List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	One century of arsenic exposure in Latin America: A review of history and occurrence from 14 countries. Science of the Total Environment, 2012, 429, 2-35.	3.9	414
2	Rare Earth Elements in the Soil Environment. Current Pollution Reports, 2016, 2, 28-50.	3.1	230
3	Biosolids and heavy metals in soils. Scientia Agricola, 2003, 60, 793-806.	0.6	204
4	Transitions to sustainable management of phosphorus in Brazilian agriculture. Scientific Reports, 2018, 8, 2537.	1.6	172
5	Soil and foliar application of selenium in rice biofortification. Journal of Food Composition and Analysis, 2013, 31, 238-244.	1.9	156
6	A Career Perspective on Soil Management in the Cerrado Region of Brazil. Advances in Agronomy, 2016, 137, 1-72.	2.4	155
7	Combining biochar and sewage sludge for immobilization of heavy metals in mining soils. Ecotoxicology and Environmental Safety, 2019, 172, 326-333.	2.9	143
8	Selenium biofortification and antioxidant activity in lettuce plants fed with selenate and selenite. Plant, Soil and Environment, 2010, 56, 584-588.	1.0	118
9	Removal of As(V) and Cr(VI) from aqueous solutions using solid waste from leather industry. Journal of Hazardous Materials, 2008, 151, 280-284.	6.5	110
10	Effects of arsenate, chromate, and sulfate on arsenic and chromium uptake and translocation by arsenic hyperaccumulator Pteris vittata L. Environmental Pollution, 2014, 184, 187-192.	3.7	101
11	Impact of selenium supply on Se-methylselenocysteine and glucosinolate accumulation in selenium-biofortified Brassica sprouts. Food Chemistry, 2014, 165, 578-586.	4.2	100
12	Assessing arsenic, cadmium, and lead contents in major crops in Brazil for food safety purposes. Journal of Food Composition and Analysis, 2015, 37, 143-150.	1.9	99
13	Seven potential sources of arsenic pollution in Latin America and their environmental and health impacts. Science of the Total Environment, 2021, 780, 146274.	3.9	97
14	Medical geology in the framework of the sustainable development goals. Science of the Total Environment, 2017, 581-582, 87-104.	3.9	90
15	Natural variation of selenium in Brazil nuts and soils from the Amazon region. Chemosphere, 2017, 188, 650-658.	4.2	90
16	Selenium biofortification of wheat grain via foliar application and its effect on plant metabolism. Journal of Food Composition and Analysis, 2019, 81, 10-18.	1.9	90
17	lodine biofortification of wheat, rice and maize through fertilizer strategy. Plant and Soil, 2017, 418, 319-335.	1.8	89
18	Solid waste from leather industry as adsorbent of organic dyes in aqueous-medium. Journal of Hazardous Materials, 2007, 141, 344-347.	6.5	85

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19	Bioaccumulation and effects of lanthanum on growth and mitotic index in soybean plants. Ecotoxicology and Environmental Safety, 2015, 122, 136-144.	2.9	83
20	Selenium accumulation in lettuce germplasm. Planta, 2011, 233, 649-660.	1.6	82
21	Selenium promotes sulfur accumulation and plant growth in wheat ( <i>Triticum aestivum</i> ). Physiologia Plantarum, 2016, 158, 80-91.	2.6	82
22	Selenium protects rice plants from water deficit stress. Ecotoxicology and Environmental Safety, 2018, 164, 562-570.	2.9	82
23	A New Approach to Sampling Intact Fe Plaque Reveals Si-Induced Changes in Fe Mineral Composition and Shoot As in Rice. Environmental Science & amp; Technology, 2017, 51, 38-45.	4.6	76
24	Accumulation of arsenic and nutrients by castor bean plants grown on an As-enriched nutrient solution. Journal of Hazardous Materials, 2009, 168, 479-483.	6.5	72
25	Arsenic in Latin America: New findings on source, mobilization and mobility in human environments in 20 countries based on decadal research 2010-2020. Critical Reviews in Environmental Science and Technology, 2021, 51, 1727-1865.	6.6	70
