

Gabriel Araújo E Silva Ferraz

List of Publications by Year in descending order

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Version: 2024-02-01

64
papers

503
citations

759055

12
h-index

839398

18
g-index

70
all docs

70
docs citations

70
times ranked

360
citing authors

#	ARTICLE	IF	CITATIONS
1	Spatial distribution of bed variables, animal welfare indicators, and milk production in a closed compost-bedded pack barn with a negative tunnel ventilation system. <i>Journal of Thermal Biology</i> , 2022, 105, 103111.	1.1	11
2	Characterization of Recently Planted Coffee Cultivars from Vegetation Indices Obtained by a Remotely Piloted Aircraft System. <i>Sustainability</i> , 2022, 14, 1446.	1.6	12
3	Spatial variability of soil physical properties in longitudinal profiles. <i>Anais Da Academia Brasileira De Ciencias</i> , 2022, 94, e20200411.	0.3	3
4	Estimate and Temporal Monitoring of Height and Diameter of the Canopy of Recently Transplanted Coffee by a Remotely Piloted Aircraft System. <i>AgriEngineering</i> , 2022, 4, 207-215.	1.7	4
5	Digital Terrain Modelling by Remotely Piloted Aircraft: Optimization and Geometric Uncertainties in Precision Coffee Growing Projects. <i>Remote Sensing</i> , 2022, 14, 911.	1.8	5
6	Vegetation Indices Applied to Suborbital Multispectral Images of Healthy Coffee and Coffee Infested with Coffee Leaf Miner. <i>AgriEngineering</i> , 2022, 4, 311-319.	1.7	6
7	Overlap influence in images obtained by an unmanned aerial vehicle on a digital terrain model of altimetric precision. <i>European Journal of Remote Sensing</i> , 2022, 55, 263-276.	1.7	8
8	Spatial variability characterization of acoustic discomfort and zone of admissible noise caused by micro-tractor. <i>Revista Facultad Nacional De Agronomia Medellin</i> , 2022, 75, .	0.2	0
9	Spatial analysis of microclimatic variables in compost-bedded pack barn with evaporative tunnel cooling. <i>Anais Da Academia Brasileira De Ciencias</i> , 2022, 94, .	0.3	5
10	Influence of flight altitude and control points in the georeferencing of images obtained by unmanned aerial vehicle. <i>European Journal of Remote Sensing</i> , 2021, 54, 59-71.	1.7	18
11	Assessment of spatial variability of bedding variables in compost bedded pack barns with climate control system. <i>Anais Da Academia Brasileira De Ciencias</i> , 2021, 93, e20200384.	0.3	9
12	Remotely Piloted Aircraft and Random Forest in the Evaluation of the Spatial Variability of Foliar Nitrogen in Coffee Crop. <i>Remote Sensing</i> , 2021, 13, 1471.	1.8	15
13	Unmanned aerial vehicle to evaluate frost damage in coffee plants. <i>Precision Agriculture</i> , 2021, 22, 1845-1860.	3.1	8
14	Factors affecting evaporation of water from cattle bedding materials. <i>Biosystems Engineering</i> , 2021, 205, 164-173.	1.9	6
15	Application of RGB Images Obtained by UAV in Coffee Farming. <i>Remote Sensing</i> , 2021, 13, 2397.	1.8	19
16	Monitoring Errors of Semi-Mechanized Coffee Planting by Remotely Piloted Aircraft. <i>Agronomy</i> , 2021, 11, 1224.	1.3	12
17	Effect of the Spatial Distribution of the Temperature and Humidity Index in a New Zealand White Rabbit House on Respiratory Frequency and Ear Surface Temperature. <i>Animals</i> , 2021, 11, 1657.	1.0	2
18	Advances in Precision Coffee Growing Research: A Bibliometric Review. <i>Agronomy</i> , 2021, 11, 1557.	1.3	13

