David FernÃ¡ndez-CalviÃ±o

List of Publications by Year
in descending order

114 papers	2,769 citations	159358 30 h-index	233125 45 g-index
114 all docs	114 docs citations	114 times ranked	2762 citing authors

#	Article	IF	Citations
1	Time-course evolution of bacterial community tolerance to tetracycline antibiotics in agricultural soils: A laboratory experiment. Chemosphere, 2022, 291, 132758.	4.2	7
2	Estimation of baseline levels of bacterial community tolerance to Cr, Ni, Pb, and Zn in unpolluted soils, a background for PICT (pollution-induced community tolerance) determination. Biology and Fertility of Soils, 2022, 58, 49-61.	2.3	5
3	Degradation of Doxycycline, Enrofloxacin, and Sulfamethoxypyridazine under Simulated Sunlight at Different pH Values and Chemical Environments. Agronomy, 2022, 12, 260.	1.3	4
4	Biotic and Abiotic Contamination Due to Emerging Pollutants in Sewage Sludge and Soils: A Country-Based Perspective. Handbook of Environmental Chemistry, 2022, , 1.	0.2	0
5	Special Issue on â€œSoil and Sustainable Development: Challenges and Solutionsâ€• Processes, 2022, 10, 980.	1.3	0
6	Utilization of mussel shell to remediate soils polluted with heavy metals. , 2022, , 221-242.		1
7	Tolerance of soil bacterial community to tetracycline antibiotics induced by As, Cd, Zn, Cu, Ni, Cr, and Pb pollution. Soil, 2022, 8, 437-449.	2.2	6
8	Investigating Flocculation Capacities of Different Cations and Their Implications for Soil Structure and Sustainability. Journal of Chemical Education, 2021, 98, 639-643.	1.1	2
9	Use of waste materials to prevent tetracycline antibiotics toxicity on the growth of soil bacterial communities. Environmental Research, 2021, 193, 110404.	3.7	13
10	Data on the use of sorbents to control pollution in Europe, with main focus on Spain and Galicia. , 2021, , 15-31.		0
11	Sorbents to control soil pollution. , 2021, , 691-700.		1
12	Influence of Soil Properties and Initial Concentration on the Fractionation of Nickel, Zinc, Copper and Lead in Soils Derived from Different Parent Materials. Agronomy, 2021, 11, 301.	1.3	6
13	Short-term toxicity assessment of a triazine herbicide (terbutryn) underestimates the sensitivity of soil microorganisms. Soil Biology and Biochemistry, 2021, 154, 108130.	4.2	15
14	Sulfadiazine, sulfamethazine and sulfachloropyridazine removal using three different porous materials: Pine bark, â€œoak ashâ€•and mussel shell. Environmental Research, 2021, 195, 110814.	3.7	28
15	Bacterial community tolerance to Cu in soils with geochemical baseline concentrations (GBCs) of heavy metals: Importance for pollution induced community tolerance (PICT) determinations using the leucine incorporation method. Soil Biology and Biochemistry, 2021, 155, 108157.	4.2	8
16	Comparing the effect of Cu-based fungicides and pure Cu salts on microbial biomass, microbial community structure and bacterial community tolerance to Cu. Journal of Hazardous Materials, 2021, 409, 124960.	6.5	7
17	Photodegradation of Ciprofloxacin, Clarithromycin and Trimethoprim: Influence of pH and Humic Acids. Molecules, 2021, 26, 3080.	1.7	10
18	Soil Enzymatic Activities and Microbial Community Structure in Soils Polluted with Tetracycline Antibiotics. Agronomy, 2021, 11, 906.	1.3	9