26	Estoque de carbono e nitrogênio e formas de nitrogênio mineral em um solo submetido a diferentes sistemas de manejo. Pesquisa Agropecuaria Brasileira, 2004, 39, 179-186.	0.9	69
27	Cadmium binding mechanisms and adsorption capacity by novel phosphorus/magnesium-engineered biochars. Science of the Total Environment, 2019, 671, 1134-1143.	3.9	67
28	Selenium behavior in the soil environment and its implication for human health. Ciencia E Agrotecnologia, 2017, 41, 605-615.	1.5	66
29	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.	1.5	65
30	Arbuscular mycorrhizal fungi in arsenic-contaminated areas in Brazil. Journal of Hazardous Materials, 2013, 262, 1105-1115.	6.5	64
31	Simultaneous Biofortification of Rice With Zinc, Iodine, Iron and Selenium Through Foliar Treatment of a Micronutrient Cocktail in Five Countries. Frontiers in Plant Science, 2020, 11, 589835.	1.7	63
32	Atrazine sorption and fate in a Ultisol from humid tropical Brazil. Chemosphere, 2007, 67, 847-854.	4.2	58
33	The impact of redox conditions on the rare earth element signature of redoximorphic features in a soil sequence developed from limestone. Geoderma, 2012, 170, 25-38.	2.3	58
34	Combined impacts of Si-rich rice residues and flooding extent on grain As and Cd in rice. Environment International, 2019, 128, 301-309.	4.8	58
35	Tracing tropical soil parent material analysis via portable X-ray fluorescence (pXRF) spectrometry in Brazilian Cerrado. Geoderma, 2019, 337, 718-728.	2.3	58
36	Assessment of the Anticancer Compounds <i>Se</i> -Methylselenocysteine and Glucosinolates in Se-Biofortified Broccoli (Brassica oleracea L. var. <i>italica</i> ) Sprouts and Florets. Journal of Agricultural and Food Chemistry, 2013, 61, 6216-6223.	2.4	57

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37	Portable X-ray fluorescence (pXRF) applications in tropical Soil Science. Ciencia E Agrotecnologia, 2017, 41, 245-254.	1.5	56
38	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.	2.6	53
39	Proximal Sensing and Digital Terrain Models Applied to Digital Soil Mapping and Modeling of Brazilian Latosols (Oxisols). Remote Sensing, 2016, 8, 614.	1.8	52
40	Soil texture prediction in tropical soils: A portable X-ray fluorescence spectrometry approach. Geoderma, 2020, 362, 114136.	2.3	52
41	Bacteria-Mediated Arsenic Oxidation and Reduction in the Growth Media of Arsenic Hyperaccumulator <i>Pteris vittata</i> . Environmental Science & Technology, 2012, 46, 11259-11266.	4.6	51
42	Zinc tolerance modulation in Myracrodruon urundeuva plants. Plant Physiology and Biochemistry, 2013, 67, 1-6.	2.8	51
43	Augmenting iron accumulation in cassava by the beneficial soil bacterium Bacillus subtilis (GBO3). Frontiers in Plant Science, 2015, 6, 596.	1.7	51
44	Evaluation of Genotypic Variation of Broccoli ( <i>Brassica oleracea</i> var. <i>italic</i> ) in Response to Selenium Treatment. Journal of Agricultural and Food Chemistry, 2011, 59, 3657-3665.	2.4	50
45	Hidden Nickel Deficiency? Nickel Fertilization via Soil Improves Nitrogen Metabolism and Grain Yield in Soybean Genotypes. Frontiers in Plant Science, 2018, 9, 614.	1.7	50
46	Phosphorus Improves Arsenic Phytoremediation by <i>Anadenanthera Peregrina</i> by Alleviating Induced Oxidative Stress. International Journal of Phytoremediation, 2013, 15, 633-646.	1.7	48
47	pXRF in tropical soils: Methodology, applications, achievements and challenges. Advances in Agronomy, 2021, , 1-62.	2.4	47
48	Elemental analysis of Cerrado agricultural soils via portable X-ray fluorescence spectrometry: Inferences for soil fertility assessment. Geoderma, 2019, 353, 264-272.	2.3	45
