Rosa Devesa-Rey

List of Publications by Year
in descending order

47 papers	1,316 citations	377584 21 h-index	388640 36 g-index
47 all docs	47 docs citations	47 times ranked	1918 citing authors

#	Article	IF	Citations
1	Preparation of Synthetic Clays to Remove Phosphates and Ibuprofen in Water. Water (Switzerland), 2021, 13, 2394.	1.2	3
2	Analysis of Biomaterials as Green Coagulants to Control Suspended Solids for Surface Water Treatment. International Journal of Environmental Research and Public Health, 2020, 17, 1777.	1.2	2
3	Magnetic properties of surface sediments as proxies of recent anthropogenic pollution in the AnllÃ³ns riverbed (NW Spain). Environmental Earth Sciences, 2017, 76, 1.	1.3	7
4	DiseÃ±o de un Experimento de OptimizaciÃ³n del Proceso de CoagulaciÃ³n-FloculaciÃ³n de Aguas en el Laboratorio de QuÃmica. Modelling in Science Education and Learning, 2017, 10, 35.	0.1	0
5	Evaluation of a cactus mucilage biocomposite to remove total arsenic from water. Environmental Technology and Innovation, 2016, 6, 69-79.	3.0	21
6	Monitoring benthic microflora in river bed sediments: a case study in the AnllÃ³ns River (Spain). Journal of Soils and Sediments, 2016, 16, 1825-1839.	1.5	6
7	Biofilm Formation on River Sediments Under Different Light Intensities and Nutrient Inputs: A Flume Mesocosm Study. Environmental Engineering Science, 2016, 33, 250-260.	0.8	11
8	Kinetic and morphology study of alginate-vineyard pruning waste biocomposite vs. non modified vineyard pruning waste for dye removal. Journal of Environmental Sciences, 2015, 38, 158-167.	3.2	23
9	Optimization of liquidâ€“liquid extraction of biosurfactants from corn steep liquor. Bioprocess and Biosystems Engineering, 2015, 38, 1629-1637.	1.7	54
10	Optimization of extraction conditions and fatty acid characterization of Lactobacillus pentosus cellâ€bound biosurfactant/bioemulsifier. Journal of the Science of Food and Agriculture, 2015, 95, 313-320.	1.7	68
11	Saltâ€Free Aqueous Extraction of a Cellâ€Bound Biosurfactant: a Kinetic Study. Journal of Surfactants and Detergents, 2015, 18, 267-274.	1.0	19
12	Study of the physical properties of calcium alginate hydrogel beads containing vineyard pruning waste for dye removal. Carbohydrate Polymers, 2015, 115, 129-138.	5.1	51
13	Elimination of micronutrients from winery wastewater using entrapped grape marc in alginate beads. CYTA - Journal of Food, 2014, 12, 73-79.	0.9	12
14	Study of the Surfactant Properties of Aqueous Stream from the Corn Milling Industry. Journal of Agricultural and Food Chemistry, 2014, 62, 5451-5457.	2.4	43
15	Formulation of an alginate-vineyard pruning waste composite as a new eco-friendly adsorbent to remove micronutrients from agroindustrial effluents. Chemosphere, 2014, 111, 24-31.	4.2	32
16	Effect of phosphorus on the attenuation of lead and chromium transport in soils. Environmental Earth Sciences, 2013, 70, 2443-2451.	1.3	1
17	Entrapped Peat in Alginate Beads as Green Adsorbent for the Elimination of Dye Compounds from Vinasses. Water, Air, and Soil Pollution, 2013, 224, 1.	1.1	23
18	Application of the Wengâ€™s ratio for the identification of Zn, Cu, and Pb contamination in soils and sediments. Journal of Soils and Sediments, 2013, 13, 932-942.	1.5	5

