

Jose Antonio Rodriguez Martin

List of Publications by Year in descending order

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62
papers

3,422
citations

172207

29
h-index

143772

57
g-index

62
all docs

62
docs citations

62
times ranked

4427
citing authors

#	ARTICLE	IF	CITATIONS
1	Soil nematode abundance and functional group composition at a global scale. <i>Nature</i> , 2019, 572, 194-198.	13.7	635
2	Heavy metals contents in agricultural topsoils in the Ebro basin (Spain). Application of the multivariate geostatistical methods to study spatial variations. <i>Environmental Pollution</i> , 2006, 144, 1001-1012.	3.7	347
3	Impact of 70 years urban growth associated with heavy metal pollution. <i>Environmental Pollution</i> , 2015, 196, 156-163.	3.7	211
4	Multiscale analysis of heavy metal contents in Spanish agricultural topsoils. <i>Chemosphere</i> , 2008, 70, 1085-1096.	4.2	198
5	Multiscale analysis of heavy metal contents in soils: Spatial variability in the Duero river basin (Spain). <i>Geoderma</i> , 2012, 189-190, 554-562.	2.3	156
6	Spatial relations of heavy metals in arable and greenhouse soils of a Mediterranean environment region (Spain). <i>Geoderma</i> , 2013, 200-201, 180-188.	2.3	153
7	Assessment of the soil organic carbon stock in Spain. <i>Geoderma</i> , 2016, 264, 117-125.	2.3	141
8	Effects of municipal solid waste compost and mineral fertilizer amendments on soil properties and heavy metals distribution in maize plants (<i>Zea mays</i> L.). <i>Chemosphere</i> , 2011, 85, 1614-1623.	4.2	132
9	Effect of soil properties, heavy metals and emerging contaminants in the soil nematodes diversity. <i>Environmental Pollution</i> , 2016, 213, 184-194.	3.7	76
10	Impact of gold mining associated with mercury contamination in soil, biota sediments and tailings in Kenya. <i>Environmental Science and Pollution Research</i> , 2014, 21, 12426-12435.	2.7	74
11	Soil as an archive of coal-fired power plant mercury deposition. <i>Journal of Hazardous Materials</i> , 2016, 308, 131-138.	6.5	72
12	Geospatial patterns of soil properties and the biological control potential of entomopathogenic nematodes in Florida citrus groves. <i>Soil Biology and Biochemistry</i> , 2013, 66, 163-174.	4.2	58
13	Effect of mine tailing on the spatial variability of soil nematodes from lead pollution in La Union (Spain). <i>Science of the Total Environment</i> , 2014, 473-474, 518-529.	3.9	57
14	Ecological risk of heavy metal hotspots in topsoils in the Province of Golestan, Iran. <i>Journal of Geochemical Exploration</i> , 2014, 147, 268-276.	1.5	57
15	Assessment of soil health indicators for sustainable production of maize in smallholder farming systems in the highlands of Cameroon. <i>Geoderma</i> , 2016, 276, 64-73.	2.3	54
16	Occurrence and analysis of selected pharmaceutical compounds in soil from Spanish agricultural fields. <i>Environmental Science and Pollution Research</i> , 2014, 21, 4772-4782.	2.7	50
17	The uncoupling of secondary growth, cone and litter production by intradecadal climatic variability in a mediterranean scots pine forest. <i>Forest Ecology and Management</i> , 2007, 253, 19-29.	1.4	47
18	Transgenic nematodes as biosensors for metal stress in soil pore water samples. <i>Ecotoxicology</i> , 2012, 21, 439-455.	1.1	47