49	Baseline Concentration of Heavy Metals in Brazilian Latosols. Communications in Soil Science and Plant Analysis, 2003, 34, 547-557.	0.6	43
50	Assessing the Tolerance of Castor Bean to Cd and Pb for Phytoremediation Purposes. Biological Trace Element Research, 2012, 145, 93-100.	1.9	43
51	Increasing arsenic sorption on red mud by phosphogypsum addition. Journal of Hazardous Materials, 2013, 262, 1196-1203.	6.5	43
52	Rapid soil fertility prediction using X-ray fluorescence data and machine learning algorithms. Catena, 2021, 197, 105003.	2.2	42
53	Adsorption-desorption reactions of selenium (VI) in tropical cultivated and uncultivated soils under Cerrado biome. Chemosphere, 2016, 164, 271-277.	4.2	40
54	Soil subgroup prediction via portable X-ray fluorescence and visible near-infrared spectroscopy. Geoderma, 2020, 365, 114212.	2.3	40

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55	Regional-scale mapping for determining geochemical background values in soils of the Itacaiúnas River Basin, Brazil: The use of compositional data analysis (CoDA). Geoderma, 2020, 376, 114504.	2.3	39
56	Rare earth elements in raw materials and products of the phosphate fertilizer industry in South America: Content, signature, and crystalline phases. Journal of Geochemical Exploration, 2016, 168, 177-186.	1.5	38
57	Soil texture prediction using portable X-ray fluorescence spectrometry and visible near-infrared diffuse reflectance spectroscopy. Geoderma, 2020, 376, 114553.	2.3	38
58	Arsenic bioaccessibility in gold mine tailings of Delita, Cuba. Journal of Hazardous Materials, 2013, 262, 1004-1013.	6.5	37
59	Phytoprotective Effect of Arbuscular Mycorrhizal Fungi Species Against Arsenic Toxicity in Tropical Leguminous Species. International Journal of Phytoremediation, 2014, 16, 840-858.	1.7	36
60	Parent material distribution mapping from tropical soils data via machine learning and portable X-ray fluorescence (pXRF) spectrometry in Brazil. Geoderma, 2019, 354, 113885.	2.3	36
61	Agronomic biofortification of rice (Oryza sativa L.) with selenium and its effect on element distributions in biofortified grains. Plant and Soil, 2019, 444, 331-342.	1.8	36
62	Arsenic bioaccessibility in a gold mining area: a health risk assessment for children. Environmental Geochemistry and Health, 2012, 34, 457-465.	1.8	35
63	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.	1.5	35
64	Genotypic variation of zinc and selenium concentration in grains of Brazilian wheat lines. Plant Science, 2014, 224, 27-35.	1.7	34
65	Rare earth elements (REY) sorption on soils of contrasting mineralogy and texture. Environment International, 2019, 128, 279-291.	4.8	34
66	Selenato e selenito na produção e biofortificação agronômica com selênio em arroz. Pesquisa Agropecuaria Brasileira, 2012, 47, 831-837.	0.9	33
67	Anatomy and ultrastructure alterations of Leucaena leucocephala (Lam.) inoculated with mycorrhizal fungi in response to arsenic-contaminated soil. Journal of Hazardous Materials, 2013, 262, 1245-1258.	6.5	33
68	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.	1.5	32
69	Amending potential of organic and industrial by-products applied to heavy metal-rich mining soils. Ecotoxicology and Environmental Safety, 2018, 162, 581-590.	2.9	32
70	Impact of Redox Cycles on Manganese, Iron, Cobalt, and Lead in Nodules. Soil Science Society of America Journal, 2009, 73, 1231-1241.	1.2	31
71	Physiological and Physicochemical Responses of Potato to Selenium Biofortification in Tropical Soil. Potato Research, 2019, 62, 315-331.	1.2	31
72	Efeito do pH na adsorção e dessorção de cádmio em Latossolos brasileiros. Revista Brasileira De Ciencia Do Solo, 2005, 29, 523-532.	0.5	30

