

Ricardo de Oliveira Bordonal

List of Publications by Year in descending order

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Version: 2024-02-01

40
papers

1,273
citations

471371

17
h-index

360920

35
g-index

41
all docs

41
docs citations

41
times ranked

1400
citing authors

#	ARTICLE	IF	CITATIONS
1	Sustainability of sugarcane production in Brazil. A review. <i>Agronomy for Sustainable Development</i> , 2018, 38, 1.	2.2	251
2	Agronomic and environmental implications of sugarcane straw removal: a major review. <i>GCB Bioenergy</i> , 2017, 9, 1181-1195.	2.5	164
3	Greenhouse gas balance and carbon footprint of beef cattle in three contrasting pasture-management systems in Brazil. <i>Journal of Cleaner Production</i> , 2017, 142, 420-431.	4.6	104
4	Soil physical quality response to sugarcane straw removal in Brazil: A multi-approach assessment. <i>Soil and Tillage Research</i> , 2018, 184, 301-309.	2.6	66
5	Environmental and economic impacts of different sugarcane production systems in the ethanol biorefinery. <i>Biofuels, Bioproducts and Biorefining</i> , 2016, 10, 89-106.	1.9	55
6	Sugarcane yield and soil carbon response to straw removal in south-central Brazil. <i>Geoderma</i> , 2018, 328, 79-90.	2.3	52
7	Can reduced tillage sustain sugarcane yield and soil carbon if straw is removed?. <i>Bioenergy Research</i> , 2019, 12, 764-777.	2.2	41
8	Sugarcane Straw Removal: Implications to Soil Fertility and Fertilizer Demand in Brazil. <i>Bioenergy Research</i> , 2019, 12, 888-900.	2.2	40
9	Changes in quantity and quality of soil carbon due to the land-use conversion to sugarcane () Tj ETQq1 1 0.784314 rgBT /Overlock 10 2017, 240, 54-65.	2.5	38
10	Multilocation Straw Removal Effects on Sugarcane Yield in South-Central Brazil. <i>Bioenergy Research</i> , 2019, 12, 813-829.	2.2	37
11	Straw Removal Affects Soil Physical Quality and Sugarcane Yield in Brazil. <i>Bioenergy Research</i> , 2019, 12, 789-800.	2.2	37
12	Soil physical quality associated with tillage practices during sugarcane planting in south-central Brazil. <i>Soil and Tillage Research</i> , 2019, 195, 104383.	2.6	37
13	Greenhouse gas balance due to the conversion of sugarcane areas from burned to green harvest, considering other conservationist management practices. <i>GCB Bioenergy</i> , 2012, 4, 846-858.	2.5	33
14	Soil health response to sugarcane straw removal in Brazil. <i>Industrial Crops and Products</i> , 2021, 163, 113315.	2.5	33
15	Greenhouse gas balance from cultivation and direct land use change of recently established sugarcane (<i>Saccharum officinarum</i>) plantation in south-central Brazil. <i>Renewable and Sustainable Energy Reviews</i> , 2015, 52, 547-556.	8.2	27
16	Greenhouse gas emission estimate in sugarcane irrigation in Brazil: is it possible to reduce it, and still increase crop yield?. <i>Journal of Cleaner Production</i> , 2016, 112, 3988-3997.	4.6	27
17	Greenhouse gas mitigation potential from green harvested sugarcane scenarios in SÃ£o Paulo State, Brazil. <i>Biomass and Bioenergy</i> , 2013, 59, 195-207.	2.9	24
18	Sustainable intensification of sugarcane production under irrigation systems, considering climate interactions and agricultural efficiency. <i>Journal of Cleaner Production</i> , 2018, 204, 861-871.	4.6	20

