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List of Publications by Year
in descending order

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44 papers	1,036 citations	394421 19 h-index	434195 31 g-index
46 all docs	46 docs citations	46 times ranked	1325 citing authors

#	Article	IF	Citations
1	Facilitated transport of Cu with hydroxyapatite nanoparticles in saturated sand: Effects of solution ionic strength and composition. Water Research, 2011, 45, 5905-5915.	11.3	109
2	Rainfall partitioning into throughfall, stemflow and interception loss by two xerophytic shrubs within a rain-fed re-vegetated desert ecosystem, northwestern China. Journal of Hydrology, 2015, 527, 1084-1095.	5.4	99
3	Transport behavior of humic acid-modified nano-hydroxyapatite in saturated packed column: Effects of Cu, ionic strength, and ionic composition. Journal of Colloid and Interface Science, 2011, 360, 398-407.	9.4	54
4	Xâ€ray CTâ€Derived Soil Characteristics Explain Varying Air, Water, and Solute Transport Properties across a Loamy Field. Vadose Zone Journal, 2016, 15, 1-13.	2.2	52
5	Influence of pH and Soil Copper on Adsorption of Metalaxyl and Penconazole by the Surface Layer of Vineyard Soils. Journal of Agricultural and Food Chemistry, 2006, 54, 8155-8162.	5.2	46
6	Phenanthrene Sorption on Biochar-Amended Soils: Application Rate, Aging, and Physicochemical Properties of Soil. Water, Air, and Soil Pollution, 2014, 225, 1.	2.4	46
7	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
8	Effects of Biochar on Air and Water Permeability and Colloid and Phosphorus Leaching in Soils from a Natural Calcium Carbonate Gradient. Journal of Environmental Quality, 2014, 43, 647-657.	2.0	45
9	Facilitated Transport of Copper with Hydroxyapatite Nanoparticles in Saturated Sand. Soil Science Society of America Journal, 2012, 76, 375-388.	2.2	39
10	SPATIAL DISTRIBUTION OF COPPER FRACTIONS IN A VINEYARD SOIL. Land Degradation and Development, 2013, 24, 556-563.	3.9	32
11	Prediction of the glyphosate sorption coefficient across two loamy agricultural fields. Geoderma, 2015, 259-260, 224-232.	5.1	31
12	Influence of the adjuvants in a commercial formulation of the fungicide â€œSwitchâ€•on the adsorption of their active ingredients: Cyprodinil and fludioxonil, on soils devoted to vineyard. Journal of Hazardous Materials, 2011, 193, 288-295.	12.4	29
13	Linking pore network characteristics extracted from CT images to the transport of solute and colloid tracers in soils under different tillage managements. Soil and Tillage Research, 2018, 177, 145-154.	5.6	29
14	Soil Properties Control Glyphosate Sorption in Soils Amended with Birch Wood Biochar. Water, Air, and Soil Pollution, 2016, 227, 1.	2.4	27
15	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
16	Effects of Past Copper Contamination and Soil Structure on Copper Leaching from Soil. Journal of Environmental Quality, 2013, 42, 1852-1862.	2.0	23
17	Behaviour of metalaxyl as copper oxychlorideâ€“metalaxyl commercial formulation vs. technical grade-metalaxyl in vineyards-devoted soils. Journal of Hazardous Materials, 2010, 174, 181-187.	12.4	21
18	Water and solute transport in agricultural soils predicted by volumetric clay and silt contents. Journal of Contaminant Hydrology, 2016, 192, 194-202.	3.3	21