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73	Investigation of arsenic species in tailings and windblown dust from a gold mining area. Environmental Science and Pollution Research, 2016, 23, 638-647.	2.7	30
74	Advances in Tropical Soil Characterization via Portable X-Ray Fluorescence Spectrometry. Pedosphere, 2019, 29, 468-482.	2.1	30
75	Prediction of soil fertility via portable X-ray fluorescence (pXRF) spectrometry and soil texture in the Brazilian Coastal Plains. Geoderma, 2020, 357, 113960.	2.3	30
76	Determinação de cádmio, cobre, cromo, nÃquel, chumbo e zinco em fosfatos de rocha. Pesquisa Agropecuaria Brasileira, 2005, 40, 361-367.	0.9	29
77	Characterization and nutrient release from silicate rocks and influence on chemical changes in soil. Revista Brasileira De Ciencia Do Solo, 2012, 36, 951-962.	0.5	27
78	Nutrient accumulation and availability and crop yields following long-term application of pig slurry in a Brazilian Cerrado soil. Nutrient Cycling in Agroecosystems, 2015, 101, 259-269.	1.1	27
79	Agronomic biofortification of carrot with selenium. Ciencia E Agrotecnologia, 2018, 42, 138-147.	1.5	26
80	How does Ni fertilization affect a responsive soybean genotype? A dose study. Plant and Soil, 2019, 441, 567-586.	1.8	25
81	Lead sorption and leaching from an Inceptisol sample amended with sugarcane vinasse. Scientia Agricola, 2010, 67, 441-447.	0.6	24
82	Potential of different AM fungi (native from As-contaminated and uncontaminated soils) for supporting Leucaena leucocephala growth in As-contaminated soil. Environmental Pollution, 2017, 224, 125-135.	3.7	24
83	Zinc and selenium accumulation and their effect on iron bioavailability in common bean seeds. Plant Physiology and Biochemistry, 2017, 111, 193-202.	2.8	24
84	Ecological risk assessment of cerium for tropical agroecosystems. Chemosphere, 2019, 221, 124-131.	4.2	24
85	Geochemical mapping in stream sediments of the Carajás Mineral Province: Background values for the Itacaiúnas River watershed, Brazil. Applied Geochemistry, 2020, 118, 104608.	1.4	24
86	Frações oxidáveis do carbono orgânico de latossolo cultivado com cafeeiro em diferentes espaçamentos de plantio. Ciencia E Agrotecnologia, 2008, 32, 429-437.	1.5	24
87	Availability and Accumulation of Arsenic in Oilseeds Grown in Contaminated Soils. Water, Air, and Soil Pollution, 2012, 223, 233-240.	1.1	23
88	Chromate and phosphate inhibited each other's uptake and translocation in arsenic hyperaccumulator Pteris vittata L Environmental Pollution, 2015, 197, 240-246.	3.7	23
89	Binding intensity and metal partitioning in soils affected by mining and smelting activities in Minas Gerais, Brazil. Environmental Science and Pollution Research, 2015, 22, 13442-13452.	2.7	23
90	Critical mercury concentration in tropical soils: Impact on plants and soil biological attributes. Science of the Total Environment, 2019, 666, 472-479.	3.9	23

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91	Production of engineered-biochar under different pyrolysis conditions for phosphorus removal from aqueous solution. Science of the Total Environment, 2022, 816, 151559.	3.9	23
92	The Influence of Soil Moisture on Oxide Determination in Tropical Soils via Portable Xâ€ray Fluorescence. Soil Science Society of America Journal, 2018, 82, 632-644.	1.2	22
93	Modeling arsenic content in Brazilian soils: What is relevant?. Science of the Total Environment, 2020, 712, 136511.	3.9	22
94	Teor e capacidade máxima de adsorção de arsênio em Latossolos brasileiros. Revista Brasileira De Ciencia Do Solo, 2007, 31, 1311-1318.	0.5	21
95	Retenção e dessorção competitivas de ânions inorgânicos em gibbsita natural de solo. Pesquisa Agropecuaria Brasileira, 2007, 42, 1627-1633.	0.9	21