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19	Implications of Sugarcane Straw Removal for Soil Greenhouse Gas Emissions in São Paulo State, Brazil. <i>Bioenergy Research</i> , 2019, 12, 843-857.	2.2	16
20	Mapping the environmental and techno-economic potential of biojet fuel production from biomass residues in Brazil. <i>Biofuels, Bioproducts and Biorefining</i> , 2021, 15, 282-304.	1.9	16
21	Implications of regional N ₂ O emission factors on sugarcane ethanol emissions and granted decarbonization certificates. <i>Renewable and Sustainable Energy Reviews</i> , 2021, 149, 111423.	8.2	16
22	Greenhouse gas emissions in conversion from extensive pasture to other agricultural systems in the Andean region of Colombia. <i>Environment, Development and Sustainability</i> , 2019, 21, 249-262.	2.7	14
23	Long term sugarcane straw removal affects soil phosphorus dynamics. <i>Soil and Tillage Research</i> , 2021, 208, 104898.	2.6	13
24	Machinery traffic in sugarcane straw removal operation: Stress transmitted and soil compaction. <i>Soil and Tillage Research</i> , 2021, 213, 105122.	2.6	12
25	Changes in Soil Pest Populations Caused by Sugarcane Straw Removal in Brazil. <i>Bioenergy Research</i> , 2019, 12, 878-887.	2.2	10
26	Short-term impacts of high levels of nitrogen fertilization on soil carbon dynamics in a tropical pasture. <i>Catena</i> , 2019, 174, 413-416.	2.2	10
27	Avoiding burning practice and its consequences on the greenhouse gas emission in sugarcane areas southern Brazil. <i>Environmental Science and Pollution Research</i> , 2022, 29, 719-730.	2.7	10
28	Soil structure changes induced by tillage and reduction of machinery traffic on sugarcane – A diversity of assessment scales. <i>Soil and Tillage Research</i> , 2022, 223, 105469.	2.6	10
29	Soil CO ₂ Emissions and Correlations with Soil Properties in Degraded and Managed Pastures in Southern Brazil. <i>Land Degradation and Development</i> , 2017, 28, 1263-1273.	1.8	9
30	Untrafficked furrowed seedbed sustains soil physical quality in sugarcane mechanized fields. <i>European Journal of Soil Science</i> , 2021, 72, 2150-2164.	1.8	9
31	Multilocation changes in soil carbon stocks from sugarcane straw removal for bioenergy production in Brazil. <i>GCB Bioenergy</i> , 2021, 13, 1099-1111.	2.5	9
32	Implications of regional agricultural land use dynamics and deforestation associated with sugarcane expansion for soil carbon stocks in Brazil. <i>Regional Environmental Change</i> , 2022, 22, 1.	1.4	9
33	Microscale Analyses of Mineral Particles in Sugar Cane Bagasse and Straw Shed Light on How Debris Can Be Incorporated into Biomass. <i>Energy & Fuels</i> , 2019, 33, 9965-9973.	2.5	6
34	How do nitrogen fertilization and cover crop influence soil C-N stocks and subsequent yields of sugarcane?. <i>Soil and Tillage Research</i> , 2021, 211, 104999.	2.6	5
35	A Multivariate Approach to Determine the Economic Profitability of Sugarcane Production Under Diverse Climatic Conditions in Brazil. <i>Sugar Tech</i> , 2020, 22, 954-966.	0.9	4
36	Temporal Variability of Soil CO ₂ Emission Contrasting Degraded and Managed Pasture in Brazil. <i>Procedia Environmental Sciences</i> , 2015, 29, 100-101.	1.3	3

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37	Carbon sequestration associated to the land-use and land-cover changes in the forestry sector in Southern Brazil. , 2016, , .		2
38	Soil carbon stock estimations: methods and a case study of the Maranhão State, Brazil. Environment, Development and Sustainability, 2021, 23, 16410-16427.	2.7	2
39	Evaluation of Nitrogen Fertilization in Sugarcane Leaves Using Laser-Induced Breakdown Spectroscopy (LIBS) Coupled with Principal Component Analysis (PCA). , 2018, , .		1
40	Sugarcane Fields: Harvest Systems and Residue Management. , 2017, , 2231-2237.		0