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19	Effects of Biochar on Dispersibility of Colloids in Agricultural Soils. Journal of Environmental Quality, 2017, 46, 143-152.	2.0	21
20	Field-Scale Predictions of Soil Contaminant Sorption Using Visibleâ€“Near Infrared Spectroscopy. Journal of Near Infrared Spectroscopy, 2016, 24, 281-291.	1.5	20
21	Rainfall-induced removal of copper-based spray residues from vines. Ecotoxicology and Environmental Safety, 2016, 132, 304-310.	6.0	20
22	Coupled transport of humic acids and copper through saturated porous media. European Journal of Soil Science, 2012, 63, 708-716.	3.9	18
23	A new method to trace colloid transport pathways in macroporous soils using Xâ€ray computed tomography and fluorescence macrophotography. European Journal of Soil Science, 2019, 70, 431-442.	3.9	18
24	Modeling the influence of raindrop size on the wash-off losses of copper-based fungicides sprayed on potato (Solanum tuberosum L.) leaves. Journal of Environmental Science and Health - Part B Pesticides, Food Contaminants, and Agricultural Wastes, 2013, 48, 737-746.	1.5	15
25	Percolation theory applied to soil tomography. Geoderma, 2020, 357, 113959.	5.1	15
26	Detachment of sprayed colloidal copper oxychlorideâ€“metalaxyl fungicides by a shallow water flow. Pest Management Science, 2009, 65, 615-623.	3.4	13
27	3D multifractal characterization of computed tomography images of soils under different tillage management: Linking multifractal parameters to physical properties. Geoderma, 2020, 363, 114129.	5.1	13
28	Influence of Soil Characteristics on Copper Sorption from a Copper Oxychloride Fungicide. Journal of Agricultural and Food Chemistry, 2009, 57, 2843-2848.	5.2	12
29	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.	3.5	12
30	Modeling raindrop strike performance on copper wash-off from vine leaves. Journal of Environmental Management, 2015, 150, 472-478.	7.8	11
31	Transport of Copper Oxychloride-Based Fungicide Particles in Saturated Quartz Sand. Environmental Science & Technology, 2009, 43, 8860-8866.	10.0	10
32	Predicting release and transport of pesticides from a granular formulation during unsaturated diffusion in porous media. Journal of Contaminant Hydrology, 2014, 158, 14-22.	3.3	10
33	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
34	Influence of soluble copper on the electrokinetic properties and transport of copper oxychloride-based fungicide particles. Journal of Contaminant Hydrology, 2011, 126, 37-44.	3.3	8
35	Predictivity Strength of the Spatial Variability of Phenanthrene Sorption Across Two Sandy Loam Fields. Water, Air, and Soil Pollution, 2015, 226, 1.	2.4	6
36	Concentration levels of new-generation fungicides in throughfall released by foliar wash-off from vineyards. Journal of Environmental Management, 2017, 203, 467-475.	7.8	6

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37	Influence of pore water velocity on the release of carbofuran and fenamiphos from commercial granulates embedded in a porous matrix. Journal of Contaminant Hydrology, 2012, 142-143, 75-81.	3.3	5
38	Pressure Jumps during Drainage in Macroporous Soils. Vadose Zone Journal, 2017, 16, 1-12.	2.2	5
39	Sepia ink as a surrogate for colloid transport tests in porous media. Journal of Contaminant Hydrology, 2016, 191, 88-98.	3.3	4
40	Effect of Particle Size on Copper Oxychloride Transport through Saturated Sand Columns. Journal of Agricultural and Food Chemistry, 2010, 58, 6870-6875.	5.2	3
41	Clay-to-Carbon Ratio Controls the Effect of Herbicide Application on Soil Bacterial Richness and Diversity in a Loamy Field. Water, Air, and Soil Pollution, 2017, 228, 1.	2.4	3
42	Particle Leaching Rates from a Loamy Soil Are Controlled by the Mineral Fines Content and the Degree of Preferential Flow. Journal of Environmental Quality, 2018, 47, 1538-1545.	2.0	3
43	Humic acids modify the pulse size distributions in the characterization of plastic microparticles by Tunable Resistive Pulse Sensing. Journal of Contaminant Hydrology, 2018, 218, 59-69.	3.3	1
44	Bypass and hyperbole in soil science: A perspective from the next generation of soil scientists. European Journal of Soil Science, 2021, 72, 31-34.	3.9	1