Rafael Boluda

List of Publications by Year
in descending order

50 papers	2,609 citations	172207 29 h-index	189595 50 g-index
50 all docs	50 docs citations	50 times ranked	3331 citing authors

#	Article	IF	Citations
1	Heavy metals incidence in the application of inorganic fertilizers and pesticides to rice farming soils. Environmental Pollution, 1996, 92, 19-25.	3.7	357
2	Impact of 70 years urban growth associated with heavy metal pollution. Environmental Pollution, 2015, 196, 156-163.	3.7	211
3	Composting rice straw with sewage sludge and compost effects on the soilâ€“plant system. Chemosphere, 2009, 75, 781-787.	4.2	160
4	Spatial relations of heavy metals in arable and greenhouse soils of a Mediterranean environment region (Spain). Geoderma, 2013, 200-201, 180-188.	2.3	153
5	Assessment of the soil organic carbon stock in Spain. Geoderma, 2016, 264, 117-125.	2.3	141
6	Influence of soil water content on the thermal infrared emissivity of bare soils: Implication for land surface temperature determination. Journal of Geophysical Research, 2007, 112, .	3.3	117
7	Determination and evaluation of cadmium, lead and nickel in greenhouse soils of AlmerÄ±Ìa (Spain). Chemosphere, 2004, 55, 1027-1034.	4.2	115
8	Background levels and baseline values of available heavy metals in Mediterranean greenhouse soils (Spain). Journal of Geochemical Exploration, 2011, 110, 186-192.	1.5	77
9	Selenium and heavy metals content in some Mediterranean soils. Journal of Geochemical Exploration, 2010, 107, 110-116.	1.5	70
10	Effects of Rosmarinus officinalis and Salvia officinalis essential oils on Tetranychus urticae Koch (Acari: Tetranychidae). Industrial Crops and Products, 2013, 48, 106-110.	2.5	69
11	Shoot accumulation of several trace elements in native plant species from contaminated soils in the Peruvian Andes. Journal of Geochemical Exploration, 2012, 113, 106-111.	1.5	65
12	Accumulation of Pb and Zn in Bidens triplinervia and Senecio sp. spontaneous species from mine spoils in Peru and their potential use in phytoremediation. Journal of Geochemical Exploration, 2012, 123, 109-113.	1.5	62
13	Characteristics of rice straw and sewage sludge as composting materials in Valencia (Spain). Bioresource Technology, 2004, 95, 107-112.	4.8	59
14	Application of the MicrotoxÂ® test and pollution indices to the study of water toxicity in the Albufera Natural Park (Valencia, Spain). Chemosphere, 2002, 46, 355-369.	4.2	58
15	Characterisation of Bobal and Crujidera grape cultivars, in comparison with Tempranillo and Cabernet Sauvignon: Evolution of leaf macronutrients and berry composition during grape ripening. Food Chemistry, 2008, 108, 182-190.	4.2	53
16	Soil Moisture Effect on Thermal Infrared (8â€“13-Î¼m) Emissivity. IEEE Transactions on Geoscience and Remote Sensing, 2010, 48, 2251-2260.	2.7	53
17	Screening for new accumulator plants in potential hazards elements polluted soil surrounding Peruvian mine tailings. Catena, 2016, 136, 66-73.	2.2	50
18	Soil features in rookeries of Antarctic penguins reveal sea to land biotransport of chemical pollutants. PLoS ONE, 2017, 12, e0181901.	1.1	49

