Juan Antelo

List of Publications by Year
in descending order

46 papers	2,328 citations	304743 22 h-index	243625 44 g-index
46 all docs	46 docs citations	46 times ranked	2426 citing authors

#	Article	IF	Citations
1	Use of combined tools for effectiveness evaluation of tailings rehabilitated with designed Technosol. Environmental Geochemistry and Health, 2022, 44, 1857-1873.	3.4	6
2	Competitive Arsenate and Phosphate Adsorption on Ferrihydrite as Described by the CD-MUSIC Model. ACS Earth and Space Chemistry, 2022, 6, 1397-1406.	2.7	10
3	Estimation of phosphate extractability in flooded soils: Effect of solid-solution ratio and bicarbonate concentration. Chemosphere, 2022, 303, 135188.	8.2	1
4	Thermal Transformation of Natural Schwertmannite in the Presence of Chromium. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.0	0
5	Distinctive Features of Composts of Different Origin: A Thorough Examination of the Characterization Results. Sustainability, 2022, 14, 7449.	3.2	3
6	Stability of naturally occurring AMDâ€"schwertmannite in the presence of arsenic and reducing agents. Journal of Geochemical Exploration, 2021, 220, 106677.	3.2	10
7	From sinks to sources: The role of Fe oxyhydroxide transformations on phosphorus dynamics in estuarine soils. Journal of Environmental Management, 2021, 278, 111575.	7.8	30
8	Factors that affect physicochemical and acid-base properties of compost and vermicompost and its potential use as a soil amendment. Journal of Environmental Management, 2021, 300, 113702.	7.8	13
9	Modeling the effects of humic acid and anoxic condition on phosphate adsorption onto goethite. Chemosphere, 2020, 253, 126691.	8.2	18
10	Phosphate adsorption on an industrial residue and subsequent use as an amendment for phosphorous deficient soils. Journal of Cleaner Production, 2019, 230, 844-853.	9.3	11
11	Biochar as low-cost sorbent of volatile fuel organic compounds: potential application to water remediation. Environmental Science and Pollution Research, 2019, 26, 11605-11617.	5.3	17
12	In situ chemical stabilization of trace element-contaminated soil â€" Field demonstrations and barriers to transition from laboratory to the field â€" A review. Applied Geochemistry, 2019, 100, 335-351.	3.0	85
13	A universal adsorption behaviour for Cu uptake by iron (hydr)oxide organo-mineral composites. Chemical Geology, 2018, 479, 22-35.	3.3	39
14	Surface chemistry of iron oxides formed by neutralization of acidic mine waters: Removal of trace metals. Applied Geochemistry, 2018, 89, 129-137.	3.0	41
15	Immobilization of phosphate by a Technosol spolic silandic: kinetics, equilibrium and dependency on environmental variables. Journal of Soils and Sediments, 2018, 18, 2914-2923.	3.0	3
16	3D Printed Composites of Copperâ€"Aluminum Oxides. 3D Printing and Additive Manufacturing, 2018, 5, 46-52.	2.9	7
17	Revisiting models of Cd, Cu, Pb and Zn adsorption onto Fe(III) oxides. Chemical Geology, 2018, 493, 189-198.	3.3	53
18	Effects of natural organic matter on the binding of arsenate and copper onto goethite. Chemical Geology, 2017, 459, 119-128.	3.3	39

