Juan Carlos NÃ³voa-MuÃ±oz

List of Publications by Year
in descending order

120	3,845	117625	144013
papers	citations	34	57
		h-index	g-index

122	122	122	3773
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Mercury in a Spanish Peat Bog: Archive of Climate Change and Atmospheric Metal Deposition. Science, 1999, 284, 939-942.	12.6	436
2	Atmospheric Pb deposition in Spain during the last 4600 years recorded by two ombrotrophic peat bogs and implications for the use of peat as archive. Science of the Total Environment, 2002, 292, 33-44.	8.0	178
3	Title is missing!. Water, Air, and Soil Pollution, 1997, 100, 387-403.	2.4	138
4	Effect of lead stress on mineral content and growth of wheat (Triticum aestivum) and spinach (Spinacia oleracea) seedlings. Saudi Journal of Biological Sciences, 2013, 20, 29-36.	3.8	133
5	Aluminium fractionation of European volcanic soils by selective dissolution techniques. Catena, 2004, 56, 155-183.	5.0	116
6	Occurrence of tetracyclines and sulfonamides in manures, agricultural soils and crops from different areas in Galicia (NW Spain). Journal of Cleaner Production, 2018, 197, 491-500.	9.3	112
7	Seasonal distributions of fungicides in soils and sediments of a small river basin partially devoted to vineyards. Water Research, 2007, 41, 4515-4525.	11.3	95
8	Copper accumulation and fractionation in vineyard soils from temperate humid zone (NW Iberian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	5.1	89
9	Linking changes in atmospheric dust deposition, vegetation change and human activities in northwest Spain during the last 5300 years. Holocene, 2005, 15, 698-706.	1.7	86
10	Copper distribution and acid-base mobilization in vineyard soils and sediments from Galicia (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 3	3.9	75
11	Pine bark as bio-adsorbent for Cd, Cu, Ni, Pb and Zn: Batch-type and stirred flow chamber experiments. Journal of Environmental Management, 2014, 144, 258-264.	7.8	70
12	Competitive adsorption/desorption of tetracycline, oxytetracycline and chlortetracycline on two acid soils: Stirred flow chamber experiments. Chemosphere, 2015, 134, 361-366.	8.2	67
13	Mercury accumulation in upland acid forest ecosystems nearby a coal-fired power-plant in Southwest Europe (Galicia, NW Spain). Science of the Total Environment, 2008, 394, 303-312.	8.0	62
14	Five thousand years of atmospheric Ni, Zn, As, and Cd deposition recorded in bogs from NW Iberia: prehistoric and historic anthropogenic contributions. Journal of Archaeological Science, 2013, 40, 764-777.	2.4	60
15	Influence of organic matter removal on competitive and noncompetitive adsorption of copper and zinc in acid soils. Journal of Colloid and Interface Science, 2008, 322, 33-40.	9.4	57
16	Arsenic, chromium and mercury removal using mussel shell ash or a sludge/ashes waste mixture. Environmental Science and Pollution Research, 2013, 20, 2670-2678.	5.3	55
17	Phosphorus removal from wastewater using mussel shell: Investigation on retention mechanisms. Ecological Engineering, 2016, 97, 558-566.	3.6	55
18	Biotic and abiotic dissipation of tetracyclines using simulated sunlight and in the dark. Science of the Total Environment, 2018, 635, 1520-1529.	8.0	53

