Nilton Curi

List of Publications by Citations

154 papers	2,655 citations	27 h-index	43 g-index
165 ext. papers	3,274 ext. citations	3.5 avg, IF	5.35 L-index

#	Paper	IF	Citations
154	Soil erosion prediction in the Grande River Basin, Brazil using distributed modeling. *Catena*, **2009**, 79, 49-59	5.8	167
153	Toposequence of Oxisols from the Central Plateau of Brazil. *Soil Science Society of America Journal*, **1984**, 48, 341-346	2.5	121
152	Trace element geochemistry in Brazilian Cerrado soils. *Geoderma*, **2004**, 121, 31-43	6.7	117
151	Mineralogia da fração argila e estrutura de latossolos da região sudeste do Brasil. *Revista Brasileira De Ciencia Do Solo*, **1999**, 23, 507-514	1.5	94
150	Influência da mineralogia da fração argila nas propriedades físicas de latossolos da região sudeste do Brasil. *Revista Brasileira De Ciencia Do Solo*, **1999**, 23, 515-524	1.5	89
149	Major element geochemistry and geomorphic relationships in Brazilian Cerrado soils. *Geoderma*, **2004**, 119, 179-195	6.7	70
148	Effect of Parent Rocks on Chemical and Mineralogical Properties of Some Oxisols in Brazil. *Soil Science Society of America Journal*, **1987**, 51, 153-158	2.5	65
147	Erosividade mensal e anual da chuva no Estado de Minas Gerais. *Pesquisa Agropecuaria Brasileira*, **2007**, 42, 537-545	1.8	53
146	The Brazilian Soil Spectral Library (BSSL): A general view, application and challenges. *Geoderma*, **2019**, 354, 113793	6.7	52
145	Multiple linear regression and random forest to predict and map soil properties using data from portable X-ray fluorescence spectrometer (pXRF). *Ciencia E Agrotecnologia*, **2017**, 41, 648-664	1.6	50
144	Proximal Sensing and Digital Terrain Models Applied to Digital Soil Mapping and Modeling of Brazilian Latosols (Oxisols). *Remote Sensing*, **2016**, 8, 614	5	42
143	Iron oxides in soils of different lithological origins in Ferriferous Quadrilateral (Minas Gerais, Brazil). *Applied Clay Science*, **2015**, 118, 1-7	5.2	39
142	Tracing tropical soil parent material analysis via portable X-ray fluorescence (pXRF) spectrometry in Brazilian Cerrado. *Geoderma*, **2019**, 337, 718-728	6.7	39
141	Sea surface temperature (SST) and rainfall erosivity in the Upper Grande River Basin, southeast Brazil. *Ciencia E Agrotecnologia*, **2012**, 36, 53-59	1.6	38
140	Modelling spatially distributed soil losses and sediment yield in the upper Grande River Basin - Brazil. *Catena*, **2017**, 157, 139-150	5.8	35
139	Soil moisture in the root zone and its relation to plant vigor assessed by remote sensing at management scale. *Geoderma*, **2014**, 221-222, 91-95	6.7	35
138	Soil weathering analysis using a portable X-ray fluorescence (PXRF) spectrometer in an Inceptisol from the Brazilian Cerrado. *Applied Clay Science*, **2018**, 162, 27-37	5.2	35

137	Preconsolidation pressure, soil water retention characteristics, and texture of Latosols in the Brazilian Cerrado. *Soil Research*, **2013**, 51, 193	1.8	34
136	Strength attributes and compaction susceptibility of Brazilian Latosols. *Soil and Tillage Research*, **2009**, 105, 122-127	6.5	34
135	Increasing arsenic sorption on red mud by phosphogypsum addition. *Journal of Hazardous Materials* , **2013**, 262, 1196-203	12.8	33
134	Erosividade da chuva e erodibilidade de Cambissolo e Latossolo na regiõ de Lavras, sul de Minas Gerais. *Revista Brasileira De Ciencia Do Solo*, **2009**, 33, 1811-1820	1.5	33
133	Perdas de solo, gua, nutrientes e carbono orgnico em Cambissolo e Latossolo sob chuva natural. *Pesquisa Agropecuaria Brasileira*, **2005**, 40, 1223-1230	1.8	33
