

Ivana D SmiÄiklas

List of Publications by Year in descending order

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42
papers

621
citations

567281

15
h-index

642732

23
g-index

42
all docs

42
docs citations

42
times ranked

843
citing authors

#	ARTICLE	IF	CITATIONS
1	Novel approach for strontium preconcentration from seawater and rapid determination of ^{89,90} Sr in emergency situations. <i>Talanta</i> , 2022, 250, 123722.	5.5	1
2	Efficient separation of strontium radionuclides from high-salinity wastewater by zeolite 4A synthesized from Bayer process liquids. <i>Scientific Reports</i> , 2021, 11, 1738.	3.3	12
3	Thermo-oxidative evolution and physico-chemical characterization of seashell waste for application in commercial sectors. <i>Thermochimica Acta</i> , 2020, 686, 178568.	2.7	8
4	Utilization of C&D waste in radioactive waste treatment – Current knowledge and perspectives. , 2020, , 475-500.		7
5	Radionuclide Immobilization by Sorption onto Waste Concrete and Bricks – Experimental Design Methodology. <i>Water, Air, and Soil Pollution</i> , 2019, 230, 1.	2.4	3
6	Interactions of acidic soil near copper mining and smelting complex and waste-derived alkaline additives. <i>Geoderma</i> , 2019, 352, 241-250.	5.1	8
7	Sorption of divalent heavy metal ions onto functionalized biogenic hydroxyapatite with caffeic acid and 3,4-dihydroxybenzoic acid. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2019, 54, 899-905.	1.7	8
8	Cadmium retention and distribution in contaminated soil: effects and interactions of soil properties, contamination level, aging time and in situ immobilization agents. <i>Ecotoxicology and Environmental Safety</i> , 2019, 174, 305-314.	6.0	51
9	Estimation of Cadmium uptake by tobacco plants from laboratory leaching tests. <i>Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering</i> , 2018, 53, 352-361.	1.7	4
10	Antibacterial ability of supported silver nanoparticles by functionalized hydroxyapatite with 5-aminosalicylic acid. <i>Vacuum</i> , 2018, 148, 62-68.	3.5	27
11	The applicability of construction and demolition waste components for radionuclide sorption. <i>Journal of Cleaner Production</i> , 2018, 171, 322-332.	9.3	24
12	Experimental and theoretical consideration of the factors influencing cationic pollutants retention by seashell waste. <i>Journal of Chemical Technology and Biotechnology</i> , 2018, 93, 1477-1487.	3.2	9
13	Evaluation of Factors Affecting Chemical Extraction of Co Ions from Contaminated Soil. , 2018, , .		0
14	Amendment Type and Dose Effects onto Coexisting Copper, Lead, and Nickel Ions Distribution in Soil. <i>Water, Air, and Soil Pollution</i> , 2018, 229, 1.	2.4	1
15	Exploring innovative solutions for aged concrete utilization: treatment of liquid radioactive waste. <i>Clean Technologies and Environmental Policy</i> , 2018, 20, 1343-1354.	4.1	8
16	Leaching kinetics of Co(II) and Sr(II) contaminated soil via chemical extraction method. <i>Nuclear Technology and Radiation Protection</i> , 2018, 33, 252-259.	0.8	0
17	Sorption and mobility of Co(II) in relation to soil properties. <i>Geoderma</i> , 2017, 297, 38-47.	5.1	14
18	Utilization of waste ceramics and roof tiles for radionuclide sorption. <i>Chemical Engineering Research and Design</i> , 2017, 105, 348-360.	5.6	17