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19	Degradation of sulfadiazine, sulfachloropyridazine and sulfamethazine in aqueous media. Journal of Environmental Management, 2018, 228, 239-248.	7.8	52
20	Quaternary herbicides retention by the amendment of acid soils with a bentonite-based waste from wineries. Journal of Hazardous Materials, 2009, 164, 769-775.	12.4	51
21	Cr(VI) Adsorption and Desorption on Soils and Biosorbents. Water, Air, and Soil Pollution, 2013, 224, 1.	2.4	51
22	Kinetics of tetracycline, oxytetracycline, and chlortetracycline adsorption and desorption on two acid soils. Environmental Science and Pollution Research, 2015, 22, 425-433.	5.3	50
23	Experimental data and model prediction of tetracycline adsorption and desorption in agricultural soils. Environmental Research, 2019, 177, 108607.	7.5	50
24	INFLUENCE OF AGING ON COPPER FRACTIONATION IN AN ACID SOIL. Soil Science, 2007, 172, 225-232.	0.9	47
25	Zinc distribution and acidâ€“base mobilisation in vineyard soils and sediments. Science of the Total Environment, 2012, 414, 470-479.	8.0	47
26	Distribution of some selected major and trace elements in four Italian soils developed from the deposits of the Gauro and Vico volcanoes. Geoderma, 2003, 117, 215-224.	5.1	46
27	Changes in copper content and distribution in young, old and abandoned vineyard acid soils due to land use changes. Land Degradation and Development, 2008, 19, 165-177.	3.9	45
28	Heavy metal retention in copper mine soil treated with mussel shells: Batch and column experiments. Journal of Hazardous Materials, 2013, 248-249, 122-130.	12.4	45
29	Kinetics of Hg(II) adsorption and desorption in calcined mussel shells. Journal of Hazardous Materials, 2010, 180, 622-627.	12.4	44
30	Adsorption and desorption kinetics of carbofuran in acid soils. Journal of Hazardous Materials, 2011, 190, 159-167.	12.4	42
31	Total copper content and its distribution in acid vineyards soils developed from granitic rocks. Science of the Total Environment, 2007, 378, 23-27.	8.0	41
32	Mixtures including wastes from the mussel shell processing industry: retention of arsenic, chromium and mercury. Journal of Cleaner Production, 2014, 84, 680-690.	9.3	40
33	Valorization of biosorbent obtained from a forestry waste: Competitive adsorption, desorption and transport of Cd, Cu, Ni, Pb and Zn. Ecotoxicology and Environmental Safety, 2016, 131, 118-126.	6.0	38
34	Metal and organic matter immobilization in temperate podzols: A high resolution study. Geoderma, 2014, 217-218, 225-234.	5.1	37
35	Competitive adsorption/desorption of tetracycline, oxytetracycline and chlortetracycline on pine bark, oak ash and mussel shell. Journal of Environmental Management, 2019, 250, 109509.	7.8	36
36	Competitive and non-competitive cadmium, copper and lead sorption/desorption on wheat straw affecting sustainability in vineyards. Journal of Cleaner Production, 2016, 139, 1496-1503.	9.3	34

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37	Cr(VI) sorption/desorption on untreated and mussel-shell-treated soil materials: fractionation and effects of pH and chromium concentration. Solid Earth, 2015, 6, 373-382.	2.8	33
38	Mercury removal using ground and calcined mussel shell. Journal of Environmental Sciences, 2013, 25, 2476-2486.	6.1	32
39	Perspectives on the use of by-products to treat soil and water pollution. Microporous and Mesoporous Materials, 2015, 210, 199-201.	4.4	32
40	Copper fractionation and release from soils devoted to different crops. Journal of Hazardous Materials, 2009, 167, 797-802.	12.4	30
41	Promoting sustainability in the mussel industry: mussel shell recycling to fight fluoride pollution. Journal of Cleaner Production, 2016, 131, 485-490.	9.3	30
42	Study of metal transport through pine bark for reutilization as a biosorbent. Chemosphere, 2016, 149, 146-153.	8.2	30
43	Lithological and land-use based assessment of heavy metal pollution in soils surrounding a cement plant in SW Europe. Science of the Total Environment, 2016, 562, 179-190.	8.0	30
44	Changes in soil properties and in the growth of Lolium multiflorum in an acid soil amended with a solid waste from wineries. Bioresource Technology, 2008, 99, 6771-6779.	9.6	28
45	Adsorption and Desorption Behavior of Metalaxyl in Intensively Cultivated Acid Soils. Journal of Agricultural and Food Chemistry, 2011, 59, 7286-7293.	5.2	27
46	Comparison of batch, stirred flow chamber, and column experiments to study adsorption, desorption and transport of carbofuran within two acidic soils. Chemosphere, 2012, 88, 106-112.	8.2	27
47	Copper Retention Kinetics in Acid Soils. Soil Science Society of America Journal, 2008, 72, 63-72.	2.2	26
48	Heavy metals fractionation and desorption in pine bark amended mine soils. Journal of Environmental Management, 2017, 192, 79-88.	7.8	26
49	Experimental data and modeling for sulfachloropyridazine and sulfamethazine adsorption/desorption on agricultural acid soils. Microporous and Mesoporous Materials, 2019, 288, 109601.	4.4	26
50	Simulating Washoff of Cu-Based Fungicide Sprays by Using a Rotating Shear Device. Journal of Agricultural and Food Chemistry, 2008, 56, 5795-5800.	5.2	25
51	Mercury distribution in a toposequence of sub-Antarctic forest soils of Tierra del Fuego (Argentina) as consequence of the prevailing soil processes. Geoderma, 2014, 232-234, 130-140.	5.1	25
52	Pollution of surface waters by metalaxyl and nitrate from non-point sources. Science of the Total Environment, 2013, 461-462, 282-289.	8.0	24
53	As(V) and P Competitive Sorption on Soils, By-Products and Waste Materials. International Journal of Environmental Research and Public Health, 2015, 12, 15706-15715.	2.6	24
54	1500 years of soil use reconstructed from the chemical properties of a terraced soil sequence. Quaternary International, 2014, 346, 28-40.	1.5	23

