

# Nilton Curi

## List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Rainfall erosivity estimation: Comparison and statistical assessment among methods using data from Southeastern Brazil. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2022</b> , 46,	1.5	2
153	Using proximal sensors to assess pedogenetic development of Inceptisols and Oxisols in Brazil. <i>Geoderma Regional</i> , <b>2022</b> , 28, e00465	2.7	
152	Prediction of soil organic matter content by combining data from Nix ProTM color sensor and portable X-ray fluorescence spectrometry in tropical soils. <i>Geoderma Regional</i> , <b>2022</b> , 28, e00461	2.7	0
151	Variation of properties of two contrasting Oxisols enhanced by pXRF and Vis-NIR. <i>Journal of South American Earth Sciences</i> , <b>2022</b> , 115, 103748	2	0
150	Projections of rainfall erosivity in climate change scenarios for the largest watershed within Brazilian territory. <i>Catena</i> , <b>2022</b> , 213, 106225	5.8	0
149	The Brazilian soil Mid-infrared Spectral Library: The Power of the Fundamental Range. <i>Geoderma</i> , <b>2022</b> , 415, 115776	6.7	1
148	Pedogenic processes in a chronosequence of very deeply weathered soils in southeastern Brazil. <i>Catena</i> , <b>2022</b> , 215, 106362	5.8	0
147	Proximal sensor data fusion and auxiliary information for tropical soil property prediction: Soil texture. <i>Geoderma</i> , <b>2022</b> , 422, 115936	6.7	1
146	Proximal sensor data fusion for tropical soil property prediction: Soil fertility properties. <i>Journal of South American Earth Sciences</i> , <b>2022</b> , 103873	2	1
145	The fundamental of the effects of water, organic matter, and iron forms on the pXRF information in soil analyses. <i>Catena</i> , <b>2021</b> , 105868	5.8	1
144	Preconsolidation stress of gibbsitic and kaolinitic Oxisols under a multipractice conservationist coffee system. <i>Semina:Ciencias Agrarias</i> , <b>2021</b> , 42, 1049-1068	0.6	
143	A framework for testing large-scale distributed soil erosion and sediment delivery models: Dealing with uncertainty in models and the observational data. <i>Environmental Modelling and Software</i> , <b>2021</b> , 137, 104961	5.2	4
142	Dynamics and losses of soil organic matter and nutrients by water erosion in cover crop management systems in olive groves, in tropical regions. <i>Soil and Tillage Research</i> , <b>2021</b> , 209, 104863	6.5	6
141	Drivers of Organic Carbon Stocks in Different LULC History and Along Soil Depth for a 30 Years Image Time Series. <i>Remote Sensing</i> , <b>2021</b> , 13, 2223	5	9
140	National-scale spatial variations of soil magnetic susceptibility in Brazil. <i>Journal of South American Earth Sciences</i> , <b>2021</b> , 108, 103191	2	3
139	Rapid soil fertility prediction using X-ray fluorescence data and machine learning algorithms. <i>Catena</i> , <b>2021</b> , 197, 105003	5.8	17
138	Soil management and diverse crop rotation can mitigate early-stage no-till compaction and improve least limiting water range in a Ferralsol. <i>Agricultural Water Management</i> , <b>2021</b> , 243, 106523	5.9	15

137	Effect of compaction on the relationship between electrical resistivity and soil water content in Oxisol. <i>Soil and Tillage Research</i> , <b>2021</b> , 208, 104876	6.5	2
136	Comparing the sorptive affinity of an aluminum-mining by-product for cationic and anionic pollutants. <i>International Journal of Environmental Science and Technology</i> , <b>2021</b> , 18, 1237-1252	3.3	2
135	Land use capability classification adaptation in low and intermediate technology farming systems: A soil erosion indicator. <i>Soil Use and Management</i> , <b>2021</b> , 37, 164-180	3.1	0
134	pXRF in tropical soils: Methodology, applications, achievements and challenges. <i>Advances in Agronomy</i> , <b>2021</b> , 1-62	7.7	18