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19	Retention of the Antibiotic Cefuroxime onto Agricultural and Forest Soils. Applied Sciences (Switzerland), 2021, 11, 4663.	1.3	6
20	Influence of Physicochemical Properties and Parent Material on Chromium Fractionation in Soils. Processes, 2021, 9, 1073.	1.3	6
21	SARS-CoV-2 and other main pathogenic microorganisms in the environment: Situation in Galicia and Spain. Environmental Research, 2021, 197, 111049.	3.7	10
22	The Effect of Clarithromycin Toxicity on the Growth of Bacterial Communities in Agricultural Soils. Processes, 2021, 9, 1303.	1.3	4
23	Efficacy of Different Waste and By-Products from Forest and Food Industries in the Removal/Retention of the Antibiotic Cefuroxime. Processes, 2021, 9, 1151.	1.3	14
24	Sorbents for antibiotics removal. , 2021, , 417-433.		0
25	Adsorption of Tetracycline and Sulfadiazine onto Three Different Bioadsorbents in Binary Competitive Systems. Processes, 2021, 9, 28.	1.3	9
26	Comparison of Cu salts and commercial Cu based fungicides on toxicity towards microorganisms in soil. Environmental Pollution, 2020, 257, 113585.	3.7	18
27	Interactions between soil properties and tetracycline toxicity affecting to bacterial community growth in agricultural soil. Applied Soil Ecology, 2020, 147, 103437.	2.1	31
28	Single and simultaneous adsorption of three sulfonamides in agricultural soils: Effects of pH and organic matter content. Science of the Total Environment, 2020, 744, 140872.	3.9	45
29	Tetracycline and Sulfonamide Antibiotics in Soils: Presence, Fate and Environmental Risks. Processes, 2020, 8, 1479.	1.3	78
30	Effect of Oxytetracycline and Chlortetracycline on Bacterial Community Growth in Agricultural Soils. Agronomy, 2020, 10, 1011.	1.3	12
31	Competitive adsorption and desorption of three tetracycline antibiotics on bio-sorbent materials in binary systems. Environmental Research, 2020, 190, 110003.	3.7	22
32	Specific Adsorption of Heavy Metals in Soils: Individual and Competitive Experiments. Agronomy, 2020, 10, 1113.	1.3	32
33	Bacterial Community Tolerance to Tetracycline Antibiotics in Cu Polluted Soils. Agronomy, 2020, 10, 1220.	1.3	10
34	The Toxicity Exerted by the Antibiotic Sulfadiazine on the Growth of Soil Bacterial Communities May Increase over Time. International Journal of Environmental Research and Public Health, 2020, 17, 8773.	1.2	4
35	Use of biomass ash to reduce toxicity affecting soil bacterial community growth due to tetracycline antibiotics. Journal of Environmental Management, 2020, 269, 110838.	3.8	20
36	Influence of mussel shell, oak ash and pine bark on the adsorption and desorption of sulfonamides in agricultural soils. Journal of Environmental Management, 2020, 261, 110221.	3.8	19

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37	Effects of pine bark amendment on the transport of sulfonamide antibiotics in soils. Chemosphere, 2020, 248, 126041.	4.2	9
38	Adsorption-desorption of doxycycline in agricultural soils: Batch and stirred-flow-chamber experiments. Environmental Research, 2020, 186, 109565.	3.7	30
39	Estimation of adsorption/desorption Freundlich's affinity coefficients for oxytetracycline and chlortetracycline from soil properties: Experimental data and pedotransfer functions. Ecotoxicology and Environmental Safety, 2020, 196, 110584.	2.9	29
40	By-Products from Forest Activities as Low-Cost Sorbents for Bioremediation of Effluents and Other Polluted Media. , 2020, , 1-14.		0
41	Experimental data and model prediction of tetracycline adsorption and desorption in agricultural soils. Environmental Research, 2019, 177, 108607.	3.7	50
42	Competitive adsorption of tetracycline, oxytetracycline and chlortetracycline on soils with different pH value and organic matter content. Environmental Research, 2019, 178, 108669.	3.7	50
43	Retention of propiconazole and terbutryn on acid sandy-loam soils with different organic matter and Cu concentrations. Journal of Environmental Management, 2019, 248, 109346.	3.8	9
44	Adsorption/desorption and transport of sulfadiazine, sulfachloropyridazine, and sulfamethazine, in acid agricultural soils. Chemosphere, 2019, 234, 978-986.	4.2	34
45	Editorial of the VSI â€œAntibiotics and heavy metals in the environment: Facing the challengeâ€• Science of the Total Environment, 2019, 678, 30-32.	3.9	6
46	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.	3.9	18
47	Chromium VI and Fluoride Competitive Adsorption on Different Soils and By-Products. Processes, 2019, 7, 748.	1.3	11
48	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.	2.1	14
49	Retention and transport of mecoprop on acid sandy-loam soils. Ecotoxicology and Environmental Safety, 2018, 148, 82-88.	2.9	3
50	Nitrogen mineralization dynamics in acid vineyard soils amended with bentonite winery waste. Archives of Agronomy and Soil Science, 2018, 64, 805-818.	1.3	2
51	Degradation of sulfadiazine, sulfachloropyridazine and sulfamethazine in aqueous media. Journal of Environmental Management, 2018, 228, 239-248.	3.8	52
52	Biotic and abiotic dissipation of tetracyclines using simulated sunlight and in the dark. Science of the Total Environment, 2018, 635, 1520-1529.	3.9	53
53	Retention of quaternary ammonium herbicides by acid vineyard soils with different organic matter and Cu contents. Geoderma, 2017, 293, 26-33.	2.3	15
54	Heavy metals fractionation and desorption in pine bark amended mine soils. Journal of Environmental Management, 2017, 192, 79-88.	3.8	26