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55	Chromium and fluoride sorption/desorption on un-amended and waste-amended forest and vineyard soils and pyritic material. Journal of Environmental Management, 2018, 222, 3-11.	7.8	22
56	Arsenic fractionation in agricultural acid soils from NW Spain using a sequential extraction procedure. Science of the Total Environment, 2007, 378, 18-22.	8.0	20
57	Cu Immobilization and Lolium perenne Development in an Acid Vineyard Soil Amended with Crushed Mussel Shell. Land Degradation and Development, 2017, 28, 762-772.	3.9	20
58	pH-dependent copper release in acid soils treated with crushed mussel shell. International Journal of Environmental Science and Technology, 2013, 10, 983-994.	3.5	19
59	Adsorption, desorption and fractionation of As(V) on untreated and mussel shell-treated granitic material. Solid Earth, 2015, 6, 337-346.	2.8	19
60	Pedotransfer functions to estimate the adsorption and desorption of sulfadiazine in agricultural soils. Science of the Total Environment, 2019, 691, 933-942.	8.0	19
61	Copper and zinc in rhizospheric soil of wild plants growing in long-term acid vineyard soils. Insights on availability and metal remediation. Science of the Total Environment, 2019, 672, 389-399.	8.0	18
62	Science and Technology for the Conservation of Cultural Heritage. , 0, , .		18
63	Treatment of an Acid Soil with Bentonite Used for Wine Fining:â€‰ Effects on Soil Properties and the Growth of Lolium multiflorum. Journal of Agricultural and Food Chemistry, 2007, 55, 7541-7546.	5.2	17
64	Modelling Hg mobility in podzols: Role of soil components and environmental implications. Environmental Pollution, 2020, 260, 114040.	7.5	17
65	Shortâ€scale distribution of copper fractions in a vineyard acid soil. Land Degradation and Development, 2008, 19, 190-197.	3.9	16
66	Time evolution of the general characteristics and Cu retention capacity in an acid soil amended with a bentonite winery waste. Journal of Environmental Management, 2015, 150, 435-443.	7.8	16
67	Influence of different abiotic and biotic factors on the metalaxyl and carbofuran dissipation. Chemosphere, 2013, 90, 2526-2533.	8.2	15
68	Cr(VI) Sorption/Desorption on Pine Sawdust and Oak Wood Ash. International Journal of Environmental Research and Public Health, 2015, 12, 8849-8860.	2.6	15
69	Retention of quaternary ammonium herbicides by acid vineyard soils with different organic matter and Cu contents. Geoderma, 2017, 293, 26-33.	5.1	15
70	Mercury content in volcanic soils across Europe and its relationship with soil properties. Journal of Soils and Sediments, 2012, 12, 542-555.	3.0	14
71	Removal of anionic pollutants by pine bark is influenced by the mechanism of retention. Chemosphere, 2017, 167, 139-145.	8.2	14
72	Using pine bark and mussel shell amendments to reclaim microbial functions in a Cu polluted acid mine soil. Applied Soil Ecology, 2018, 127, 102-111.	4.3	14