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19	A global database of soil nematode abundance and functional group composition. <i>Scientific Data</i> , 2020, 7, 103.	2.4	46
20	Potentially toxic elements in commonly consumed fish species from the western Mediterranean Sea (Almer�a Bay): Bioaccumulation in liver and muscle tissues in relation to biometric parameters. <i>Science of the Total Environment</i> , 2019, 671, 280-287.	3.9	44
21	Use of transgenic GFP reporter strains of the nematode <i>Caenorhabditis elegans</i> to investigate the patterns of stress responses induced by pesticides and by organic extracts from agricultural soils. <i>Ecotoxicology</i> , 2013, 22, 72-85.	1.1	43
22	Orchard and horticulture systems in Spanish Mediterranean coastal areas: Is there a real possibility to contribute to C sequestration?. <i>Agriculture, Ecosystems and Environment</i> , 2017, 238, 153-167.	2.5	43
23	Source Identification of Soil Mercury in the Spanish Islands. <i>Archives of Environmental Contamination and Toxicology</i> , 2013, 64, 171-179.	2.1	41
24	Factors Controlling the Spatial Variability of Copper in Topsoils of the Northeastern Region of the Iberian Peninsula, Spain. <i>Water, Air, and Soil Pollution</i> , 2007, 186, 311-321.	1.1	39
25	Vegetation drives assemblages of entomopathogenic nematodes and other soil organisms: Evidence from the Algarve, Portugal. <i>Soil Biology and Biochemistry</i> , 2019, 128, 150-163.	4.2	38
26	Wood and bark of <i>Pinus halepensis</i> as archives of heavy metal pollution in the Mediterranean Region. <i>Environmental Pollution</i> , 2018, 239, 438-447.	3.7	37
27	Scale-dependent correlations between soil heavy metals and As around four coal-fired power plants of northern Greece. <i>Stochastic Environmental Research and Risk Assessment</i> , 2015, 29, 1531-1543.	1.9	34
28	Copper Content and Export in European Vineyard Soils Influenced by Climate and Soil Properties. <i>Environmental Science & Technology</i> , 2021, 55, 7327-7334.	4.6	34
29	Volcanic mercury in <i>Pinus canariensis</i> . <i>Die Naturwissenschaften</i> , 2013, 100, 739-747.	0.6	33
30	Assessing soil contamination and temporal trends of heavy metal contents in greenhouses on semiarid land. <i>Land Degradation and Development</i> , 2018, 29, 3344-3354.	1.8	31
31	Entomopathogenic nematode food web assemblages in Florida natural areas. <i>Soil Biology and Biochemistry</i> , 2016, 93, 105-114.	4.2	30
32	Soil organic carbon stock on the Majorca Island: Temporal change in agricultural soil over the last 10� years. <i>Catena</i> , 2019, 181, 104087.	2.2	27
33	Entomopathogenic nematode food webs in an ancient, mining pollution gradient in Spain. <i>Science of the Total Environment</i> , 2016, 572, 312-323.	3.9	26
34	Modeling Regional Effects of Climate Change on Soil Organic Carbon in Spain. <i>Journal of Environmental Quality</i> , 2018, 47, 644-653.	1.0	21
35	An assessment of the variation of soil properties with landscape attributes in the highlands of Cameroon. <i>Land Degradation and Development</i> , 2018, 29, 2496-2505.	1.8	20
36	Using fuzzy clustering algorithms to describe the distribution of trace elements in arable calcareous soils in northwest Iran. <i>Archives of Agronomy and Soil Science</i> , 2013, 59, 435-448.	1.3	19