132	Occasional tillage in no-tillage systems: A global meta-analysis. *Science of the Total Environment*, **2020**, 745, 140887	10.2	33
131	Elemental analysis of Cerrado agricultural soils via portable X-ray fluorescence spectrometry: Inferences for soil fertility assessment. *Geoderma*, **2019**, 353, 264-272	6.7	30
130	Solum depth spatial prediction comparing conventional with knowledge-based digital soil mapping approaches. *Scientia Agricola*, **2014**, 71, 316-323	2.5	29
129	Soil texture prediction in tropical soils: A portable X-ray fluorescence spectrometry approach. *Geoderma*, **2020**, 362, 114136	6.7	29
128	Soil erosion risk associated with climate change at Mantaro River basin, Peruvian Andes. *Catena*, **2016**, 147, 110-124	5.8	27
127	Retrieving pedologists mental model from existing soil map and comparing data mining tools for refining a larger area map under similar environmental conditions in Southeastern Brazil. *Geoderma* , **2016**, 267, 65-77	6.7	27
126	Agricultural watershed modeling: a review for hydrology and soil erosion processes. *Ciencia E Agrotecnologia*, **2016**, 40, 7-25	1.6	27
125	Portable X-ray fluorescence (pXRF) spectrometry applied to the prediction of chemical attributes in Inceptisols under different land uses. *Ciencia E Agrotecnologia*, **2018**, 42, 501-512	1.6	27
124	Relation of strength and mineralogical attributes in Brazilian latosols. *Soil and Tillage Research*, **2009**, 102, 14-18	6.5	26
123	Tropical soils characterization at low cost and time using portable X-ray fluorescence spectrometer (pXRF): Effects of different sample preparation methods. *Ciencia E Agrotecnologia*, **2018**, 42, 80-92	1.6	26
122	Soil subgroup prediction via portable X-ray fluorescence and visible near-infrared spectroscopy. *Geoderma*, **2020**, 365, 114212	6.7	23
121	Spatial prediction of soilâwater transmissivity based on fuzzy logic in a Brazilian headwater watershed. *Catena*, **2016**, 143, 26-34	5.8	23
120	A soil compaction diagnosis method for occasional tillage recommendation under continuous no tillage system in Brazil. *Soil and Tillage Research*, **2019**, 194, 104307	6.5	23

119	P-sorption and desorption in Savanna Brazilian soils as a support for phosphorus fertilizer management. *Ciencia E Agrotecnologia*, **2013**, 37, 521-530	1.6	23
118	Soil horizon variation: A review. *Advances in Agronomy*, **2020**, 160, 125-185	7.7	23
117	Critical soil moisture range for a coffee crop in an oxidic latosol as affected by soil management. *Soil and Tillage Research*, **2015**, 154, 103-113	6.5	21
116	Digital soil mapping approach based on fuzzy logic and field expert knowledge. *Ciencia E Agrotecnologia*, **2013**, 37, 287-298	1.6	21
115	ndices de erosividade da chuva, perdas de solo e fator erodibilidade para dois solos da regi dos cerrados - primeira aproxima. *Revista Brasileira De Ciencia Do Solo*, **1997**, 21, 427-434	1.5	21
114	Maghemite quantification and magnetic signature of Brazilian soils with contrasting parent materials. *Applied Clay Science*, **2018**, 161, 385-394	5.2	21
113	Selenium and mercury in Brazilian Cerrado soils and their relationships with physical and chemical soil characteristics. *Chemosphere*, **2019**, 218, 412-415	8.4	20
112	Gypsum effects on the spatial distribution of coffee roots and the pores system in oxidic Brazilian Latosol. *Soil and Tillage Research*, **2015**, 145, 171-180	6.5	19
111	Parent material distribution mapping from tropical soils data via machine learning and portable X-ray fluorescence (pXRF) spectrometry in Brazil. *Geoderma*, **2019**, 354, 113885	6.7	19