133	X-ray fluorescence spectrometry applied to digital mapping of soil fertility attributes in tropical region with elevated spatial variability. <i>Anais Da Academia Brasileira De Ciencias</i> , <b>2021</b> , 93, e20200646	1.4	1
132	Proximal sensor-enhanced soil mapping in complex soil-landscape areas of Brazil. <i>Pedosphere</i> , <b>2021</b> , 31, 615-626	5	4
131	Soil parent material prediction through satellite multispectral analysis on a regional scale at the Western Paulista Plateau, Brazil. <i>Geoderma Regional</i> , <b>2021</b> , 26, e00412	2.7	1
130	Formation and variation of a 4.5 m deep Oxisol in southeastern Brazil. <i>Catena</i> , <b>2021</b> , 206, 105492	5.8	5
129	A sensors-based profile heterogeneity index for soil characterization. <i>Catena</i> , <b>2021</b> , 207, 105670	5.8	
128	Long-term no tillage management impact on soil hydro-physical properties in coffee cultivation. <i>Geoderma</i> , <b>2021</b> , 404, 115306	6.7	1
127	Micronutrients prediction via pXRF spectrometry in Brazil: Influence of weathering degree. <i>Geoderma Regional</i> , <b>2021</b> , 27, e00431	2.7	3
126	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. <i>Journal of South American Earth Sciences</i> , <b>2021</b> , 112, 103634	2	0
125	Comparison of portable X-ray fluorescence spectrometry and laboratory-based methods to assess the soil elemental composition: Applications for wetland soils. <i>Environmental Technology and Innovation</i> , <b>2020</b> , 19, 100826	7	5
124	Foliar Elemental Analysis of Brazilian Crops via Portable X-ray Fluorescence Spectrometry. <i>Sensors</i> , <b>2020</b> , 20,	3.8	10
123	Tracing the origin of reservoir sediments using magnetic properties in Southeastern Brazil. <i>Semina: Ciências Agrárias</i> , <b>2020</b> , 41, 847	0.6	3
122	From sensor data to Munsell color system: Machine learning algorithm applied to tropical soil color classification via NixâPro sensor. <i>Geoderma</i> , <b>2020</b> , 375, 114471	6.7	15
121	Soil parent material prediction for Brazil via proximal soil sensing. <i>Geoderma Regional</i> , <b>2020</b> , 22, e00310	2.7	5
120	Soil texture prediction using portable X-ray fluorescence spectrometry and visible near-infrared diffuse reflectance spectroscopy. <i>Geoderma</i> , <b>2020</b> , 376, 114553	6.7	18

119	RainfallErosivityFactor: An R package for rainfall erosivity (R-factor) determination. <i>Catena</i> , <b>2020</b> , 189, 104509	5.8	3
118	Soil subgroup prediction via portable X-ray fluorescence and visible near-infrared spectroscopy. <i>Geoderma</i> , <b>2020</b> , 365, 114212	6.7	23
117	Modeling and prediction of sulfuric acid digestion analyses data from PXRF spectrometry in tropical soils. <i>Scientia Agricola</i> , <b>2020</b> , 77,	2.5	9
116	Assessment of soil erosion in olive orchards ( <i>Olea europaea</i> L.) under cover crops management systems in the tropical region of Brazil. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2020</b> , 44,	1.5	5
115	How sulfate content and soil depth affect the adsorption/desorption of selenate and selenite in tropical soils?. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2020</b> , 44,	1.5	3
114	Linking phosphorus sorption and magnetic susceptibility in clays and tropical soils. <i>Soil Research</i> , <b>2020</b> , 58, 430	1.8	4
113	Adsorption of Selenite in Tropical Soils as Affected by Soil Management, Ionic Strength, and Soil Properties. <i>Journal of Soil Science and Plant Nutrition</i> , <b>2020</b> , 20, 139-148	3.2	6
112	Soil horizon variation: A review. <i>Advances in Agronomy</i> , <b>2020</b> , 160, 125-185	7.7	23
111	Modeling arsenic content in Brazilian soils: What is relevant?. <i>Science of the Total Environment</i> , <b>2020</b> , 712, 136511	10.2	11