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55	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.	1.1	11
56	Ecotoxicological assessment of propiconazole using soil bacterial and fungal growth assays. Applied Soil Ecology, 2017, 115, 27-30.	2.1	23
57	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.	3.8	2
58	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.	1.1	6
59	Cu Immobilization and <i>Lolium perenne</i> Development in an Acid Vineyard Soil Amended with Crushed Mussel Shell. Land Degradation and Development, 2017, 28, 762-772.	1.8	20
60	As(V) Sorption/Desorption on Different Waste Materials and Soil Samples. International Journal of Environmental Research and Public Health, 2017, 14, 803.	1.2	10
61	Carbon mineralization in acidic soils amended with an organo-mineral bentonite waste. Journal of Soil Science and Plant Nutrition, 2017, 17, 624-634.	1.7	5
62	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.	4.6	34
63	Changes in Cd, Cu, Ni, Pb and Zn Fractionation and Liberation Due to Mussel Shell Amendment on a Mine Soil. Land Degradation and Development, 2016, 27, 1276-1285.	1.8	28
64	Interaction between pH and Cu toxicity on fungal and bacterial performance in soil. Soil Biology and Biochemistry, 2016, 96, 20-29.	4.2	48
65	Cu retention in an acid soil amended with perlite winery waste. Environmental Science and Pollution Research, 2016, 23, 3789-3798.	2.7	5
66	Competitive adsorption/desorption of tetracycline, oxytetracycline and chlortetracycline on two acid soils: Stirred flow chamber experiments. Chemosphere, 2015, 134, 361-366.	4.2	67
67	Perspectives on the use of by-products to treat soil and water pollution. Microporous and Mesoporous Materials, 2015, 210, 199-201.	2.2	32
68	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.	3.8	16
69	Kinetics of tetracycline, oxytetracycline, and chlortetracycline adsorption and desorption on two acid soils. Environmental Science and Pollution Research, 2015, 22, 425-433.	2.7	50
70	Modeling losses of copper-based fungicide foliar sprays in wash-off under simulated rain. International Journal of Environmental Science and Technology, 2015, 12, 661-672.	1.8	12
71	Effect of crushed mussel shell addition on bacterial growth in acid polluted soils. Applied Soil Ecology, 2015, 85, 65-68.	2.1	14
72	Metalaxyl mobility in acid soils: evaluation using different methods. International Journal of Environmental Science and Technology, 2015, 12, 2179-2190.	1.8	5

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73	Competitive adsorption and transport of Cd, Cu, Ni and Zn in a mine soil amended with mussel shell. Chemosphere, 2014, 107, 379-385.	4.2	29
74	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.	3.8	70
75	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.	2.7	9
76	Influence of mussel shell on As and Cr competitive and non-competitive sorptionâ€“desorption kinetics in a mine soil: stirred flow chamber experiments. Geoderma, 2014, 232-234, 300-308.	2.3	20
77	SPATIAL DISTRIBUTION OF COPPER FRACTIONS IN A VINEYARD SOIL. Land Degradation and Development, 2013, 24, 556-563.	1.8	32
78	pH-dependent copper release in acid soils treated with crushed mussel shell. International Journal of Environmental Science and Technology, 2013, 10, 983-994.	1.8	19
79	Respiration parameters determined by the ISO-17155 method as potential indicators of copper pollution in vineyard soils after long-term fungicide treatment. Science of the Total Environment, 2013, 447, 25-31.	3.9	14
80	Influence of different abiotic and biotic factors on the metalaxyl and carbofuran dissipation. Chemosphere, 2013, 90, 2526-2533.	4.2	15
81	Co-selection for antibiotic tolerance in Cu-polluted soil is detected at higher Cu-concentrations than increased Cu-tolerance. Soil Biology and Biochemistry, 2013, 57, 953-956.	4.2	30
82	Pollution of surface waters by metalaxyl and nitrate from non-point sources. Science of the Total Environment, 2013, 461-462, 282-289.	3.9	24
83	Modeling the influence of raindrop size on the wash-off losses of copper-based fungicides sprayed on potato (<i>Solanum tuberosum L.</i>) leaves. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2013, 48, 737-746.	0.7	15
84	Coupled transport of humic acids and copper through saturated porous media. European Journal of Soil Science, 2012, 63, 708-716.	1.8	18
85	Assessing the effects of Cu and pH on microorganisms in highly acidic vineyard soils. European Journal of Soil Science, 2012, 63, 571-578.	1.8	23
86	Mercury content in volcanic soils across Europe and its relationship with soil properties. Journal of Soils and Sediments, 2012, 12, 542-555.	1.5	14
87	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.	4.2	27
88	Copper release kinetics from a long-term contaminated acid soil using a stirred flow chamber: Effect of ionic strength and pH. Journal of Colloid and Interface Science, 2012, 367, 422-428.	5.0	6
89	Zinc distribution and acidâ€“base mobilisation in vineyard soils and sediments. Science of the Total Environment, 2012, 414, 470-479.	3.9	47
90	Adsorption and Desorption Behavior of Metalaxyl in Intensively Cultivated Acid Soils. Journal of Agricultural and Food Chemistry, 2011, 59, 7286-7293.	2.4	27