110	Caracteriza de xidos de ferro de solos do ambiente tabuleiros costeiros. *Revista Brasileira De Ciencia Do Solo*, **2008**, 32, 1017-1031	1.5	19
109	Rela entre atributos fsicos, mineralogia da fra argila e formas de alumnio no solo. *Revista Brasileira De Ciencia Do Solo*, **2003**, 27, 01-09	1.5	19
108	Spatial variability of the rainfall erosivity in southern region of Minas Gerais state, Brazil. *Ciencia E Agrotecnologia*, **2012**, 36, 533-542	1.6	19
107	Soil texture prediction using portable X-ray fluorescence spectrometry and visible near-infrared diffuse reflectance spectroscopy. *Geoderma*, **2020**, 376, 114553	6.7	18
106	The Influence of Soil Moisture on Oxide Determination in Tropical Soils via Portable X-ray Fluorescence. *Soil Science Society of America Journal*, **2018**, 82, 632-644	2.5	18
105	Prediction of soil fertility via portable X-ray fluorescence (pXRF) spectrometry and soil texture in the Brazilian Coastal Plains. *Geoderma*, **2020**, 357, 113960	6.7	18
104	pXRF in tropical soils: Methodology, applications, achievements and challenges. *Advances in Agronomy*, **2021**, 1-62	7.7	18
103	Propriedades cristalogrficas de caulinitas de solos do ambiente tabuleiros costeiros, Amazia e Recncavo Baiano. *Revista Brasileira De Ciencia Do Solo*, **2008**, 32, 1857-1872	1.5	17
102	Reten e dessor competitivas de ions inorgnicos em gibbsita natural de solo. *Pesquisa Agropecuaria Brasileira*, **2007**, 42, 1627-1633	1.8	17

101	Mapping soils in two watersheds using legacy data and extrapolation for similar surrounding areas. *Ciencia E Agrotecnologia*, **2016**, 40, 534-546	1.6	17
100	Soil moisture associated with least limiting water range, leaf water potential, initial growth and yield of coffee as affected by soil management system. *Soil and Tillage Research*, **2019**, 189, 36-43	6.5	17
99	Rapid soil fertility prediction using X-ray fluorescence data and machine learning algorithms. *Catena*, **2021**, 197, 105003	5.8	17
98	Advances in Tropical Soil Characterization via Portable X-Ray Fluorescence Spectrometry. *Pedosphere*, **2019**, 29, 468-482	5	16
97	Mineralogia, quÍmica e micromorfologia de solos de uma microbacia nos tabuleiros costeiros do EspÍrito Santo. *Pesquisa Agropecuaria Brasileira*, **2000**, 35, 1237-1250	1.8	16
96	Spatial prediction of soil properties in two contrasting physiographic regions in Brazil. *Scientia Agricola*, **2016**, 73, 274-285	2.5	16
95	From sensor data to Munsell color system: Machine learning algorithm applied to tropical soil color classification via NixâPro sensor. *Geoderma*, **2020**, 375, 114471	6.7	15
94	Soil management and diverse crop rotation can mitigate early-stage no-till compaction and improve least limiting water range in a Ferralsol. *Agricultural Water Management*, **2021**, 243, 106523	5.9	15
93	Competitive Sorption of Arsenate and Phosphate on Aluminum Mining By-product. *Water, Air, and Soil Pollution*, **2012**, 223, 5433-5444	2.6	14
92	Levantamento pedolÍgico e sistema de informaÇÕes geogrÁficas naavaliaÇÃo do uso das terras em sub-bacia hidrogrÁfica de Minas Gerais. *Ciencia E Agrotecnologia*, **2009**, 33, 1544-1553	1.6	14
91	Adsorption and availability of phosphorus in response to humic acid rates in soils limed with CaCO3 or MgCO3. *Ciencia E Agrotecnologia*, **2018**, 42, 7-20	1.6	14
90	SorÇÃo de selÉnio em solos do bioma cerrado. *Revista Brasileira De Ciencia Do Solo*, **2011**, 35, 1995-2003	1.5	13