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73	As(V)/Cr(VI) pollution control in soils, hemp waste, and other by-products: competitive sorption trials. Environmental Science and Pollution Research, 2016, 23, 19182-19192.	5.3	13
74	Phosphorus retention on forest and vineyard soil samples, mussel shell, pine-sawdust, and on pyritic, granitic and waste materials. Geoderma, 2016, 280, 8-13.	5.1	12
75	Cadmium and Lead Sorption/Desorption on Non-Amended and By-Product-Amended Soil Samples and Pyritic Material. Water (Switzerland), 2017, 9, 886.	2.7	12
76	Is the Total Concentration of a Heavy Metal in Soil a Suitable Tool for Assessing the Environmental Risk? Considering the Case of Copper. Journal of Chemical Education, 2017, 94, 1133-1136.	2.3	11
77	Chromium VI and Fluoride Competitive Adsorption on Different Soils and By-Products. Processes, 2019, 7, 748.	2.8	11
78	Aluminium and iron fractionation of European volcanic soils by selective dissolution techniques. , 2007, , 325-351.		11
79	Transport of Copper Oxychloride-Based Fungicide Particles in Saturated Quartz Sand. Environmental Science & Technology, 2009, 43, 8860-8866.	10.0	10
80	F sorption/desorption on two soils and on different by-products and waste materials. Environmental Science and Pollution Research, 2016, 23, 14676-14685.	5.3	10
81	As(V) Sorption/Desorption on Different Waste Materials and Soil Samples. International Journal of Environmental Research and Public Health, 2017, 14, 803.	2.6	10
82	Litterfall Hg deposition to an oak forest soil from southwestern Europe. Journal of Environmental Management, 2020, 269, 110858.	7.8	10
83	Copper content and distribution in vineyard soils from Betanzos (A CoruÃ±a, Spain). Spanish Journal of Soil Science, 0, 5, .	0.0	10
84	Cyprodinil retention on mixtures of soil and solid wastes from wineries. Effects of waste dose and ageing. Environmental Science and Pollution Research, 2014, 21, 9785-9795.	5.3	9
85	As(V)/Cr(VI) retention on un-amended and waste-amended soil samples: competitive experiments. Environmental Science and Pollution Research, 2017, 24, 1051-1059.	5.3	9
86	Effects of Microbiological and Non-Microbiological Treatments of Sewage Sludge on Antibiotics as Emerging Pollutants Present in Wastewater. , 2019, , 1-17.		9
87	Quality changes of fluvial sediments impacted by urban effluents in Ushuaia, Tierra del Fuego, southernmost Patagonia. Environmental Earth Sciences, 2020, 79, 1.	2.7	9
88	Comparing podzolization under different bioclimatic conditions. Geoderma, 2020, 377, 114581.	5.1	9
89	Modification of Soil Solid Aluminium Phases During an Extreme Experimental Acidification of A Horizons of Forest Soils from Southwest Europe. Water, Air and Soil Pollution, 2007, 7, 235-239.	0.8	8
90	Tracing Pb Pollution Penetration in Temperate Podzols. Land Degradation and Development, 2017, 28, 2432-2445.	3.9	8