110	Soil texture prediction in tropical soils: A portable X-ray fluorescence spectrometry approach. <i>Geoderma</i> , <b>2020</b> , 362, 114136	6.7	29
109	Tropical soil pH and sorption complex prediction via portable X-ray fluorescence spectrometry. <i>Geoderma</i> , <b>2020</b> , 361, 114132	6.7	10
108	Tropical soil order and suborder prediction combining optical and X-ray approaches. <i>Geoderma Regional</i> , <b>2020</b> , 23, e00331	2.7	4
107	Proximal sensing applied to soil texture prediction and mapping in Brazil. <i>Geoderma Regional</i> , <b>2020</b> , 23, e00321	2.7	7
106	Occasional tillage in no-tillage systems: A global meta-analysis. <i>Science of the Total Environment</i> , <b>2020</b> , 745, 140887	10.2	33
105	Soils of the Brazilian Coastal Plains biome: prediction of chemical attributes via portable X-ray fluorescence (pXRF) spectrometry and robust prediction models. <i>Soil Research</i> , <b>2020</b> , 58, 683	1.8	8
104	Prediction of soil fertility via portable X-ray fluorescence (pXRF) spectrometry and soil texture in the Brazilian Coastal Plains. <i>Geoderma</i> , <b>2020</b> , 357, 113960	6.7	18
103	Deep furrow and additional liming for coffee cultivation under first year in a naturally dense inceptisol. <i>Geoderma</i> , <b>2020</b> , 357, 113934	6.7	6
102	Assessing models for prediction of some soil chemical properties from portable X-ray fluorescence (pXRF) spectrometry data in Brazilian Coastal Plains. <i>Geoderma</i> , <b>2020</b> , 357, 113957	6.7	11

101	Advances in Tropical Soil Characterization via Portable X-Ray Fluorescence Spectrometry. <i>Pedosphere</i> , <b>2019</b> , 29, 468-482	5	16
100	Organic Matter Removal on Oxide Determination in Oxisols Via Portable X-ray Fluorescence. <i>Communications in Soil Science and Plant Analysis</i> , <b>2019</b> , 50, 673-681	1.5	4
99	Soil type spatial prediction from Random Forest: different training datasets, transferability, accuracy and uncertainty assessment. <i>Scientia Agricola</i> , <b>2019</b> , 76, 243-254	2.5	10
98	Using pedological knowledge to improve sediment source apportionment in tropical environments. <i>Journal of Soils and Sediments</i> , <b>2019</b> , 19, 3274-3289	3.4	12
97	The Brazilian Soil Spectral Library (BSSL): A general view, application and challenges. <i>Geoderma</i> , <b>2019</b> , 354, 113793	6.7	52
96	Tropical Soil Toposequence Characterization via pXRF Spectrometry. <i>Soil Science Society of America Journal</i> , <b>2019</b> , 83, 1153-1166	2.5	11
95	Do different arbuscular mycorrhizal fungi affect the formation and stability of soil aggregates?. <i>Ciencia E Agrotecnologia</i> , <b>2019</b> , 43,	1.6	12
94	Elemental concentration via portable x-ray fluorescence spectrometry: Assessing the impact of water content. <i>Ciencia E Agrotecnologia</i> , <b>2019</b> , 43,	1.6	2
93	Elemental analysis of Cerrado agricultural soils via portable X-ray fluorescence spectrometry: Inferences for soil fertility assessment. <i>Geoderma</i> , <b>2019</b> , 353, 264-272	6.7	30
92	Parent material distribution mapping from tropical soils data via machine learning and portable X-ray fluorescence (pXRF) spectrometry in Brazil. <i>Geoderma</i> , <b>2019</b> , 354, 113885	6.7	19
91	A soil compaction diagnosis method for occasional tillage recommendation under continuous no tillage system in Brazil. <i>Soil and Tillage Research</i> , <b>2019</b> , 194, 104307	6.5	23
90	Digital soil mapping including additional point sampling in Posses ecosystem services pilot watershed, southeastern Brazil. <i>Scientific Reports</i> , <b>2019</b> , 9, 13763	4.9	11