89	Assessment of Vulnerability of Oxisols to Compaction in the Cerrado Region of Brazil. *Pedosphere*, **2010**, 20, 252-260	5	13
88	AdsorÇÃo e dessorÇÃo aniÔnicas individuais por gibbsita pedogenÉtica. *Quimica Nova*, **2009**, 32, 99-105	1.6	13
87	Using pedological knowledge to improve sediment source apportionment in tropical environments. *Journal of Soils and Sediments*, **2019**, 19, 3274-3289	3.4	12
86	Do different arbuscular mycorrhizal fungi affect the formation and stability of soil aggregates?. *Ciencia E Agrotecnologia*, **2019**, 43,	1.6	12
85	CaracterizaÇÃo de subproduto da indÚstria de alumÍnio e seu uso na retenÇÃo de cÁdmio e chumbo em sistemas monoelementares. *Quimica Nova*, **2009**, 32, 868-874	1.6	12
84	Role of Inceptisols in the Hydrology of Mountainous Catchments in Southeastern Brazil. *Journal of Hydrologic Engineering - ASCE*, **2016**, 21, 05015017	1.8	11

83	Tropical Soil Toposequence Characterization via pXRF Spectrometry. *Soil Science Society of America Journal*, **2019**, 83, 1153-1166	2.5	11
82	Digital soil mapping including additional point sampling in Posses ecosystem services pilot watershed, southeastern Brazil. *Scientific Reports*, **2019**, 9, 13763	4.9	11
81	Teor total e capacidade m□ima de adsor□ de chumbo em Latossolos brasileiros. *Revista Brasileira De Ciencia Do Solo*, **2001**, 25, 279-288	1.5	11
80	Modeling arsenic content in Brazilian soils: What is relevant?. *Science of the Total Environment*, **2020**, 712, 136511	10.2	11
79	Assessing models for prediction of some soil chemical properties from portable X-ray fluorescence (pXRF) spectrometry data in Brazilian Coastal Plains. *Geoderma*, **2020**, 357, 113957	6.7	11
78	Soil type spatial prediction from Random Forest: different training datasets, transferability, accuracy and uncertainty assessment. *Scientia Agricola*, **2019**, 76, 243-254	2.5	10
77	Foliar Elemental Analysis of Brazilian Crops via Portable X-ray Fluorescence Spectrometry. *Sensors*, **2020**, 20,	3.8	10
76	Effect of Equilibrium Solution Ionic Strength on the Adsorption of Zn, Cu, Cd, Pb, As, and P on Aluminum Mining By-Product. *Water, Air, and Soil Pollution*, **2014**, 225, 1	2.6	10
75	Scaling of pores in 3D images of Latosols (Oxisols) with contrasting mineralogy under a conservation management system. *Soil Research*, **2014**, 52, 231	1.8	10
74	MICROMORPHOLOGY AND PEDOGENESIS OF MOUNTAINOUS INCEPTISOLS IN THE MANTIQUEIRA RANGE (MG). *Ciencia E Agrotecnologia*, **2015**, 39, 455-462	1.6	10
73	Morphology, mineralogy and micromorphology of soils associated to summit depressions of the Northeastern Brazilian Coastal Plains. *Ciencia E Agrotecnologia*, **2012**, 36, 507-517	1.6	10
72	Compressive response of some agricultural soils influenced by the mineralogy and moisture. *International Agrophysics*, **2013**, 27, 239-246	2	10
71	Tropical soil pH and sorption complex prediction via portable X-ray fluorescence spectrometry. *Geoderma*, **2020**, 361, 114132	6.7	10
70	Cemented Horizons and Hardpans in the Coastal Tablelands of Northeastern Brazil. *Revista Brasileira De Ciencia Do Solo*, **2017**, 41,	1.5	9
69	Modeling and prediction of sulfuric acid digestion analyses data from PXRF spectrometry in tropical soils. *Scientia Agricola*, **2020**, 77,	2.5	9
68	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	5	9
67	Conditions affecting oxide quantification in unknown tropical soils via handheld X-ray fluorescence spectrometer. *Soil Research*, **2018**, 56, 648	1.8	9