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91	Mercury accumulation in soil fractions of podzols from two contrasted geographical temperate areas: southwest Europe and southernmost America. Geoderma, 2020, 362, 114120.	5.1	8
92	Diffusion-induced changes on exchangeable and organic bound copper fractions in acid soil samples enriched with copper. Geoderma, 2008, 148, 85-90.	5.1	7
93	Wheat Straw as a Bio-Sorbent for Arsenate, Chromate, Fluoride, and Nickel. Water (Switzerland), 2017, 9, 690.	2.7	7
94	Editorial: New Findings on the Use of Biosorbents and Technically-Based Sorbents to Control Soil and Water Pollution. Frontiers in Chemistry, 2018, 6, 588.	3.6	7
95	Chapter 4 Mountain mires from Galicia (NW Spain). Developments in Earth Surface Processes, 2006, 9, 85-109.	2.8	6
96	ACID-BASE ADJUSTMENT AND CHEMICAL FRACTIONATION TO ASSESS COPPER AVAILABILITY IN SPANISH VINEYARD SOILS AND SEDIMENTS. Soil Science, 2008, 173, 807-819.	0.9	6
97	Pine Bark Amendment to Promote Sustainability in Cu-Polluted Acid Soils: Effects on Lolium perenne Growth and Cu Uptake. Water, Air, and Soil Pollution, 2017, 228, 1.	2.4	6
98	Total mercury distribution among soil aggregate size fractions in a temperate forest podzol. Spanish Journal of Soil Science, 0, 8, .	0.0	6
99	The role of afforestation species as a driver of Hg accumulation in organic horizons of forest soils from a Mediterranean mountain area in SW Europe. Science of the Total Environment, 2022, 827, 154345.	8.0	6
100	Chemical weathering of Reference European Volcanic Soils. , 2007, , 307-323.		5
101	Metalaxyl mobility in acid soils: evaluation using different methods. International Journal of Environmental Science and Technology, 2015, 12, 2179-2190.	3.5	5
102	Cu retention in an acid soil amended with perlite winery waste. Environmental Science and Pollution Research, 2016, 23, 3789-3798.	5.3	5
103	Carbon mineralization in acidic soils amended with an organo-mineral bentonite waste. Journal of Soil Science and Plant Nutrition, 2017, 17, 624-634.	3.4	5
104	Controlling risks of P water pollution by sorption on soils, pyritic material, granitic material, and different by-products: effects of pH and incubation time. Environmental Science and Pollution Research, 2019, 26, 11558-11564.	5.3	5
105	Soil properties influencing Hg vertical pattern in temperate forest podzols. Environmental Research, 2021, 193, 110552.	7.5	5
106	Trends in nutrient reservoirs stored in uppermost soil horizons of subantarctic forests differing in their structure. Agroforestry Systems, 2013, 87, 1273-1281.	2.0	4
107	Effects of Changing pH, Incubation Time, and As(V) Competition, on Fâ˜ Retention on Soils, Natural Adsorbents, By-Products, and Waste Materials. Frontiers in Chemistry, 2018, 6, 51.	3.6	4
108	Multivariate statistical analysis of chemical properties of European volcanic soils. , 2007, , 387-400.		4

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109	Retention and transport of mecoprop on acid sandy-loam soils. Ecotoxicology and Environmental Safety, 2018, 148, 82-88.	6.0	3
110	Introducing Students to Remediation of Polluted Soils: Influence of Waste-Based Amendments on Cd Extractability. Journal of Chemical Education, 2020, 97, 221-225.	2.3	3
111	Elemental composition of Reference European Volcanic Soils. , 2007, , 289-306.		3
112	Exchange complex properties of soils from a range of European volcanic areas. , 2007, , 369-385.		3
113	Heavy metals in pastureland soils situated in A Pastoriza (NW Spain) treated with cattle slurry and NPK fertilizers. Spanish Journal of Soil Science, 0, 5, .	0.0	3
114	Modification of chemical properties, Cu fractionation and enzymatic activities in an acid vineyard soil amended with winery wastes: A field study. Journal of Environmental Management, 2017, 202, 167-177.	7.8	2
115	Nitrogen mineralization dynamics in acid vineyard soils amended with bentonite winery waste. Archives of Agronomy and Soil Science, 2018, 64, 805-818.	2.6	2
116	By-products as an amendment of a mine soil: effects on microbial biomass determined using phospholipid fatty acids. Spanish Journal of Soil Science, 0, 8, .	0.0	2
117	Temporal and spatial changes in soil micronutrients in managed Nothofagus pumilio forest of Tierra del Fuego, Argentina. Environmental Earth Sciences, 2016, 75, 1.	2.7	1
118	Modification of Soil Solid Aluminium Phases During an Extreme Experimental Acidification of A Horizons of Forest Soils from Southwest Europe. , 2007, , 235-239.		1
119	Mire. Encyclopedia of Earth Sciences Series, 2008, , 482-485.	0.1	0
120	By-Products from Forest Activities as Low-Cost Sorbents for Bioremediation of Effluents and Other Polluted Media. , 2020, , 1-14.		0