#	ARTICLE	IF	CITATIONS
19	Use of Waste-Derived Biochar to Remove Copper from Aqueous Solution in a Continuous-Flow System. Industrial & Engineering Chemistry Research, 2017, 56, 12755-12762.	3.7	9
20	Influence of feedstock on the copper removal capacity of waste-derived biochars. Bioresource Technology, 2016, 212, 199-206.	9.6	78
21	Arsenate and phosphate adsorption on ferrihydrite nanoparticles. Synergetic interaction with calcium ions. Chemical Geology, 2015, 410, 53-62.	3.3	107
22	Surface Complexation Modelling of Arsenic and Copper Immobilization by Iron Oxide Precipitates Derived from Acid Mine Drainage. Boletin De La Sociedad Geologica Mexicana, 2015, 67, 493-508.	0.3	10
23	Modeling oxyanion adsorption on ferralic soil, part 1: Parameter validation with phosphate ion. Environmental Toxicology and Chemistry, 2014, 33, 2208-2216.	4.3	19
24	Modeling oxyanion adsorption on ferralic soil, part 2: Chromate, selenate, molybdate, and arsenate adsorption. Environmental Toxicology and Chemistry, 2014, 33, 2217-2224.	4.3	12
25	Effect of organic matter and pH on the adsorption of metalaxyl and penconazole by soils. Journal of Hazardous Materials, 2013, 260, 627-633.	12.4	43
26	Cu(II) incorporation to schwertmannite: Effect on stability and reactivity under AMD conditions. Geochimica Et Cosmochimica Acta, 2013, 119, 149-163.	3.9	51
27	Comparison of arsenate, chromate and molybdate binding on schwertmannite: Surface adsorption vs anion-exchange. Journal of Colloid and Interface Science, 2012, 386, 338-343.	9.4	113
28	Adsorption of paraquat on soil organic matter: Effect of exchangeable cations and dissolved organic carbon. Journal of Hazardous Materials, 2012, 235-236, 218-223.	12.4	24
29	Study of the acidâ€base properties of a peat soil and its humin and humic acid fractions. European Journal of Soil Science, 2012, 63, 487-494.	3.9	9
30	Proton binding on untreated peat and acid-washed peat. Geoderma, 2011, 164, 249-253.	5.1	9
31	Adsorption of paraquat on goethite and humic acid-coated goethite. Journal of Hazardous Materials, 2010, 183, 664-668.	12.4	43
32	Analysis of phosphate adsorption onto ferrihydrite using the CD-MUSIC model. Journal of Colloid and Interface Science, 2010, 347, 112-119.	9.4	158
33	Nanoparticles in natural systems I: The effective reactive surface area of the natural oxide fraction in field samples. Geochimica Et Cosmochimica Acta, 2010, 74, 41-58.	3.9	136
34	Nanoparticles in natural systems II: The natural oxide fraction at interaction with natural organic matter and phosphate. Geochimica Et Cosmochimica Acta, 2010, 74, 59-69.	3.9	68
35	Adsorption of MCPA on goethite and humic acid-coated goethite. Chemosphere, 2010, 78, 1403-1408.	8.2	56
36	Influence of pH on copper, lead and cadmium binding by an ombrotrophic peat. European Journal of Soil Science, 2009, 60, 377-385.	3.9	22

#	Article	IF	Citations
37	Effect of pH and ionic strength on the binding of paraquat and MCPA by soil fulvic and humic acids. Chemosphere, 2009, 76, 107-113.	8.2	40
38	Copper adsorption on humic acid coated gibbsite: comparison with single sorbent systems. Environmental Chemistry, 2009, 6, 535.	1.5	6
39	Acid properties of fulvic and humic acids isolated from two acid forest soils under different vegetation cover and soil depth. European Journal of Soil Science, 2008, 59, 892-899.	3.9	29
40	Adsorption of a soil humic acid at the surface of goethite and its competitive interaction with phosphate. Geoderma, 2007, 138, 12-19.	5.1	182
41	Analysis of the variable charge of two organic soils by means of the NICAâ€Donnan model. European Journal of Soil Science, 2007, 58, 1358-1363.	3.9	8
42	Kinetics of phosphate adsorption on goethite: Comparing batch adsorption and ATR-IR measurements. Journal of Colloid and Interface Science, 2006, 300, 511-518.	9.4	226
43	Effects of pH and ionic strength on the adsorption of phosphate and arsenate at the goethiteâ€“water interface. Journal of Colloid and Interface Science, 2005, 285, 476-486.	9.4	452
44	Study of the acidâ€“base properties of fulvic acid-like substances extracted from senescent leaves of eucalyptus and oak. Analytical and Bioanalytical Chemistry, 2003, 375, 523-526.	3.7	3
45	Copper fractionation with dissolved organic matter in natural waters and wastewaterâ€”a mixed micelle mediated methodology (cloud point extraction) employing flame atomic absorption spectrometry. Journal of Environmental Monitoring, 2002, 4, 505-510.	2.1	29
46	Interactions Between Ionic Pesticides and Model Systems for Soil Fractions. , 0, , .		0