66	Knowledge-based digital soil mapping for predicting soil properties in two representative watersheds. *Scientia Agricola*, **2018**, 75, 144-153	2.5	8

65	Detailed soil survey of an experimental watershed representative of the Brazilian Coastal Plains and its practical application. *Ciencia E Agrotecnologia*, **2014**, 38, 50-60	1.6	8
64	Soils of the Brazilian Coastal Plains biome: prediction of chemical attributes via portable X-ray fluorescence (pXRF) spectrometry and robust prediction models. *Soil Research*, **2020**, 58, 683	1.8	8
63	Synthesis of proximal sensing, terrain analysis, and parent material information for available micronutrient prediction in tropical soils. *Precision Agriculture*, **2019**, 20, 746-766	5.6	8
62	Land-use effect on hydropedology in a mountainous region of Southeastern Brazil. *Ciencia E Agrotecnologia*, **2017**, 41, 413-427	1.6	7
61	Mono- and Multielement Sorption of Trace Metals on Oxidic Industrial By-products. *Water, Air, and Soil Pollution*, **2012**, 223, 1661-1670	2.6	7
60	Proximal sensing applied to soil texture prediction and mapping in Brazil. *Geoderma Regional*, **2020**, 23, e00321	2.7	7
59	Xanthic- and Rhodic-Acrudoxes under cerrado vegetation: differential internal drainage and covarying micromorphological properties. *Ciencia E Agrotecnologia*, **2016**, 40, 443-453	1.6	6
58	Correcting field determination of elemental contents in soils via portable X-ray fluorescence spectrometry. *Ciencia E Agrotecnologia*,44,	1.6	6
57	Sistema de informaes geogrficas no planejamento de uso do solo. *Revista Brasileirade Ciencias Agrarias*, **2013**, 8, 316-323	1.1	6
56	Adsorption of Selenite in Tropical Soils as Affected by Soil Management, Ionic Strength, and Soil Properties. *Journal of Soil Science and Plant Nutrition*, **2020**, 20, 139-148	3.2	6
55	Assessing soil contamination in automobile scrap yards by portable X-ray fluorescence spectrometry and magnetic susceptibility. *Environmental Monitoring and Assessment*, **2019**, 192, 46	3.1	6
54	Dynamics and losses of soil organic matter and nutrients by water erosion in cover crop management systems in olive groves, in tropical regions. *Soil and Tillage Research*, **2021**, 209, 104863	6.5	6
53	Deep furrow and additional liming for coffee cultivation under first year in a naturally dense inceptisol. *Geoderma*, **2020**, 357, 113934	6.7	6
52	A hydropedological approach to a mountainous Clayey Humic Dystrudept in the Mantiqueira Range, southeastern Brazil. *Scientia Agricola*, **2018**, 75, 60-69	2.5	6
51	Comparison of portable X-ray fluorescence spectrometry and laboratory-based methods to assess the soil elemental composition: Applications for wetland soils. *Environmental Technology and Innovation*, **2020**, 19, 100826	7	5
50	Soil parent material prediction for Brazil via proximal soil sensing. *Geoderma Regional*, **2020**, 22, e00310	2.7	5
49	ndice de cobertura vegetal pela cultura do milho no perodo de chuvas intensas no sul de Minas Gerais. *Ciencia E Agrotecnologia*, **2010**, 34, 345-351	1.6	5
48	Assessment of soil erosion in olive orchards (Olea europaea L.) under cover crops management systems in the tropical region of Brazil. *Revista Brasileira De Ciencia Do Solo*, **2020**, 44,	1.5	5

47	Relationship Among Crop Systems, Soil Cover, and Water Erosion on a Typic Hapludox. *Revista Brasileira De Ciencia Do Solo*, **2018**, 42,	1.5	5
46	Formation and variation of a 4.5 m deep Oxisol in southeastern Brazil. *Catena*, **2021**, 206, 105492	5.8	5
45	Organic Matter Removal on Oxide Determination in Oxisols Via Portable X-ray Fluorescence. *Communications in Soil Science and Plant Analysis*, **2019**, 50, 673-681	1.5	4
