soil tillage and machinery traffic influence soil water availability and air fluxes in sugarcane fields. Soil and Tillage Research, 2022, 223, 105459.	5.6	8
56	The effects of integrated food and bioenergy cropping systems on crop yields, soil health, and biomass quality: The EU and Brazilian experience. GCB Bioenergy, 2022, 14, 522-538.	5.6	6
57	The Agricultural Production Model. Green Energy and Technology, 2016, , 13-51.	0.6	5
58	How do nitrogen fertilization and cover crop influence soil C-N stocks and subsequent yields of sugarcane?. Soil and Tillage Research, 2021, 211, 104999.	5.6	5
59	Classification of soil respiration in areas of sugarcane renewal using decision tree. Scientia Agricola, 2018, 75, 216-224.	1.2	2
60	Shifting abundances of communities associated with nitrogen cycling in soils promoted by sugarcane harvest systems. Letters in Applied Microbiology, 2020, 71, 444-450.	2.2	2
61	Agricultural expansion in the Brazilian state of Mato Grosso; implications for C stocks and greenhouse gas emissions. Environmental Science and Engineering, 2010, , 447-460.	0.2	2
62	Assessment of Soil Physical Quality and Water Flow Regulation under Straw Removal Management in Sugarcane Production Fields. Sustainability, 2022, 14, 841.	3.2	1