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37	Trace and major element associations in basaltic ash soils of El Hierro Island. <i>Journal of Geochemical Exploration</i> , 2014, 147, 277-282.	1.5	19
38	Factors Controlling the Spatial Variability of Mercury Distribution in Spanish Topsoil. <i>Soil and Sediment Contamination</i> , 2009, 18, 30-42.	1.1	18
39	Influence of parent material and soil use on arsenic forms in soils: A case study in the Ambli�s Valley (Castilla-Le�n, Spain). <i>Journal of Geochemical Exploration</i> , 2014, 147, 260-267.	1.5	18
40	Artisanal gold mining in a rural environment: Land degradation in Kenya. <i>Land Degradation and Development</i> , 2018, 29, 3285-3293.	1.8	18
41	Mercury content in topsoils, and geostatistical methods to identify anthropogenic input in the Ebro basin (Spain). <i>Spanish Journal of Agricultural Research</i> , 2009, 7, 107.	0.3	18
42	Landscape approach to assess key soil functional properties in the highlands of Cameroon: Repercussions of spatial relationships for land management interventions. <i>Journal of Geochemical Exploration</i> , 2017, 178, 35-44.	1.5	16
43	Sublethal and chronic effects of reclaimed water on aquatic organisms. Looking for relationships between physico-chemical characterisation and toxic effects. <i>Science of the Total Environment</i> , 2018, 640-641, 1537-1547.	3.9	15
44	Ecological risk assessment of mercury and chromium in greenhouse soils. <i>Environmental Geochemistry and Health</i> , 2020, 42, 313-324.	1.8	15
45	Patterns of Occurrence and Activity of Entomopathogenic Fungi in the Algarve (Portugal) Using Different Isolation Methods. <i>Insects</i> , 2020, 11, 352.	1.0	14
46	Local deposition of mercury in topsoils around coal-fired power plants: is it always true?. <i>Environmental Science and Pollution Research</i> , 2014, 21, 10205-10214.	2.7	13
47	Effect of dairy cattle production systems on sustaining soil organic carbon storage in grasslands of northern Spain. <i>Regional Environmental Change</i> , 2022, 22, 1.	1.4	12
48	Spatial relations of mercury contents in Pike (<i>Esox lucius</i>) and sediments concentration of the Anzali wetland, along the southern shores of the Caspian Sea, Iran. <i>Marine Pollution Bulletin</i> , 2014, 84, 97-103.	2.3	9
49	Trends in soil mercury stock associated with pollution sources on a Mediterranean island (Majorca,). <i>TJ ETQq1 1 0.784314 rgBT /Overl</i>	3.7	9
50	Trace elements concentrations in soil, desert-adapted and non-desert plants in central Iran: Spatial patterns and uncertainty analysis. <i>Environmental Pollution</i> , 2018, 243, 270-281.	3.7	8
51	Mercury contents in relation to biometrics and proximal composition and nutritional levels of fish eaten from the Western Mediterranean Sea (Almer� bay). <i>Marine Pollution Bulletin</i> , 2018, 135, 783-789.	2.3	8
52	Spatial methods to analyze the relationship between Spanish soil properties and cadmium content. <i>Chemosphere</i> , 2021, 268, 129347.	4.2	7
53	Effects of Sugar Foam Liming on the Water-Retention Properties of Soil. <i>Communications in Soil Science and Plant Analysis</i> , 2015, 46, 1299-1308.	0.6	6
54	Effects of dietary 2,2,4,4-tetrabromodiphenyl ether (BDE-47) exposure on medaka (<i>Oryzias latipes</i>) swimming behavior. <i>Environmental Pollution</i> , 2018, 233, 540-551.	3.7	6

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55	Cd and Pb bioaccumulation in Eurasian watermilfoil (<i>Myriophyllum spicatum</i>) in relation to the role of metal contents in wetland sediments. <i>Environmental Monitoring and Assessment</i> , 2020, 192, 518.	1.3	6
56	Health risk assessment associated to heavy metal pollution levels in Mediterranean environment soils: a case study in the watershed of Sebkhet Ariana, Tunisia. <i>Arabian Journal of Geosciences</i> , 2022, 15, 1.	0.6	5
57	Levels and Variability of Metals in Soils of the Province of Golestan (Iran). <i>Archives of Environmental Contamination and Toxicology</i> , 2014, 67, 617-629.	2.1	4
58	Forested landscapes dynamics in relation to forest fire occurrence in peninsular Spain: 1987-2000. <i>Investigacion Agraria Sistemas Y Recursos Forestales</i> , 2008, 17, 143.	0.4	3
59	Spatial variability of heavy metal concentrations in vineyard soils on Malayer Plains (Iran). <i>Environmental Forensics</i> , 2016, 17, 87-96.	1.3	2
60	Effects of Soil Quality on the Microbial Community Structure of Poorly Evolved Mediterranean Soils. <i>Toxics</i> , 2022, 10, 14.	1.6	2
61	Análisis de la producción de maíz en España. <i>Avances En Ciencias E IngenierAs</i> , 2022, 14, .	0.1	0
62	Application of an Ecotoxicological Battery Test to the Paddy Field Soils of the Albufera Natural Park. <i>Toxics</i> , 2022, 10, 375.	1.6	0