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19	Environmental cadmium, lead and nickel contamination: possible relationship between soil and vegetable content. Fresenius' Journal of Analytical Chemistry, 1991, 339, 654-657.	1.5	47
20	Optimization of a solid-phase extraction technique for the extraction of pesticides from soil samples. Journal of Chromatography A, 1996, 719, 69-76.	1.8	42
21	Dissipation and Distribution of Atrazine, Simazine, Chlorpyrifos, and Tetradifon Residues in Citrus Orchard Soil. Archives of Environmental Contamination and Toxicology, 1997, 32, 346-352.	2.1	41
22	Determination and assessment of mercury content in calcareous soils. Chemosphere, 2010, 78, 409-415.	4.2	41
23	Soil plate bioassay: An effective method to determine ecotoxicological risks. Chemosphere, 2011, 84, 1-8.	4.2	41
24	Determination of pesticides in soil samples by solid phase extraction disks. Chromatographia, 1993, 36, 187-190.	0.7	40
25	Analysis of pharmaceutical biodegradation of WWTP sludge using composting and identification of certain microorganisms involved in the process. Science of the Total Environment, 2018, 640-641, 840-848.	3.9	40
26	Seasonal cardenolide production and Dop5Î²r gene expression in natural populations of Digitalis obscura. Phytochemistry, 2004, 65, 1869-1878.	1.4	39
27	Distribution of heavy metals in rice farming soils. Archives of Environmental Contamination and Toxicology, 1995, 29, 476.	2.1	36
28	Direct and Indirect Exogenous Contamination by Pesticides of Rice-Farming Soils in a Mediterranean Wetland. Archives of Environmental Contamination and Toxicology, 2003, 44, 141-151.	2.1	33
29	Assessing soil contamination and temporal trends of heavy metal contents in greenhouses on semiarid land. Land Degradation and Development, 2018, 29, 3344-3354.	1.8	31
30	Relation between reflectance of rice crop and indices of pollution by heavy metals in soils of albufera natural park (Valencia, Spain). Soil and Tillage Research, 1993, 6, 351-363.	0.4	30
31	Soil organic carbon stock on the Majorca Island: Temporal change in agricultural soil over the last 10â€¯years. Catena, 2019, 181, 104087.	2.2	27
32	Pyrolysisâ€Gas Chromatography/Mass Spectrometry of Soil Organic Matter Extracted from a Brazilian Mangrove and Spanish Salt Marshes. Soil Science Society of America Journal, 2009, 73, 841-851.	1.2	25
33	Comparison of three sequential extraction procedures for trace element partitioning in three contaminated Mediterranean soils. Environmental Geochemistry and Health, 2008, 30, 171-175.	1.8	20
34	Influence of parent material and soil use on arsenic forms in soils: A case study in the AmblÃ©s Valley (Castilla-LeÃ³n, Spain). Journal of Geochemical Exploration, 2014, 147, 260-267.	1.5	18
35	Determination of thiobencarb residues in water and soil using solid-phase extraction discs. Journal of Chromatography A, 1994, 678, 375-379.	1.8	17
36	SOIL CHARACTERISTICS, MINERAL NUTRIENTS, BIOMASS, AND CARDENOLIDE PRODUCTION INDIGITALIS OBSCURAWILD POPULATIONS. Journal of Plant Nutrition, 2002, 25, 2015-2026.	0.9	16

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37	Ecological risk assessment of mercury and chromium in greenhouse soils. Environmental Geochemistry and Health, 2020, 42, 313-324.	1.8	15
38	Soil-plant relationships, micronutrient contents, and cardenolide production in natural populations ofDigitalis obscura. Journal of Plant Nutrition and Soil Science, 2004, 167, 79-84.	1.1	12
39	Relationships among soil characteristics, plant macronutrients, and cardenolide accumulation in natural populations ofDigitalis obscura. Journal of Plant Nutrition and Soil Science, 2005, 168, 774-780.	1.1	11
40	Seasonal Variation in Nutrient Status of Foxglove Leaves. Journal of Plant Nutrition, 2006, 29, 1077-1084.	0.9	11
41	Chemical and spectroscopic characteristics of humic acids in marshes from the Iberian Peninsula. Journal of Soils and Sediments, 2013, 13, 253-264.	1.5	11
42	Cover crops and pruning in Bobal and Tempranillo vineyards have little influence on grapevine nutrition. Scientia Agricola, 2016, 73, 260-265.	0.6	10
43	Trends in soil mercury stock associated with pollution sources on a Mediterranean island (Majorca,) Tj ETQq1 1 0.784314 rgBT /Overl	3.7	9
44	Determination of enzymatic activities using a miniaturized system as a rapid method to assess soil quality. European Journal of Soil Science, 2014, 65, 286-294.	1.8	8
45	Persistence of pesticide residues in orchard soil. Science of the Total Environment, 1994, 156, 199-205.	3.9	6
46	Effects of traditional and light pruning on viticultural and oenological performance of Bobal and Tempranillo vineyards. Oeno One, 2016, 49, 145.	0.7	4
47	Relationship between cobalt, copper and zinc content of soils and vegetables. Molecular Nutrition and Food Research, 1992, 36, 451-460.	0.0	3
48	CONTENT AND EVOLUTION OF MERCURY IN GREENHOUSE SOILS OF ALMERIA, SPAIN. Acta Horticulturae, 2012, , 821-826.	0.1	2
49	ASSESSING COMPOST PHYTOTOXICITY USING COMPOST ELUATES AND A COMPOST PLATE BIOASSAY. Acta Horticulturae, 2013, , 95-100.	0.1	2
50	Effects of Soil Quality on the Microbial Community Structure of Poorly Evolved Mediterranean Soils. Toxics, 2022, 10, 14.	1.6	2