89	Land-use influence on the soil hydrology: An approach in upper Grande River basin, Southeast Brazil. <i>Ciencia E Agrotecnologia</i> , <b>2019</b> , 43,	1.6	2
88	Assessing soil contamination in automobile scrap yards by portable X-ray fluorescence spectrometry and magnetic susceptibility. <i>Environmental Monitoring and Assessment</i> , <b>2019</b> , 192, 46	3.1	6
87	Synthesis of proximal sensing, terrain analysis, and parent material information for available micronutrient prediction in tropical soils. <i>Precision Agriculture</i> , <b>2019</b> , 20, 746-766	5.6	8
86	Soil moisture associated with least limiting water range, leaf water potential, initial growth and yield of coffee as affected by soil management system. <i>Soil and Tillage Research</i> , <b>2019</b> , 189, 36-43	6.5	17
85	Selenium and mercury in Brazilian Cerrado soils and their relationships with physical and chemical soil characteristics. <i>Chemosphere</i> , <b>2019</b> , 218, 412-415	8.4	20
84	Tracing tropical soil parent material analysis via portable X-ray fluorescence (pXRF) spectrometry in Brazilian Cerrado. <i>Geoderma</i> , <b>2019</b> , 337, 718-728	6.7	39

83	Knowledge-based digital soil mapping for predicting soil properties in two representative watersheds. <i>Scientia Agricola</i> , <b>2018</b> , 75, 144-153	2.5	8
82	The Influence of Soil Moisture on Oxide Determination in Tropical Soils via Portable X-ray Fluorescence. <i>Soil Science Society of America Journal</i> , <b>2018</b> , 82, 632-644	2.5	18
81	Relationship between soil organic matter fractions and cover plants in Olive post planting. <i>Revista Brasileira De Fruticultura</i> , <b>2018</b> , 40,	1.2	2
80	Portable X-ray fluorescence (pXRF) spectrometry applied to the prediction of chemical attributes in Inceptisols under different land uses. <i>Ciencia E Agrotecnologia</i> , <b>2018</b> , 42, 501-512	1.6	27
79	Mapping land use capability in tropical conditions adapting criteria to different levels of agricultural management. <i>Ciencia E Agrotecnologia</i> , <b>2018</b> , 42, 631-642	1.6	2
78	A hydroopedological approach to a mountainous Clayey Humic Dystrudept in the Mantiqueira Range, southeastern Brazil. <i>Scientia Agricola</i> , <b>2018</b> , 75, 60-69	2.5	6
77	Relationship Among Crop Systems, Soil Cover, and Water Erosion on a Typic Hapludox. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2018</b> , 42,	1.5	5
76	Conditions affecting oxide quantification in unknown tropical soils via handheld X-ray fluorescence spectrometer. <i>Soil Research</i> , <b>2018</b> , 56, 648	1.8	9
75	Adsorption and availability of phosphorus in response to humic acid rates in soils limed with CaCO <sub>3</sub> or MgCO <sub>3</sub> . <i>Ciencia E Agrotecnologia</i> , <b>2018</b> , 42, 7-20	1.6	14
74	Tropical soils characterization at low cost and time using portable X-ray fluorescence spectrometer (pXRF): Effects of different sample preparation methods. <i>Ciencia E Agrotecnologia</i> , <b>2018</b> , 42, 80-92	1.6	26
73	Maghemite quantification and magnetic signature of Brazilian soils with contrasting parent materials. <i>Applied Clay Science</i> , <b>2018</b> , 161, 385-394	5.2	21
72	Soil weathering analysis using a portable X-ray fluorescence (PXRF) spectrometer in an Inceptisol from the Brazilian Cerrado. <i>Applied Clay Science</i> , <b>2018</b> , 162, 27-37	5.2	35
71	Modelling spatially distributed soil losses and sediment yield in the upper Grande River Basin - Brazil. <i>Catena</i> , <b>2017</b> , 157, 139-150	5.8	35
70	Multiple linear regression and random forest to predict and map soil properties using data from portable X-ray fluorescence spectrometer (pXRF). <i>Ciencia E Agrotecnologia</i> , <b>2017</b> , 41, 648-664	1.6	50