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91	Zinc adsorption in acid soils. Geoderma, 2011, 162, 358-364.	2.3	40
92	Bacterial pH-optima for growth track soil pH, but are higher than expected at low pH. Soil Biology and Biochemistry, 2011, 43, 1569-1575.	4.2	59
93	Bacterial pollution induced community tolerance (PICT) to Cu and interactions with pH in long-term polluted vineyard soils. Soil Biology and Biochemistry, 2011, 43, 2324-2331.	4.2	42
94	Phosphorus effect on Zn adsorptionâ€“desorption kinetics in acid soils. Chemosphere, 2011, 83, 1028-1034.	4.2	35
95	Influence of phosphorus on Cu sorption kinetics: Stirred flow chamber experiments. Journal of Hazardous Materials, 2011, 185, 220-226.	6.5	21
96	Adsorption and desorption kinetics of carbofuran in acid soils. Journal of Hazardous Materials, 2011, 190, 159-167.	6.5	42
97	Kinetics of Hg(II) adsorption and desorption in calcined mussel shells. Journal of Hazardous Materials, 2010, 180, 622-627.	6.5	44
98	Enzyme activities in vineyard soils long-term treated with copper-based fungicides. Soil Biology and Biochemistry, 2010, 42, 2119-2127.	4.2	104
99	Influence of humified organic matter on copper behavior in acid polluted soils. Environmental Pollution, 2010, 158, 3634-3641.	3.7	37
100	Growth response of the bacterial community to pH in soils differing in pH. FEMS Microbiology Ecology, 2010, 73, no-no.	1.3	108
101	Paraquat and Diquat Sorption on Iron Oxide Coated Quartz Particles and the Effect of Phosphates. Journal of Chemical & Engineering Data, 2010, 55, 2668-2672.	1.0	24
102	Batch and stirred flow reactor experiments on Zn sorption in acid soils. Geoderma, 2010, 159, 417-424.	2.3	18
103	Microbial community structure of vineyard soils with different pH and copper content. Applied Soil Ecology, 2010, 46, 276-282.	2.1	66
104	Copper fractionation and release from soils devoted to different crops. Journal of Hazardous Materials, 2009, 167, 797-802.	6.5	30
105	The effect of phosphate on the sorption of copper by acid soils. Geoderma, 2009, 150, 166-170.	2.3	37
106	Copper accumulation and fractionation in vineyard soils from temperate humid zone (NW Iberian) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	2.3	89
107	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.	1.8	45
108	Shortâ€scale distribution of copper fractions in a vineyard acid soil. Land Degradation and Development, 2008, 19, 190-197.	1.8	16

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109	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.	4.8	28
110	Copper distribution and acid-base mobilization in vineyard soils and sediments from Galicia (NW) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 7	1.8	75
111	Copper content of soils and river sediments in a winegrowing area, and its distribution among soil or sediment components. Geoderma, 2008, 145, 91-97.	2.3	67
112	Copper Retention Kinetics in Acid Soils. Soil Science Society of America Journal, 2008, 72, 63-72.	1.2	26
113	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
114	Copper content and distribution in vineyard soils from Betanzos (A CoruÃ±a, Spain). Spanish Journal of Soil Science, 0, 5, .	0.0	10