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19	Functionalized biogenic hydroxyapatite with 5-aminosalicylic acid â€“ Sorbent for efficient separation of Pb ²⁺ and Cu ²⁺ ions. Journal of Environmental Chemical Engineering, 2017, 5, 3759-3765.	6.7	14
20	The role of different minerals from red mud assemblage in Co(II) sorption mechanism. Colloids and Surfaces A: Physicochemical and Engineering Aspects, 2016, 508, 8-20.	4.7	17
21	Effect of experimental variables onto Co ²⁺ and Sr ²⁺ sorption behavior in red mud-water suspensions. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2016, 51, 1-12.	1.7	2
22	Chemical speciation of metals in unpolluted soils of different types: Correlation with soil characteristics and an ANN modelling approach. Journal of Geochemical Exploration, 2016, 165, 71-80.	3.2	26
23	Ni(II) immobilization by bio-apatite materials: Appraisal of chemical, thermal and combined treatments. Chemical Industry and Chemical Engineering Quarterly, 2016, 22, 117-126.	0.7	4
24	Evaluation study of cobalt(II) and strontium(II) sorptionâ€“desorption behavior for selection of soil remediation technology. International Journal of Environmental Science and Technology, 2015, 12, 3853-3862.	3.5	15
25	Study of Simultaneous Radionuclide Sorption by Mixture Design Methodology. Industrial & Engineering Chemistry Research, 2015, 54, 11212-11221.	3.7	17
26	Evaluation of the effects of treatment factors on the properties of bio-apatite materials. Journal of Materials Science, 2015, 50, 354-365.	3.7	9
27	Effect of acid treatment on red mud properties with implications on Ni(II) sorption and stability. Chemical Engineering Journal, 2014, 242, 27-35.	12.7	72
28	Immobilization of ⁶⁰ Co and ⁹⁰ Sr ions using red mud from aluminum industry. Nuclear Technology and Radiation Protection, 2014, 29, 79-87.	0.8	10
29	Speciation of ⁹⁰ Sr and other metal cations in artificially contaminated soils: the influence of bone sorbent addition. Journal of Soils and Sediments, 2013, 13, 383-393.	3.0	18
30	Thermal characterization and kinetic analysis of non-isothermal decomposition process of Bauxite red mud. Estimation of density distribution function of the apparent activation energy. International Journal of Mineral Processing, 2013, 123, 46-59.	2.6	26
31	Analysis of factors influencing Cu(II) sorption by clinoptilolite. Hemijska Industrija, 2013, 67, 739-745.	0.7	0
32	Evaluation of factors influencing Co ²⁺ removal by calcinated bone sorbent using experimental design methodology. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2012, 47, 896-908.	1.7	2
33	The non-isothermal combustion process of hydrogen peroxide treated animal bones. Kinetic analysis. Thermochemica Acta, 2011, 521, 130-138.	2.7	9
34	The effect of process parameters on kinetics and mechanisms of Co ²⁺ removal by bone char. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2011, 46, 1558-1569.	1.7	16
35	Resource recovery of animal bones: Study on sorptive properties and mechanism for Sr ²⁺ ions. Journal of Nuclear Materials, 2010, 400, 15-24.	2.7	20
36	The non-isothermal thermogravimetric tests of animal bones combustion. Part II. Statistical analysis: Application of the Weibull mixture model. Thermochemica Acta, 2010, 505, 98-105.	2.7	15

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37	The non-isothermal thermogravimetric tests of animal bones combustion. Part. I. Kinetic analysis. <i>Thermochimica Acta</i> , 2009, 495, 129-138.	2.7	30
38	Kinetic Study of Sr ²⁺ Sorption by Bone Char. <i>Separation Science and Technology</i> , 2009, 44, 645-667.	2.5	14
39	Experimental design approach in the synthesis of hydroxyapatite by neutralization method. <i>Separation and Purification Technology</i> , 2005, 44, 97-102.	7.9	67
40	Cadmium immobilization by hydroxyapatite. <i>Hemijska Industrija</i> , 2003, 57, 101-106.	0.7	1
41	Radioactive Contamination of the Soil: Assessments of Pollutants Mobility with Implication to Remediation Strategies. , 0, , .		15
42	Kinetic and thermodynamic analysis of thermo-oxidative degradation of seashell powders with different particle size fractions: compensation effect and iso-equilibrium phenomena. <i>Journal of Thermal Analysis and Calorimetry</i> , 0, , 1.	3.6	0