

Juan Antelo

List of Publications by Year in descending order

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Version: 2024-02-01

46
papers

2,328
citations

304743

22
h-index

243625

44
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all docs

46
docs citations

46
times ranked

2426
citing authors

#	ARTICLE	IF	CITATIONS
1	Effects of pH and ionic strength on the adsorption of phosphate and arsenate at the goethite-water interface. <i>Journal of Colloid and Interface Science</i> , 2005, 285, 476-486.	9.4	452
2	Kinetics of phosphate adsorption on goethite: Comparing batch adsorption and ATR-IR measurements. <i>Journal of Colloid and Interface Science</i> , 2006, 300, 511-518.	9.4	226
3	Adsorption of a soil humic acid at the surface of goethite and its competitive interaction with phosphate. <i>Geoderma</i> , 2007, 138, 12-19.	5.1	182
4	Analysis of phosphate adsorption onto ferrihydrite using the CD-MUSIC model. <i>Journal of Colloid and Interface Science</i> , 2010, 347, 112-119.	9.4	158
5	Nanoparticles in natural systems I: The effective reactive surface area of the natural oxide fraction in field samples. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 41-58.	3.9	136
6	Comparison of arsenate, chromate and molybdate binding on schwertmannite: Surface adsorption vs anion-exchange. <i>Journal of Colloid and Interface Science</i> , 2012, 386, 338-343.	9.4	113
7	Arsenate and phosphate adsorption on ferrihydrite nanoparticles. Synergetic interaction with calcium ions. <i>Chemical Geology</i> , 2015, 410, 53-62.	3.3	107
8	In situ chemical stabilization of trace element-contaminated soil - Field demonstrations and barriers to transition from laboratory to the field - A review. <i>Applied Geochemistry</i> , 2019, 100, 335-351.	3.0	85
9	Influence of feedstock on the copper removal capacity of waste-derived biochars. <i>Bioresource Technology</i> , 2016, 212, 199-206.	9.6	78
10	Nanoparticles in natural systems II: The natural oxide fraction at interaction with natural organic matter and phosphate. <i>Geochimica Et Cosmochimica Acta</i> , 2010, 74, 59-69.	3.9	68
11	Adsorption of MCPA on goethite and humic acid-coated goethite. <i>Chemosphere</i> , 2010, 78, 1403-1408.	8.2	56
12	Revisiting models of Cd, Cu, Pb and Zn adsorption onto Fe(III) oxides. <i>Chemical Geology</i> , 2018, 493, 189-198.	3.3	53
13	Cu(II) incorporation to schwertmannite: Effect on stability and reactivity under AMD conditions. <i>Geochimica Et Cosmochimica Acta</i> , 2013, 119, 149-163.	3.9	51
14	Adsorption of paraquat on goethite and humic acid-coated goethite. <i>Journal of Hazardous Materials</i> , 2010, 183, 664-668.	12.4	43
15	Effect of organic matter and pH on the adsorption of metalaxyl and penconazole by soils. <i>Journal of Hazardous Materials</i> , 2013, 260, 627-633.	12.4	43
16	Surface chemistry of iron oxides formed by neutralization of acidic mine waters: Removal of trace metals. <i>Applied Geochemistry</i> , 2018, 89, 129-137.	3.0	41
17	Effect of pH and ionic strength on the binding of paraquat and MCPA by soil fulvic and humic acids. <i>Chemosphere</i> , 2009, 76, 107-113.	8.2	40
18	Effects of natural organic matter on the binding of arsenate and copper onto goethite. <i>Chemical Geology</i> , 2017, 459, 119-128.	3.3	39