#	Article	IF	Citations
19	Evaluation of biosurfactant obtained from Lactobacillus pentosus as foaming agent in froth flotation. Journal of Environmental Management, 2013, 128, 655-660.	3.8	28
20	Arsenate Retention by Epipsammic Biofilms Developed on Streambed Sediments: Influence of Phosphate. BioMed Research International, 2013, 2013, 1-10.	0.9	9
21	Evaluation of Phosphorus Species in the Bed Sediments of an Atlantic Basin: Bioavailability and Relation with Surface Active Components of the Sediment. Soil and Sediment Contamination, 2012, 21, 1-18.	1.1	7
22	Study of the Synergistic Effects of Salinity, pH, and Temperature on the Surface-Active Properties of Biosurfactants Produced by Lactobacillus pentosus. Journal of Agricultural and Food Chemistry, 2012, 60, 1258-1265.	2.4	43
23	Effect of a compost mulch on seed germination and plant growth in a burnt forest soil from NW Spain. Journal of Soil Science and Plant Nutrition, 2012, 12, 73-86.	1.7	9
24	Allochthonous versus autochthonous naturally occurring organic matter in the AnllÃ³ns river bed sediments (Spain). Environmental Earth Sciences, 2012, 66, 773-782.	1.3	20
25	Optimization of batch operating conditions for the decolourization of vinasses using surface response methodology. Microchemical Journal, 2012, 102, 83-90.	2.3	13
26	Evaluation of Non-Conventional Coagulants to Remove Turbidity from Water. Water, Air, and Soil Pollution, 2012, 223, 591-598.	1.1	13
27	Distribution and availability of trace elements in municipal solid waste composts. Journal of Environmental Monitoring, 2011, 13, 201-211.	2.1	45
28	Ex Situ Treatment of Hydrocarbon-Contaminated Soil Using Biosurfactants from Lactobacillus pentosus. Journal of Agricultural and Food Chemistry, 2011, 59, 9443-9447.	2.4	62
29	Valorization of winery waste vs. the costs of not recycling. Waste Management, 2011, 31, 2327-2335.	3.7	261
30	Optimization of the dose of calcium lactate as a new coagulant for the coagulationâ€“flocculation of suspended particles in water. Desalination, 2011, 280, 63-71.	4.0	19
31	Assessment of enrichment factors and grain size influence on the metal distribution in riverbed sediments (AnllÃ³ns River, NW Spain). Environmental Monitoring and Assessment, 2011, 179, 371-388.	1.3	43
32	Nondestructive assessment of phytopigments in riverbed sediments by the use of instrumental color measurements. Journal of Soils and Sediments, 2011, 11, 841-851.	1.5	8
33	Phosphorus transfer across boundaries: from basin soils to river bed sediments. Journal of Soils and Sediments, 2011, 11, 1125-1134.	1.5	20
34	Optimisation of entrapped activated carbon conditions to remove coloured compounds from winery wastewaters. Bioresource Technology, 2011, 102, 6437-6442.	4.8	22
35	Analysis of the degree of contamination and evolution in the last 100Âyears of the composition of the bed sediments of the AnllÃ³ns Basin. Environmental Earth Sciences, 2010, 61, 1401-1417.	1.3	18
36	Application of an incomplete factorial design for the formation of an autotrophic biofilm on river bed sediments at a microcosms scale. Journal of Soils and Sediments, 2010, 10, 1623-1632.	1.5	6

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37	Trace metals in river bed sediments: An assessment of their partitioning and bioavailability by using multivariate exploratory analysis. Journal of Environmental Management, 2010, 91, 2471-2477.	3.8	53
38	Arsenic release from river sediments in a gold-mining area (Anllons River basin, Spain): effect of time, pH and phosphorous concentration. European Journal of Mineralogy, 2010, 22, 665-678.	0.4	24
39	Relationship between color and pigment production in two stone biofilm-forming cyanobacteria (Nostocsp. PCC 9104 andNostocsp. PCC 9025). Biofouling, 2010, 26, 499-509.	0.8	46
40	Study of phytopigments in river bed sediments: effects of the organic matter, nutrients and metal composition. Environmental Monitoring and Assessment, 2009, 153, 147-159.	1.3	17
41	Total Phosphorous Distribution and Bioavailability in the Bed Sediments of an Atlantic Basin (Galicia,) Tj ETQq1 1 0.784314 rgBT /Ove	1.1	45
42	Normalization strategies for river bed sediments: A graphical approach. Microchemical Journal, 2009, 91, 253-265.	2.3	13
43	Fractionation and Bioavailability of Arsenic in the Bed Sediments of the AnllÃ³ns River (NW Spain). Water, Air, and Soil Pollution, 2008, 195, 189-199.	1.1	43
44	Toxicity of AnllÃ³ns River Sediment Extracts Using Microtox and the Zucconi Phytotoxicity Test. Bulletin of Environmental Contamination and Toxicology, 2008, 80, 225-230.	1.3	23
45	Extraction study of algal pigments in river bed sediments by applying factorial designs. Talanta, 2007, 72, 1546-1551.	2.9	26
46	Comparison of the structural stability of pasture and cultivated soils. Science of the Total Environment, 2007, 378, 174-178.	3.9	22
47	Physiologically based extraction of heavy metals in compost: Preliminary results. Journal of Trace Elements in Medicine and Biology, 2007, 21, 83-85.	1.5	7