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19	Detecting coffee leaf rust with UAV-based vegetation indices and decision tree machine learning models. <i>Computers and Electronics in Agriculture</i> , 2021, 190, 106476.	3.7	34
20	UAV-based coffee yield prediction utilizing feature selection and deep learning. <i>Smart Agricultural Technology</i> , 2021, 1, 100010.	3.1	19
21	Determining the Leaf Area Index and Percentage of Area Covered by Coffee Crops Using UAV RGB Images. <i>IEEE Journal of Selected Topics in Applied Earth Observations and Remote Sensing</i> , 2020, 13, 6401-6409.	2.3	20
22	Evaluation of the Physical Properties of Bedding Materials for Dairy Cattle Using Fuzzy Clustering Analysis. <i>Animals</i> , 2020, 10, 351.	1.0	8
23	Fuzzy-genetic approaches to knowledge discovery and decision making: Estimation of the cloacal temperature of chicks exposed to different thermal conditions. <i>Biosystems Engineering</i> , 2020, 199, 109-120.	1.9	6
24	Characterization of the Transverse Distribution of Fertilizer in Coffee Plantations. <i>Agronomy</i> , 2020, 10, 601.	1.3	2
25	Biophysical parameters of coffee crop estimated by UAV RGB images. <i>Precision Agriculture</i> , 2020, 21, 1227-1241.	3.1	28
26	Properties of conventional and alternative bedding materials for dairy cattle. <i>Journal of Dairy Science</i> , 2020, 103, 8661-8674.	1.4	19
27	Comparative economic analysis of soil sampling methods used in precision agriculture. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020, 92, e20190277.	0.3	1
28	Physical Properties of Miscanthus Grass and Wheat Straw as Bedding Materials for Dairy Cattle. <i>Lecture Notes in Civil Engineering</i> , 2020, , 239-246.	0.3	0
29	Monitoring of Coffee Tree Growth Through Crop Surface Models and MGRVI with Images Obtained with RPA. <i>Lecture Notes in Civil Engineering</i> , 2020, , 757-763.	0.3	0
30	Characterization of noise emitted by a low-profile tractor and its influence on the health of rural workers. <i>Anais Da Academia Brasileira De Ciencias</i> , 2020, 92, e20200460.	0.3	2
31	Spatial variability of enthalpy in rabbit house with and without ridge vent. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2019, 23, 126-132.	0.4	4
32	Welfare and spatial distribution of noise levels in swine nursery. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2019, 23, 196-202.	0.4	0
33	Characterization of noise emitted by a power tiller through geostatistics. <i>Revista Brasileira De Engenharia Agricola E Ambiental</i> , 2019, 23, 223-228.	0.4	3
34	Spatial variability of soil pH sampled by two methodologies used in precision agriculture in farms under crop rotation. <i>DYNA (Colombia)</i> , 2019, 86, 289-297.	0.2	3
35	Decision Trees for Predicting the Physiological Responses of Rabbits. <i>Animals</i> , 2019, 9, 994.	1.0	4
36	Bioclimatic zoning and trend analysis applied to broilers. <i>Arquivo Brasileiro De Medicina Veterinaria E Zootecnia</i> , 2019, 71, 1631-1638.	0.1	1