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19	A universal adsorption behaviour for Cu uptake by iron (hydr)oxide organo-mineral composites. <i>Chemical Geology</i> , 2018, 479, 22-35.	3.3	39
20	From sinks to sources: The role of Fe oxyhydroxide transformations on phosphorus dynamics in estuarine soils. <i>Journal of Environmental Management</i> , 2021, 278, 111575.	7.8	30
21	Copper fractionation with dissolved organic matter in natural waters and wastewater—a mixed micelle mediated methodology (cloud point extraction) employing flame atomic absorption spectrometry. <i>Journal of Environmental Monitoring</i> , 2002, 4, 505-510.	2.1	29
22	Acid properties of fulvic and humic acids isolated from two acid forest soils under different vegetation cover and soil depth. <i>European Journal of Soil Science</i> , 2008, 59, 892-899.	3.9	29
23	Adsorption of paraquat on soil organic matter: Effect of exchangeable cations and dissolved organic carbon. <i>Journal of Hazardous Materials</i> , 2012, 235-236, 218-223.	12.4	24
24	Influence of pH on copper, lead and cadmium binding by an ombrotrophic peat. <i>European Journal of Soil Science</i> , 2009, 60, 377-385.	3.9	22
25	Modeling oxyanion adsorption on ferrallic soil, part 1: Parameter validation with phosphate ion. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 2208-2216.	4.3	19
26	Modeling the effects of humic acid and anoxic condition on phosphate adsorption onto goethite. <i>Chemosphere</i> , 2020, 253, 126691.	8.2	18
27	Biochar as low-cost sorbent of volatile fuel organic compounds: potential application to water remediation. <i>Environmental Science and Pollution Research</i> , 2019, 26, 11605-11617.	5.3	17
28	Factors that affect physicochemical and acid-base properties of compost and vermicompost and its potential use as a soil amendment. <i>Journal of Environmental Management</i> , 2021, 300, 113702.	7.8	13
29	Modeling oxyanion adsorption on ferrallic soil, part 2: Chromate, selenate, molybdate, and arsenate adsorption. <i>Environmental Toxicology and Chemistry</i> , 2014, 33, 2217-2224.	4.3	12
30	Phosphate adsorption on an industrial residue and subsequent use as an amendment for phosphorous deficient soils. <i>Journal of Cleaner Production</i> , 2019, 230, 844-853.	9.3	11
31	Stability of naturally occurring AMD—schwertmannite in the presence of arsenic and reducing agents. <i>Journal of Geochemical Exploration</i> , 2021, 220, 106677.	3.2	10
32	Surface Complexation Modelling of Arsenic and Copper Immobilization by Iron Oxide Precipitates Derived from Acid Mine Drainage. <i>Boletin De La Sociedad Geologica Mexicana</i> , 2015, 67, 493-508.	0.3	10
33	Competitive Arsenate and Phosphate Adsorption on Ferrihydrite as Described by the CD-MUSIC Model. <i>ACS Earth and Space Chemistry</i> , 2022, 6, 1397-1406.	2.7	10
34	Proton binding on untreated peat and acid-washed peat. <i>Geoderma</i> , 2011, 164, 249-253.	5.1	9
35	Study of the acid-base properties of a peat soil and its humin and humic acid fractions. <i>European Journal of Soil Science</i> , 2012, 63, 487-494.	3.9	9
36	Use of Waste-Derived Biochar to Remove Copper from Aqueous Solution in a Continuous-Flow System. <i>Industrial & Engineering Chemistry Research</i> , 2017, 56, 12755-12762.	3.7	9

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37	Analysis of the variable charge of two organic soils by means of the NICA-Donnan model. <i>European Journal of Soil Science</i> , 2007, 58, 1358-1363.	3.9	8
38	3D Printed Composites of Copper-Aluminum Oxides. <i>3D Printing and Additive Manufacturing</i> , 2018, 5, 46-52.	2.9	7
39	Copper adsorption on humic acid coated gibbsite: comparison with single sorbent systems. <i>Environmental Chemistry</i> , 2009, 6, 535.	1.5	6
40	Use of combined tools for effectiveness evaluation of tailings rehabilitated with designed Technosol. <i>Environmental Geochemistry and Health</i> , 2022, 44, 1857-1873.	3.4	6
41	Study of the acid-base properties of fulvic acid-like substances extracted from senescent leaves of eucalyptus and oak. <i>Analytical and Bioanalytical Chemistry</i> , 2003, 375, 523-526.	3.7	3
42	Immobilization of phosphate by a Technosol spolic silandic: kinetics, equilibrium and dependency on environmental variables. <i>Journal of Soils and Sediments</i> , 2018, 18, 2914-2923.	3.0	3
43	Distinctive Features of Composts of Different Origin: A Thorough Examination of the Characterization Results. <i>Sustainability</i> , 2022, 14, 7449.	3.2	3
44	Estimation of phosphate extractability in flooded soils: Effect of solid-solution ratio and bicarbonate concentration. <i>Chemosphere</i> , 2022, 303, 135188.	8.2	1
45	Interactions Between Ionic Pesticides and Model Systems for Soil Fractions. , 0, , .		0
46	Thermal Transformation of Natural Schwertmannite in the Presence of Chromium. <i>Minerals (Basel)</i> , Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.0	0