Ivana D SmiÄiklas

List of Publications by Year
in descending order

42	621	567281 15	642732 23
papers	citations	h-index	g-index

42	42	42	843
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	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
2	Experimental design approach in the synthesis of hydroxyapatite by neutralization method. Separation and Purification Technology, 2005, 44, 97-102.	7.9	67
3	Cadmium retention and distribution in contaminated soil: effects and interactions of soil properties, contamination level, aging time and in situ immobilization agents. Ecotoxicology and Environmental Safety, 2019, 174, 305-314.	6.0	51
4	The non-isothermal thermogravimetric tests of animal bones combustion. Part. I. Kinetic analysis. Thermochimica Acta, 2009, 495, 129-138.	2.7	30
5	Antibacterial ability of supported silver nanoparticles by functionalized hydroxyapatite with 5-aminosalicylic acid. Vacuum, 2018, 148, 62-68.	3.5	27
6	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
7	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
8	The applicability of construction and demolition waste components for radionuclide sorption. Journal of Cleaner Production, 2018, 171, 322-332.	9.3	24
9	Resource recovery of animal bones: Study on sorptive properties and mechanism for Sr2+ ions. Journal of Nuclear Materials, 2010, 400, 15-24.	2.7	20
10	Speciation of 90Sr 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
11	Study of Simultaneous Radionuclide Sorption by Mixture Design Methodology. Industrial & Engineering Chemistry Research, 2015, 54, 11212-11221.	3.7	17
12	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
13	Utilization of waste ceramics and roof tiles for radionuclide sorption. Chemical Engineering Research and Design, 2017, 105, 348-360.	5.6	17
14	The effect of process parameters on kinetics and mechanisms of Co²⁺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
15	The non-isothermal thermogravimetric tests of animal bones combustion. Part II. Statistical analysis: Application of the Weibull mixture model. Thermochimica Acta, 2010, 505, 98-105.	2.7	15
16	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
17	Radioactive Contamination of the Soil: Assessments of Pollutants Mobility with Implication to Remediation Strategies. , 0, , .		15
18	Kinetic Study of Sr²⁺Sorption by Bone Char. Separation Science and Technology, 2009, 44, 645-667.	2.5	14

#	Article	IF	Citations
19	Sorption and mobility of Co(II) in relation to soil properties. Geoderma, 2017, 297, 38-47.	5.1	14
20	Functionalized biogenic hydroxyapatite with 5-aminosalicylic acid â€“ Sorbent for efficient separation of Pb2+ and Cu2+ ions. Journal of Environmental Chemical Engineering, 2017, 5, 3759-3765.	6.7	14
21	Efficient separation of strontium radionuclides from high-salinity wastewater by zeolite 4A synthesized from Bayer process liquids. Scientific Reports, 2021, 11, 1738.	3.3	12
22	Immobilization of 60Co and 90Sr ions using red mud from aluminum industry. Nuclear Technology and Radiation Protection, 2014, 29, 79-87.	0.8	10
23	The non-isothermal combustion process of hydrogen peroxide treated animal bones. Kinetic analysis. Thermochimica Acta, 2011, 521, 130-138.	2.7	9
24	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
25	Experimental and theoretical consideration of the factors influencing cationic pollutants retention by seashell waste. Journal of Chemical Technology and Biotechnology, 2018, 93, 1477-1487.	3.2	9
26	Exploring innovative solutions for aged concrete utilization: treatment of liquid radioactive waste. Clean Technologies and Environmental Policy, 2018, 20, 1343-1354.	4.1	8
27	Interactions of acidic soil near copper mining and smelting complex and waste-derived alkaline additives. Geoderma, 2019, 352, 241-250.	5.1	8
28	Sorption of divalent heavy metal ions onto functionalized biogenic hydroxyapatite with caffeic acid and 3,4-dihydroxybenzoic acid. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2019, 54, 899-905.	1.7	8
29	Thermo-oxidative evolution and physico-chemical characterization of seashell waste for application in commercial sectors. Thermochimica Acta, 2020, 686, 178568.	2.7	8
30	Utilization of C&D waste in radioactive waste treatmentâ€"Current knowledge and perspectives. , 2020, , 475-500.		7
31	Estimation of Cadmium uptake by tobacco plants from laboratory leaching tests. Journal of Environmental Science and Health - Part A Toxic/Hazardous Substances and Environmental Engineering, 2018, 53, 352-361.	1.7	4
32	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
33	Radionuclide Immobilization by Sorption onto Waste Concrete and Bricksâ€"Experimental Design Methodology. Water, Air, and Soil Pollution, 2019, 230, 1.	2.4	3
34	Evaluation of factors influencing Co²⁺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
35	Effect of experimental variables onto Co²⁺and Sr²⁺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
36	Amendment Type and Dose Effects onto Coexisting Copper, Lead, and Nickel Ions Distribution in Soil. Water, Air, and Soil Pollution, 2018, 229, 1.	2.4	1

#	ARTICLE	IF	CITATIONS
37	Cadmium immobilization by hydroxyapatite. Hemijska Industrija, 2003, 57, 101-106.	0.7	1
38	Novel approach for strontium preconcentration from seawater and rapid determination of 89,90Sr in emergency situations. Talanta, 2022, 250, 123722.	5.5	1
39	Evaluation of Factors Affecting Chemical Extraction of Co Ions from Contaminated Soil. , 2018, , .		0
40	Kinetic and thermodynamic analysis of thermo-oxidative degradation of seashell powders with different particle size fractions: compensation effect and iso-equilibrium phenomena. Journal of Thermal Analysis and Calorimetry, 0, , 1.	3.6	0
41	Analysis of factors influencing Cu(II) sorption by clinoptiolite. Hemijska Industrija, 2013, 67, 739-745.	0.7	0
42	Leaching kinetics of Co(II) and Sr(II) contaminated soil via chemical extraction method. Nuclear Technology and Radiation Protection, 2018, 33, 252-259.	0.8	0