44	Phosphorus transfer at a small catchment in southeastern Brazil: distributed modelling in different land use scenarios. *Ciencia E Agrotecnologia*, **2017**, 41, 565-579	1.6	4
43	Similar Soils but Different Soil-Forming Factors: Converging Evolution of Inceptisols in Brazil. *Pedosphere*, **2017**, 27, 747-757	5	4
42	Erosividade das chuvas e tempo de recorrência para Lavras, Minas Gerais. *Revista Ceres*, **2014**, 61, 09-16	0.7	4
41	Linking phosphorus sorption and magnetic susceptibility in clays and tropical soils. *Soil Research*, **2020**, 58, 430	1.8	4
40	Tropical soil order and suborder prediction combining optical and X-ray approaches. *Geoderma Regional*, **2020**, 23, e00331	2.7	4
39	A framework for testing large-scale distributed soil erosion and sediment delivery models: Dealing with uncertainty in models and the observational data. *Environmental Modelling and Software*, **2021** , 137, 104961	5.2	4
38	Proximal sensor-enhanced soil mapping in complex soil-landscape areas of Brazil. *Pedosphere*, **2021**, 31, 615-626	5	4
37	Tracing the origin of reservoir sediments using magnetic properties in Southeastern Brazil. *Semina:Ciencias Agrarias*, **2020**, 41, 847	0.6	3
36	RainfallErosivityFactor: An R package for rainfall erosivity (R-factor) determination. *Catena*, **2020**, 189, 104509	5.8	3
35	Sustainable productive intensification for family farming in developing tropical countries. *Ciencia E Agrotecnologia*,43,	1.6	3
34	MACRO simulator (version 5.0) for predicting atrazine herbicide behavior in brazilian latosols. *Ciencia E Agrotecnologia*, **2013**, 37, 211-220	1.6	3
33	PEDOTRANSFER FUNCTIONS FOR WATER RETENTION IN THE MAIN SOILS FROM THE BRAZILIAN COASTAL PLAINS. *Ciencia E Agrotecnologia*, **2015**, 39, 331-338	1.6	3
32	How sulfate content and soil depth affect the adsorption/desorption of selenate and selenite in tropical soils?. *Revista Brasileira De Ciencia Do Solo*, **2020**, 44,	1.5	3
31	National-scale spatial variations of soil magnetic susceptibility in Brazil. *Journal of South American Earth Sciences*, **2021**, 108, 103191	2	3
30	Micronutrients prediction via pXRF spectrometry in Brazil: Influence of weathering degree. *Geoderma Regional*, **2021**, 27, e00431	2.7	3

29	Elemental concentration via portable x-ray fluorescence spectrometry: Assessing the impact of water content. *Ciencia E Agrotecnologia*, **2019**, 43,	1.6	2
28	Rainfall erosivity estimation: Comparison and statistical assessment among methods using data from Southeastern Brazil. *Revista Brasileira De Ciencia Do Solo*, **2022**, 46,	1.5	2
27	Land-use influence on the soil hydrology: An approach in upper Grande River basin, Southeast Brazil. *Ciencia E Agrotecnologia*, **2019**, 43,	1.6	2
26	Assessing Water Erosion Processes in Degraded Area Using Unmanned Aerial Vehicle Imagery. *Revista Brasileira De Ciencia Do Solo*,43,	1.5	2
25	Water erosion associated with rainfall patterns in the extreme South of Bahia in eucalyptus post-planting. *Semina:Ciencias Agrarias*, **2017**, 38, 2463	0.6	2
24	Effect of compaction on the relationship between electrical resistivity and soil water content in Oxisol. *Soil and Tillage Research*, **2021**, 208, 104876	6.5	2
23	Comparing the sorptive affinity of an aluminum-mining by-product for cationic and anionic pollutants. *International Journal of Environmental Science and Technology*, **2021**, 18, 1237-1252	3.3	2