96	Evaluation of germplasm effect on Fe, Zn and Se content in wheat seedlings. Plant Science, 2013, 210, 206-213.	1.7	21
97	Gomphrena claussenii, the first South-American metallophyte species with indicator-like Zn and Cd accumulation and extreme metal tolerance. Frontiers in Plant Science, 2013, 4, 180.	1.7	21
98	Genotypic Variation and Biofortification with Selenium in Brazilian Wheat Cultivars. Journal of Environmental Quality, 2018, 47, 1371-1379.	1.0	21
99	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.	2.3	21
100	Cadmium in potato and soybeans: Do phosphate fertilization and soil management systems play a role?. Journal of Food Composition and Analysis, 2012, 27, 32-37.	1.9	20
101	EFFECT OF ALTERNATIVE MULTINUTRIENT SOURCES ON SOIL CHEMICAL PROPERTIES. Revista Brasileira De Ciencia Do Solo, 2015, 39, 194-204.	0.5	20
102	Investigating arsenic toxicity in tropical soils: A cell cycle and DNA fragmentation approach. Science of the Total Environment, 2020, 698, 134272.	3.9	20
103	Kinetics of K release from soils of Brazilian coffee regions: effect of organic acids. Revista Brasileira De Ciencia Do Solo, 2008, 32, 533-540.	0.5	19
104	Environmental behavior of arsenic(III) and (V) in soils. Journal of Environmental Monitoring, 2009, 11, 1412.	2.1	19
105	Propriedades de solos sob vegetação nativa em Minas Gerais: distribuição por fitofisionomia, hidrografia e variabilidade espacial. Revista Brasileira De Ciencia Do Solo, 2012, 36, 11-22.	0.5	19
106	Assessment of Trace Element Contents in Soils and Water from Cerrado Wetlands, Triângulo Mineiro Region. Revista Brasileira De Ciencia Do Solo, 0, 43, .	0.5	19
107	Cerium alleviates drought-induced stress in Phaseolus vulgaris. Journal of Rare Earths, 2020, 38, 324-331.	2.5	19
108	Comportamento sortivo, individual e competitivo, de metais pesados em Latossolos com mineralogia contrastante. Revista Brasileira De Ciencia Do Solo, 2007, 31, 819-826	0.5	19

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109	Proximal sensor data fusion and auxiliary information for tropical soil property prediction: Soil texture. Geoderma, 2022, 422, 115936.	2.3	19
110	Competitive Sorption of Arsenate and Phosphate on Aluminum Mining By-product. Water, Air, and Soil Pollution, 2012, 223, 5433-5444.	1.1	18
111	Arsenic ecotoxicology: The interface between geosphere, hydrosphere and biosphere. Journal of Hazardous Materials, 2013, 262, 883-886.	6.5	18
112	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.	0.6	18
113	Foliar Elemental Analysis of Brazilian Crops via Portable X-ray Fluorescence Spectrometry. Sensors, 2020, 20, 2509.	2.1	18
114	Rare earth elements (REEs): geochemical patterns and contamination aspects in Brazilian benchmark soils. Environmental Pollution, 2021, 289, 117972.	3.7	18
115	Efeito da força iônica da solução de equilÃbrio sobre a adsorção/dessorção de chumbo em Latossolos brasileiros. Pesquisa Agropecuaria Brasileira, 2001, 36, 1077-1084.	0.9	17
116	Efeito da força iônica da solução de equilÃbrio na adsorção de cádmio em Latossolos brasileiros. Pesquisa Agropecuaria Brasileira, 2003, 38, 737-745.	0.9	17
117	Adsorção e dessorção de cádmio, cobre e chumbo por amostras de Latossolos pré-tratadas com fósforo. Revista Brasileira De Ciencia Do Solo, 2004, 28, 377-384.	0.5	17
118	Sorção de selênio em solos do bioma cerrado. Revista Brasileira De Ciencia Do Solo, 2011, 35, 1995-2003.	0.5	17
119	Leguminous plants nodulated by selected strains of Cupriavidus necator grow in heavy metal contaminated soils amended with calcium silicate. World Journal of Microbiology and Biotechnology, 2013, 29, 2055-2066.	1.7	17