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37	CLIMATE CHANGE AND RURAL WORKERS THERMAL COMFORT: HISTORICAL AND FUTURE IMPACTS. Engenharia Agricola, 2018, 38, 173-179.	0.2	1
38	Use of classifier to determine coffee harvest time by detachment force. Revista Brasileira De Engenharia Agricola E Ambiental, 2018, 22, 366-370.	0.4	6
39	Genetic fuzzy system for prediction of respiratory rate of chicks subject to thermal challenges. Revista Brasileira De Engenharia Agricola E Ambiental, 2018, 22, 412-417.	0.4	5
40	Spatial and temporal distribution of enthalpy in aviary heated by industrial furnace. Revista Ceres, 2018, 65, 346-355.	0.1	2
41	Study the spatial variability of the noise levels inside two commercial poultry housing with different adiabatic evaporative cooling systems. DYNA (Colombia), 2018, 85, 9-15.	0.2	3
42	Plant sampling grid determination in precision agriculture in coffee field. Coffee Science, 2018, 13, 112.	0.5	4
43	Geostatistical analysis of Arabic coffee yield in two crop seasons. Revista Brasileira De Engenharia Agricola E Ambiental, 2017, 21, 410-414.	0.4	13
44	Methodology to determine the soil sampling grid for precision agriculture in a coffee field. DYNA (Colombia), 2017, 84, 316-325.	0.2	4
45	Management zones in coffee cultivation. Revista Brasileira De Engenharia Agricola E Ambiental, 2017, 21, 94-99.	0.4	5
46	Performance of chicks subjected to thermal challenge. Pesquisa Agropecuaria Brasileira, 2017, 52, 113-120.	0.9	7
47	Comparativo entre os atributos químicos do solo amostrados de forma convencional e em malha. Coffee Science, 2017, 12, 17.	0.5	6
48	Variáveis meteorológicas e da umidade do solo na força de desprendimento dos frutos do café. Coffee Science, 2017, 12, 480.	0.5	2
49	Spatial variability of plant attributes in a coffee plantation. Revista Ciencia Agronomica, 2017, 48, .	0.1	14
50	Spatial variability of enthalpy in broiler house during the heating phase. Revista Brasileira De Engenharia Agricola E Ambiental, 2016, 20, 570-575.	0.4	12
51	SPACIAL ILLUMINANCES VARIABILITY AND ENERGY CONSUMPTION IN AVIARIES FOR LAYING HENS EQUIPED WITH COMPACT FLUORESCENT LAMPS AND LIGHT EMITTING DIODE. Engenharia Agricola, 2016, 36, 962-971.	0.2	8
52	Variabilidade espacial da força de desprendimento de frutos do cafeeiro. Engenharia Agricola, 2014, 34, 1210-1223.	0.2	7
53	Geospatial analysis of ecological vulnerability of coffee agroecosystems in Brazil. Applied Geomatics, 2013, 5, 87-97.	1.2	9
54	Spatial variability of air dry bulb temperature and black globe humidity index in a broiler house during the heating phase. Engenharia Agricola, 2013, 33, 433-444.	0.2	5

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55	Spatial Variability of Air Temperature In A Broiler House During The Heating Phase. , 2012, , .		0
56	Variabilidade espacial e temporal do fósforo, potássio e da produtividade de uma lavoura cafeeira. Engenharia Agrícola, 2012, 32, 140-150.	0.2	22
57	Geostatistical analysis of fruit yield and detachment force in coffee. Precision Agriculture, 2012, 13, 76-89.	3.1	34
58	Viabilidade econômica do sistema de adubação diferenciado comparado ao sistema de adubação convencional em lavoura cafeeira: um estudo de caso. Engenharia Agrícola, 2011, 31, 906-915.	0.2	7
59	Comparative analysis of soil-sampling methods used in precision agriculture. Journal of Agricultural Engineering, 0, , .	0.7	2
60	Spatial variability of chlorophyll content in a Tifton 85 bermudagrass pasture in a tropical region. Revista Engenharia Na Agricultura - REVENG, 0, 29, 254-262.	0.2	0
61	Technical and economic viability of manual harvesting coffee yield maps. Coffee Science, 0, 15, 1-5.	0.5	2
62	Technical and economic evaluation of different operating modes for mechanized fertilizer application in coffee plantations. Coffee Science, 0, 15, 1-6.	0.5	0
63	Supervised classification and NDVI calculation from remote piloted aircraft images for coffee plantations applications. Coffee Science, 0, 16, 1-9.	0.5	0
64	Aerial images to monitor grapevine vegetative growth. Revista Engenharia Na Agricultura - REVENG, 0, 30, 166-174.	0.2	0