22	Relationship between soil organic matter fractions and cover plants in Olive post planting. *Revista Brasileira De Fruticultura*, **2018**, 40,	1.2	2
21	Mapping land use capability in tropical conditions adapting criteria to different levels of agricultural management. *Ciencia E Agrotecnologia*, **2018**, 42, 631-642	1.6	2
20	Lateral loss of clay in the genesis of Luvisols in the Semi-Arid Depression of the Jequitinhonha Valley, Minas Gerais - Brazil. *Ciencia E Agrotecnologia*,43,	1.6	1
19	The fundamental of the effects of water, organic matter, and iron forms on the pXRF information in soil analyses. *Catena*, **2021**, 105868	5.8	1
18	Study of an abnormal occurrence of Oxisols in strongly undulated relief in the south of Minas Gerais, Brazil, with support of pXRF and geomorphology. *Ciencia E Agrotecnologia*,45,	1.6	1
17	Prediction of soil nutrient content via pXRF spectrometry and its spatial variation in a highly variable tropical area. *Precision Agriculture*,1	5.6	1
16	X-ray fluorescence spectrometry applied to digital mapping of soil fertility attributes in tropical region with elevated spatial variability. *Anais Da Academia Brasileira De Ciencias*, **2021**, 93, e20200646	1.4	1
15	Soil parent material prediction through satellite multispectral analysis on a regional scale at the Western Paulista Plateau, Brazil. *Geoderma Regional*, **2021**, 26, e00412	2.7	1
14	Long-term no tillage management impact on soil hydro-physical properties in coffee cultivation. *Geoderma*, **2021**, 404, 115306	6.7	1
13	The Brazilian soil Mid-infrared Spectral Library: The Power of the Fundamental Range. *Geoderma*, **2022**, 415, 115776	6.7	1
12	Proximal sensor data fusion and auxiliary information for tropical soil property prediction: Soil texture. *Geoderma*, **2022**, 422, 115936	6.7	1

11	Proximal sensor data fusion for tropical soil property prediction: Soil fertility properties. *Journal of South American Earth Sciences*, **2022**, 103873	2	1
10	Prediction of soil organic matter content by combining data from Nix ProTM color sensor and portable X-ray fluorescence spectrometry in tropical soils. *Geoderma Regional*, **2022**, 28, e00461	2.7	0
9	Land use capability classification adaptation in low and intermediate technology farming systems: A soil erosion indicator. *Soil Use and Management*, **2021**, 37, 164-180	3.1	0
8	Variation of properties of two contrasting Oxisols enhanced by pXRF and Vis-NIR. *Journal of South American Earth Sciences*, **2022**, 115, 103748	2	0
7	Projections of rainfall erosivity in climate change scenarios for the largest watershed within Brazilian territory. *Catena*, **2022**, 213, 106225	5.8	0
6	Chemical and mineralogical changes in the textural fractions of quartzite-derived tropical soils, along weathering, assessed by portable X-ray fluorescence spectrometry and X-ray diffraction. *Journal of South American Earth Sciences*, **2021**, 112, 103634	2	0
5	Pedogenic processes in a chronosequence of very deeply weathered soils in southeastern Brazil. *Catena*, **2022**, 215, 106362	5.8	0
4	Pedology-based management class establishment: a study case in Brazilian coffee crops. *Precision Agriculture*,1	5.6	
3	Using proximal sensors to assess pedogenetic development of Inceptisols and Oxisols in Brazil. *Geoderma Regional*, **2022**, 28, e00465	2.7	
2	Preconsolidation stress of gibbsitic and kaolinitic Oxisols under a multipractice conservationist coffee system. *Semina:Ciencias Agrarias*, **2021**, 42, 1049-1068	0.6	
1	A sensors-based profile heterogeneity index for soil characterization. *Catena*, **2021**, 207, 105670	5.8	