120	Tropical Soil Toposequence Characterization via pXRF Spectrometry. Soil Science Society of America Journal, 2019, 83, 1153-1166.	1.2	17
121	Natural variation of arsenic fractions in soils of the Brazilian Amazon. Science of the Total Environment, 2019, 687, 1219-1231.	3.9	17
122	Anatomical and physiological characteristics of Raphanus sativus L. submitted to different selenium sources and forms application. Scientia Horticulturae, 2020, 260, 108839.	1.7	17
123	Organic matter composition and paleoclimatic changes in tropical mountain peatlands currently under grasslands and forest clusters. Catena, 2019, 180, 69-82.	2.2	16
124	Tropical soil pH and sorption complex prediction via portable X-ray fluorescence spectrometry. Geoderma, 2020, 361, 114132.	2.3	16
125	Hydroxyl-eggshell: A novel eggshell byproduct highly effective to recover phosphorus from aqueous solutions. Journal of Cleaner Production, 2020, 274, 123042.	4.6	16
126	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.	3.0	16

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127	Selenium application influenced selenium biofortification and physiological traits in water-deficit common bean plants. Crop and Pasture Science, 2022, 73, 44-55.	0.7	16
128	Common bean growth and health promoted by rhizobacteria and the contribution of magnesium to the observed responses. Applied Soil Ecology, 2015, 87, 49-55.	2.1	15
129	Tolerance and potential for bioaccumulation of Alternanthera tenella Colla to cadmium under in vitro conditions. Plant Cell, Tissue and Organ Culture, 2017, 130, 507-519.	1.2	15
130	Cerium (Ce) and Lanthanum (La) promoted plant growth and mycorrhizal colonization of maize in tropical soil. Australian Journal of Crop Science, 2018, 12, 704-710.	0.1	15
131	Synthesis of proximal sensing, terrain analysis, and parent material information for available micronutrient prediction in tropical soils. Precision Agriculture, 2019, 20, 746-766.	3.1	15
132	Adsorção e dessorção aniônicas individuais por gibbsita pedogenética. Quimica Nova, 2009, 32, 99-105.	0.3	15
133	Caracterização de subproduto da indústria de alumÃnio e seu uso na retenção de cádmio e chumbo em sistemas monoelementares. Quimica Nova, 2009, 32, 868-874.	0.3	14
134	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.	1.1	14
135	Beneficial use of a by-product from the phosphate fertilizer industry in tropical soils: effects on soil properties and maize and soybean growth. Journal of Cleaner Production, 2016, 112, 113-120.	4.6	14
136	Beneficial use of Ni-rich petroleum coke ashes: Product characterization and effects on soil properties and plant growth. Journal of Cleaner Production, 2018, 198, 785-796.	4.6	14
137	Subproduto da indústria de alumÃnio como amenizante de solos contaminados com cádmio e chumbo. Revista Brasileira De Ciencia Do Solo, 2008, 32, 2533-2546.	0.5	14
138	Organic acids in the rhizosphere and phytoavailability of sewage sludge-borne trace elements. Pesquisa Agropecuaria Brasileira, 2007, 42, 917-924.	0.9	14
139	Response of brachiaria grass to selenium forms applied in a tropical soil. Plant, Soil and Environment, 2012, 58, 521-527.	1.0	13
140	Determination of zinc in rice grains using DTZ staining and ImageJ software. Journal of Cereal Science, 2016, 68, 53-58.	1.8	13
141	<b>Lanthanum content and effects on growth, gas exchanges, and chlorophyll index in maize plants. Acta Scientiarum - Biological Sciences, 2018, 40, 38469.</b>	0.3	13
142	Proximal sensing applied to soil texture prediction and mapping in Brazil. Geoderma Regional, 2020, 23, e00321.	0.9	13
143	Chemical, physical, and biological attributes in soils affected by deposition of iron ore tailings from the Fundţo Dam failure. Environmental Monitoring and Assessment, 2021, 193, 462.	1.3	13
