

Lucas Amaral

List of Publications by Year in descending order

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37
papers

537
citations

687363

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713466

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all docs

37
docs citations

37
times ranked

620
citing authors

#	ARTICLE	IF	CITATIONS
1	Improving soil organic carbon mapping with a field-specific calibration approach through diffuse reflectance spectroscopy and machine learning algorithms. <i>Soil Use and Management</i> , 2022, 38, 292-303.	4.9	4
2	Nitrogen variability assessment of pasture fields under an integrated crop-livestock system using UAV, PlanetScope, and Sentinel-2 data. <i>Computers and Electronics in Agriculture</i> , 2022, 193, 106645.	7.7	19
3	Improving soil property maps for precision agriculture in the presence of outliers using covariates. <i>Precision Agriculture</i> , 2022, 23, 1575-1603.	6.0	9
4	The importance of modeling the effects of trend and anisotropy on soil fertility maps. <i>Computers and Electronics in Agriculture</i> , 2022, 196, 106877.	7.7	6
5	Evaluating the synergy of three soil spectrometers for improving the prediction and mapping of soil properties in a high anthropic management area: A case of study from Southeast Brazil. <i>Geoderma</i> , 2021, 402, 115347.	5.1	8
6	Novel Tools for Adjusting Spatial Variability in the Early Sugarcane Breeding Stage. <i>Frontiers in Plant Science</i> , 2021, 12, 749533.	3.6	6
7	SOIL PROPERTIES MAPPING USING PROXIMAL AND REMOTE SENSING AS COVARIATE. <i>Engenharia Agricola</i> , 2021, 41, 634-642.	0.7	2
8	Spectral differentiation of sugarcane from weeds. <i>Biosystems Engineering</i> , 2020, 190, 41-46.	4.3	13
9	Estimation of soil phosphorus availability via visible and near-infrared spectroscopy. <i>Scientia Agricola</i> , 2020, 77, .	1.2	5
10	UAV applications in Agriculture 4.0. <i>Revista Ciencia Agronomica</i> , 2020, 51, .	0.3	10
11	Biometric characteristics and canopy reflectance association for early-stage sugarcane biomass prediction. <i>Scientia Agricola</i> , 2019, 76, 274-280.	1.2	4
12	3D-Printed Graphene Electrodes Applied in an Impedimetric Electronic Tongue for Soil Analysis. <i>Chemosensors</i> , 2019, 7, 50.	3.6	17
13	Influence of soil sample preparation on the quantification of NPK content via spectroscopy. <i>Geoderma</i> , 2019, 338, 401-409.	5.1	23
14	SPATIAL DEPENDENCE DEGREE AND SAMPLING NEIGHBORHOOD INFLUENCE ON INTERPOLATION PROCESS FOR FERTILIZER PRESCRIPTION MAPS. <i>Engenharia Agricola</i> , 2019, 39, 85-95.	0.7	10
15	Canopy sensor placement for variable-rate nitrogen application in sugarcane fields. <i>Precision Agriculture</i> , 2018, 19, 147-160.	6.0	19
16	3D Printed e-Tongue. <i>Frontiers in Chemistry</i> , 2018, 6, 151.	3.6	30
17	Early stage sugarcane biomass accumulation prediction by proximal sensing and crop parameters. <i>Advances in Animal Biosciences</i> , 2017, 8, 216-219.	1.0	0
18	Microfluidic Electronic Tongue Applied to Soil Analysis. <i>Chemosensors</i> , 2017, 5, 14.	3.6	26

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19	Algorithm for Variable-Rate Nitrogen Application in Sugarcane Based on Active Crop Canopy Sensor. <i>Agronomy Journal</i> , 2015, 107, 1513-1523.	1.8	23
20	Sugarcane response to nitrogen rates, measured by a canopy reflectance sensor. <i>Pesquisa Agropecuaria Brasileira</i> , 2015, 50, 840-848.	0.9	5
21	Comparison of crop canopy reflectance sensors used to identify sugarcane biomass and nitrogen status. <i>Precision Agriculture</i> , 2015, 16, 15-28.	6.0	62
22	The Effectiveness of Three Vegetation Indices Obtained from a Canopy Sensor in Identifying Sugarcane Response to Nitrogen. <i>Agronomy Journal</i> , 2014, 106, 273-280.	1.8	27
23	Seletividade de herbicidas em variedades de cana-de-açúcar. <i>Bragantia</i> , 2011, 70, 286-293.	1.3	11
24	Sensor óptico no auxílio à recomendação de adubação nitrogenada em cana-de-açúcar. <i>Pesquisa Agropecuaria Brasileira</i> , 2011, 46, 1633-1642.	0.9	8
25	Capacidade de um sensor óptico em quantificar a resposta da cana-de-açúcar a doses de nitrogênio. <i>Revista Brasileira De Engenharia Agrícola E Ambiental</i> , 2010, 14, 1345-1349.	1.1	12
26	Eficiência de herbicidas em diferentes quantidades de palha de cana-de-açúcar no controle de <i>Ipomoea grandifolia</i> . <i>Bragantia</i> , 2009, 68, 367-372.	1.3	4
27	Efeito de adubos verdes na supressão de espécies de plantas daninhas. <i>Planta Daninha</i> , 2009, 27, 85-95.	0.5	40
28	Eficiência de herbicidas aplicados em diferentes épocas e espécies daninhas em área de cana-de-açúcar colhida mecanicamente. <i>Planta Daninha</i> , 2009, 27, 309-317.	0.5	9
29	Eficiência de herbicidas aplicados em diferentes épocas sobre <i>B. pilosa</i> e <i>I. quamo-clit</i> em área de cana-de-açúcar colhida mecanicamente. <i>Planta Daninha</i> , 2009, 27, 563-570.	0.5	4
30	Deficiência hídrica, trocas gasosas e crescimento de raízes em laranjeira "Valência" sobre dois tipos de porta-enxertos. <i>Bragantia</i> , 2008, 67, 75-82.	1.3	43
31	Lixiviação de clomazone + ametryn, diuron + hexazinone e isoxaflutole em dois tipos de solo. <i>Planta Daninha</i> , 2008, 26, 685-691.	0.5	8
32	Mapas de infestação de plantas daninhas em diferentes Sistemas de colheita da cana-de-açúcar. <i>Planta Daninha</i> , 2008, 26, 47-55.	0.5	22
33	Eficiência de herbicidas pré-emergentes após períodos de seca. <i>Planta Daninha</i> , 2008, 26, 185-193.	0.5	11
34	Potencial de lixiviação de herbicidas no solo submetidos a diferentes simulações de precipitação. <i>Planta Daninha</i> , 2008, 26, 403-409.	0.5	13
35	Mobilidade e persistência de herbicidas aplicados em pré-emergência em diferentes solos. <i>Planta Daninha</i> , 2008, 26, 411-417.	0.5	8
36	Eficiência de herbicidas em diferentes quantidades de palha de cana-de-açúcar no controle de <i>Euphorbia heterophylla</i> . <i>Planta Daninha</i> , 2007, 25, 613-619.	0.5	15

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37	Delineation of management zones in integrated crop-livestock systems. Agronomy Journal, 0, , .	1.8	1