69	Phosphorus transfer at a small catchment in southeastern Brazil: distributed modelling in different land use scenarios. <i>Ciencia E Agrotecnologia</i> , <b>2017</b> , 41, 565-579	1.6	4
68	Cemented Horizons and Hardpans in the Coastal Tablelands of Northeastern Brazil. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2017</b> , 41,	1.5	9
67	Land-use effect on hydroopedology in a mountainous region of Southeastern Brazil. <i>Ciencia E Agrotecnologia</i> , <b>2017</b> , 41, 413-427	1.6	7
66	Similar Soils but Different Soil-Forming Factors: Converging Evolution of Inceptisols in Brazil. <i>Pedosphere</i> , <b>2017</b> , 27, 747-757	5	4

65	Water erosion associated with rainfall patterns in the extreme South of Bahia in eucalyptus post-planting. <i>Semina: Ciências Agrárias</i> , <b>2017</b> , 38, 2463	0.6	2
64	Soil erosion risk associated with climate change at Mantaro River basin, Peruvian Andes. <i>Catena</i> , <b>2016</b> , 147, 110-124	5.8	27
63	Spatial prediction of soil water transmissivity based on fuzzy logic in a Brazilian headwater watershed. <i>Catena</i> , <b>2016</b> , 143, 26-34	5.8	23
62	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. <i>Geoderma</i> , <b>2016</b> , 267, 65-77	6.7	27
61	Role of Inceptisols in the Hydrology of Mountainous Catchments in Southeastern Brazil. <i>Journal of Hydrologic Engineering - ASCE</i> , <b>2016</b> , 21, 05015017	1.8	11
60	Xanthic- and Rhodic-Acrudoxes under cerrado vegetation: differential internal drainage and covarying micromorphological properties. <i>Ciência E Agrotecnologia</i> , <b>2016</b> , 40, 443-453	1.6	6
59	Proximal Sensing and Digital Terrain Models Applied to Digital Soil Mapping and Modeling of Brazilian Latosols (Oxisols). <i>Remote Sensing</i> , <b>2016</b> , 8, 614	5	42
58	Mapping soils in two watersheds using legacy data and extrapolation for similar surrounding areas. <i>Ciência E Agrotecnologia</i> , <b>2016</b> , 40, 534-546	1.6	17
57	Spatial prediction of soil properties in two contrasting physiographic regions in Brazil. <i>Scientia Agricola</i> , <b>2016</b> , 73, 274-285	2.5	16
56	Agricultural watershed modeling: a review for hydrology and soil erosion processes. <i>Ciência E Agrotecnologia</i> , <b>2016</b> , 40, 7-25	1.6	27
55	Critical soil moisture range for a coffee crop in an oxidic latosol as affected by soil management. <i>Soil and Tillage Research</i> , <b>2015</b> , 154, 103-113	6.5	21
54	Iron oxides in soils of different lithological origins in Ferriferous Quadrilateral (Minas Gerais, Brazil). <i>Applied Clay Science</i> , <b>2015</b> , 118, 1-7	5.2	39
53	Gypsum effects on the spatial distribution of coffee roots and the pores system in oxidic Brazilian Latosol. <i>Soil and Tillage Research</i> , <b>2015</b> , 145, 171-180	6.5	19
52	MICROMORPHOLOGY AND PEDOGENESIS OF MOUNTAINOUS INCEPTISOLS IN THE MANTIQUEIRA RANGE (MG). <i>Ciência E Agrotecnologia</i> , <b>2015</b> , 39, 455-462	1.6	10
51	PEDOTRANSFER FUNCTIONS FOR WATER RETENTION IN THE MAIN SOILS FROM THE BRAZILIAN COASTAL PLAINS. <i>Ciência E Agrotecnologia</i> , <b>2015</b> , 39, 331-338	1.6	3
50	Effect of Equilibrium Solution Ionic Strength on the Adsorption of Zn, Cu, Cd, Pb, As, and P on Aluminum Mining By-Product. <i>Water, Air, and Soil Pollution</i> , <b>2014</b> , 225, 1	2.6	10
49	Soil moisture in the root zone and its relation to plant vigor assessed by remote sensing at management scale. <i>Geoderma</i> , <b>2014</b> , 221-222, 91-95	6.7	35
48	Scaling of pores in 3D images of Latosols (Oxisols) with contrasting mineralogy under a conservation management system. <i>Soil Research</i> , <b>2014</b> , 52, 231	1.8	10

47	Solum depth spatial prediction comparing conventional with knowledge-based digital soil mapping approaches. <i>Scientia Agricola</i> , <b>2014</b> , 71, 316-323	2.5	29