144	Modeling and prediction of sulfuric acid digestion analyses data from PXRF spectrometry in tropical soils. Scientia Agricola, 2020, 77, .	0.6	13

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145	Selenium biofortification via soil and its effect on plant metabolism and mineral content of sorghum plants. Journal of Food Composition and Analysis, 2022, 109, 104505.	1.9	13
146	Adsorção de fÃ3sforo em solos de várzea do estado de Minas Gerais. Revista Brasileira De Ciencia Do Solo, 2000, 24, 27-34.	0.5	12
147	Changes in Isoelectric Point as Affected by Anion Adsorption on Two Brazilian Oxisols. Communications in Soil Science and Plant Analysis, 2006, 37, 1357-1366.	0.6	12
148	Fitorremediação de solos contaminados com arsênio (As) utilizando braquiária. Ciencia E Agrotecnologia, 2011, 35, 84-91.	1.5	12
149	Beneficial use of industrial by-products for phytoremediation of an arsenic-rich soil from a gold mining area. International Journal of Phytoremediation, 2016, 18, 777-784.	1.7	12
150	Soil management and ionic strength on selenite retention in oxidic soils. Ciencia E Agrotecnologia, 2018, 42, 395-407.	1.5	12
151	Biofortification with selenium and implications in the absorption of macronutrients in Raphanus sativus L Journal of Food Composition and Analysis, 2020, 86, 103382.	1.9	12
152	Strategies for applying selenium for biofortification of rice in tropical soils and their effect on element accumulation and distribution in grains. Journal of Cereal Science, 2020, 96, 103125.	1.8	12
153	Selenato e selenito na produção, nutrição mineral e biofortificação com selênio em cultivares de alface¹. Revista Brasileira De Ciencia Do Solo, 2011, 35, 1347-1355.	0.5	12
154	Movimentação de nitrato e amônio em colunas de solo. Ciencia E Agrotecnologia, 2004, 28, 537-541.	1.5	12
155	Selenium desorption in tropical soils by sulfate and phosphate, and selenium biofortification of Mombaça grass under increasing rates of phosphate fertilisation. Crop and Pasture Science, 2022, 73, 56-66.	0.7	12
156	Heavy metals extractability in a soil amended with sewage sludge. Scientia Agricola, 2009, 66, 643-649.	0.6	11
157	Conditions affecting oxide quantification in unknown tropical soils via handheld X-ray fluorescence spectrometer. Soil Research, 2018, 56, 648.	0.6	11
158	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.	1.7	11
159	Tropical soil order and suborder prediction combining optical and X-ray approaches. Geoderma Regional, 2020, 23, e00331.	0.9	11
160	Biochemical basis of differential selenium tolerance in arugula (Eruca sativa Mill.) and lettuce (Lactuca sativa L.). Plant Physiology and Biochemistry, 2020, 157, 328-338.	2.8	11
161	Combining zinc desorption with EXAFS speciation analysis to understand Zn mobility in mining and smelting affected soils in Minas Gerais, Brazil. Science of the Total Environment, 2021, 754, 142450.	3.9	11
162	Uso da cromatografia de exclusão por tamanho na caracterização de substâncias húmicas de Latossolo Vermelho-Escuro sob efeito da calagem. Revista Brasileira De Ciencia Do Solo, 2000, 24, 495-503.	0.5	11

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163	Micorriza arbuscular e nutrição fosfática na toxidez de zinco para a trema [Trema micrantha (L.) Blum.]. Revista Brasileira De Ciencia Do Solo, 2006, 30, 665-675.	0.5	11
164	Agronomic efficiency of potassium fertilization in lettuce fertilized with alternative nutrient sources. Revista Ciencia Agronomica, 2013, 44, 267-277.	0.1	11
165	Teores de arsênio e cádmio em solos do bioma cerrado. Revista Brasileira De Ciencia Do Solo, 2013, 37, 281-286.	0.5	10
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