46	Erosividade das chuvas e tempo de recorrência para Lavras, Minas Gerais. <i>Revista Ceres</i> , <b>2014</b> , 61, 09-16	0.7	4
45	Detailed soil survey of an experimental watershed representative of the Brazilian Coastal Plains and its practical application. <i>Ciencia E Agrotecnologia</i> , <b>2014</b> , 38, 50-60	1.6	8
44	Increasing arsenic sorption on red mud by phosphogypsum addition. <i>Journal of Hazardous Materials</i> , <b>2013</b> , 262, 1196-203	12.8	33
43	Preconsolidation pressure, soil water retention characteristics, and texture of Latosols in the Brazilian Cerrado. <i>Soil Research</i> , <b>2013</b> , 51, 193	1.8	34
42	Digital soil mapping approach based on fuzzy logic and field expert knowledge. <i>Ciencia E Agrotecnologia</i> , <b>2013</b> , 37, 287-298	1.6	21
41	P-sorption and desorption in Savanna Brazilian soils as a support for phosphorus fertilizer management. <i>Ciencia E Agrotecnologia</i> , <b>2013</b> , 37, 521-530	1.6	23
40	MACRO simulator (version 5.0) for predicting atrazine herbicide behavior in brazilian latosols. <i>Ciencia E Agrotecnologia</i> , <b>2013</b> , 37, 211-220	1.6	3
39	Compressive response of some agricultural soils influenced by the mineralogy and moisture. <i>International Agrophysics</i> , <b>2013</b> , 27, 239-246	2	10
38	Sistema de informações geográficas no planejamento de uso do solo. <i>Revista Brasileira de Ciências Agrárias</i> , <b>2013</b> , 8, 316-323	1.1	6
37	Competitive Sorption of Arsenate and Phosphate on Aluminum Mining By-product. <i>Water, Air, and Soil Pollution</i> , <b>2012</b> , 223, 5433-5444	2.6	14
36	Morphology, mineralogy and micromorphology of soils associated to summit depressions of the Northeastern Brazilian Coastal Plains. <i>Ciencia E Agrotecnologia</i> , <b>2012</b> , 36, 507-517	1.6	10
35	Mono- and Multielement Sorption of Trace Metals on Oxidic Industrial By-products. <i>Water, Air, and Soil Pollution</i> , <b>2012</b> , 223, 1661-1670	2.6	7
34	Sea surface temperature (SST) and rainfall erosivity in the Upper Grande River Basin, southeast Brazil. <i>Ciencia E Agrotecnologia</i> , <b>2012</b> , 36, 53-59	1.6	38
33	Spatial variability of the rainfall erosivity in southern region of Minas Gerais state, Brazil. <i>Ciencia E Agrotecnologia</i> , <b>2012</b> , 36, 533-542	1.6	19
32	Sorção de selênio em solos do bioma cerrado. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2011</b> , 35, 1995-2003	1.5	13
31	Índice de cobertura vegetal pela cultura do milho no período de chuvas intensas no sul de Minas Gerais. <i>Ciencia E Agrotecnologia</i> , <b>2010</b> , 34, 345-351	1.6	5
30	Assessment of Vulnerability of Oxisols to Compaction in the Cerrado Region of Brazil. <i>Pedosphere</i> , <b>2010</b> , 20, 252-260	5	13



29	Erosividade da chuva e erodibilidade de Cambissolo e Latossolo na regiã de Lavras, sul de Minas Gerais. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2009</b> , 33, 1811-1820	1.5	33
28	Levantamento pedolãgico e sistema de informaõs geogrãficas na avaliaõ do uso das terras em sub-bacia hidrogrãfica de Minas Gerais. <i>Ciencia E Agrotecnologia</i> , <b>2009</b> , 33, 1544-1553	1.6	14
27	Relation of strength and mineralogical attributes in Brazilian latosols. <i>Soil and Tillage Research</i> , <b>2009</b> , 102, 14-18	6.5	26
26	Strength attributes and compaction susceptibility of Brazilian Latosols. <i>Soil and Tillage Research</i> , <b>2009</b> , 105, 122-127	6.5	34
25	Soil erosion prediction in the Grande River Basin, Brazil using distributed modeling. <i>Catena</i> , <b>2009</b> , 79, 49-59	5.8	167
24	Caracterizaõ de subproduto da indãstria de alumãnio e seu uso na retenõ de cãdmio e chumbo em sistemas monoelementares. <i>Quimica Nova</i> , <b>2009</b> , 32, 868-874	1.6	12
23	Adsorõ e dessorõ aniõicas individuais por gibbsita pedogenãtica. <i>Quimica Nova</i> , <b>2009</b> , 32, 99-105	1.6	13
22	Propriedades cristalogrãficas de caulinitas de solos do ambiente tabuleiros costeiros, Amazãlia e Recãncavo Baiano. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2008</b> , 32, 1857-1872	1.5	17
21	Caracterizaõ de ãxidos de ferro de solos do ambiente tabuleiros costeiros. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2008</b> , 32, 1017-1031	1.5	19
20	Erosividade mensal e anual da chuva no Estado de Minas Gerais. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2007</b> , 42, 537-545	1.8	53
19	Retenõ e dessorõ competitivas de ãions inorgãnicos em gibbsita natural de solo. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2007</b> , 42, 1627-1633	1.8	17
18	Perdas de solo, ãgua, nutrientes e carbono orgãnico em Cambissolo e Latossolo sob chuva natural. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2005</b> , 40, 1223-1230	1.8	33
17	Trace element geochemistry in Brazilian Cerrado soils. <i>Geoderma</i> , <b>2004</b> , 121, 31-43	6.7	117
16	Major element geochemistry and geomorphic relationships in Brazilian Cerrado soils. <i>Geoderma</i> , <b>2004</b> , 119, 179-195	6.7	70
15	Relaõ entre atributos fãsicos, mineralogia da fraõ argila e formas de alumãnio no solo. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2003</b> , 27, 01-09	1.5	19
14	Teor total e capacidade mãxima de adsorõ de chumbo em Latossolos brasileiros. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>2001</b> , 25, 279-288	1.5	11
13	Mineralogia, quãmica e micromorfologia de solos de uma microbacia nos tabuleiros costeiros do Espãrito Santo. <i>Pesquisa Agropecuaria Brasileira</i> , <b>2000</b> , 35, 1237-1250	1.8	16
12	Influãncia da mineralogia da fraõ argila nas propriedades fãsicas de latossolos da regiã sudeste do Brasil. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>1999</b> , 23, 515-524	1.5	89

11	Mineralogia da fração argila e estrutura de latossolos da região sudeste do Brasil. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>1999</b> , 23, 507-514	1.5	94
10	Índices de erosividade da chuva, perdas de solo e fator erodibilidade para dois solos da região dos cerrados - primeira aproximação. <i>Revista Brasileira De Ciencia Do Solo</i> , <b>1997</b> , 21, 427-434	1.5	21
9	Effect of Parent Rocks on Chemical and Mineralogical Properties of Some Oxisols in Brazil. <i>Soil Science Society of America Journal</i> , <b>1987</b> , 51, 153-158	2.5	65
8	Toposequence of Oxisols from the Central Plateau of Brazil. <i>Soil Science Society of America Journal</i> , <b>1984</b> , 48, 341-346	2.5	121
7	Sustainable productive intensification for family farming in developing tropical countries. <i>Ciencia E Agrotecnologia</i> ,43,	1.6	3
6	Lateral loss of clay in the genesis of Luvisols in the Semi-Arid Depression of the Jequitinhonha Valley, Minas Gerais - Brazil. <i>Ciencia E Agrotecnologia</i> ,43,	1.6	1
5	Correcting field determination of elemental contents in soils via portable X-ray fluorescence spectrometry. <i>Ciencia E Agrotecnologia</i> ,44,	1.6	6
4	Assessing Water Erosion Processes in Degraded Area Using Unmanned Aerial Vehicle Imagery. <i>Revista Brasileira De Ciencia Do Solo</i> ,43,	1.5	2
3	Study of an abnormal occurrence of Oxisols in strongly undulated relief in the south of Minas Gerais, Brazil, with support of pXRF and geomorphology. <i>Ciencia E Agrotecnologia</i> ,45,	1.6	1
2	Pedology-based management class establishment: a study case in Brazilian coffee crops. <i>Precision Agriculture</i> ,1	5.6	
1	Prediction of soil nutrient content via pXRF spectrometry and its spatial variation in a highly variable tropical area. <i>Precision Agriculture</i> ,1	5.6	1