

Sayed Metwally

List of Publications by Year in descending order

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35
papers

940
citations

361413

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454955

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37
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37
times ranked

643
citing authors

#	ARTICLE	IF	CITATIONS
1	Surface modification of ball clay minerals with gamma irradiation polymerization for removal of cerium and gadolinium ions from aqueous phase. <i>Hydrometallurgy</i> , 2022, 208, 105816.	4.3	5
2	Utilization of synthetic nano-cryptomelane for enhanced scavenging of cesium and cobalt ions from single and binary solutions. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2022, 331, 1821-1838.	1.5	6
3	Ni-alginate hydrogel beads for establishing breakthrough curves of lead ions removal from aqueous solutions. <i>Environmental Science and Pollution Research</i> , 2022, 29, 80716-80726.	5.3	2
4	Improving the Performance of Engineering Barriers in Radioactive Waste Disposal Facilities: Role of Nano-materials. , 2021, , 1183-1200.		1
5	Performance Evaluation of Fixed Bed Column Packed with Ionic Liquid Impregnated Silica for Separation of Gadolinium and Neodymium from Aqueous Solutions. <i>Chromatographia</i> , 2021, 84, 335-345.	1.3	6
6	Encapsulation of nano-sized iron(III)-titanium(IV) mixed oxide for the removal of Co(II), Cd(II) and Ni(II) ions using continuous-flow column: multicomponent solution. <i>Separation Science and Technology</i> , 2020, 55, 1932-1946.	2.5	4
7	Fixed-bed column for the removal of cesium, strontium, and lead ions from aqueous solutions using brick kiln waste. <i>Separation Science and Technology</i> , 2020, 55, 635-647.	2.5	26
8	Utilization of Modified Attapulgite for the Removal of Sr(II), Co(II), and Ni(II) Ions from Multicomponent System, Part I: Kinetic Studies. <i>Environmental Science and Pollution Research</i> , 2020, 27, 6824-6836.	5.3	14
9	Experimental and mathematical modeling of Cr(VI) removal using nano-magnetic Fe ₃ O ₄ -coated perlite from the liquid phase. <i>Chinese Journal of Chemical Engineering</i> , 2020, 28, 1582-1590.	3.5	26
10	Impact of surface modification of chabazite on the sorption of iodine and molybdenum radioisotopes from liquid phase. <i>Journal of Molecular Liquids</i> , 2019, 290, 111237.	4.9	26
11	Impact of environmental conditions on the sorption behavior of ⁶⁰ Co and ¹⁵²⁺¹⁵⁴ Eu radionuclides onto polyaniline/zirconium aluminate composite. <i>Journal of Molecular Liquids</i> , 2019, 287, 110941.	4.9	44
12	Life Cycle of Ion Exchangers in Nuclear Industry: Application and Management of Spent Exchangers. , 2019, , 3709-3732.		4
13	Retardation behavior of alum industrial waste for cationic and anionic radionuclides. <i>Chemical Engineering Research and Design</i> , 2019, 124, 31-38.	5.6	29
14	Environmental impact assessment of phosphate fertilizers and phosphogypsum waste: Elemental and radiological effects. <i>Microchemical Journal</i> , 2019, 146, 789-797.	4.5	63
15	Selective sorption and separation of molybdenum ion from some fission products by impregnated perlite. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018, 124, 131-136.	3.6	30
16	Utilization of nano-cryptomelane for the removal of cobalt, cesium and lead ions from multicomponent system: Kinetic and equilibrium studies. <i>Journal of Hazardous Materials</i> , 2018, 352, 1-16.	12.4	31
17	Gamma-induced radiation polymerization of kaolin composite for sorption of lanthanum, europium and uranium ions from low-grade monazite leachate. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 315, 39-49.	1.5	36
18	Life Cycle of Ion Exchangers in Nuclear Industry: Application and Management of Spent Exchangers. , 2018, , 1-25.		2

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19	Physicochemical properties of synthetic nano-birnessite and its enhanced scavenging of Co ²⁺ and Sr ²⁺ ions from aqueous solutions. <i>Materials Chemistry and Physics</i> , 2017, 193, 63-72.	4.0	33
20	Biosorption of strontium ions from aqueous solution using modified eggshell materials. <i>Radiochimica Acta</i> , 2017, 105, 1021-1031.	1.2	17
21	Impregnation of task-specific ionic liquid into a solid support for removal of neodymium and gadolinium ions from aqueous solution. <i>Journal of Molecular Liquids</i> , 2017, 236, 9-17.	4.9	42
22	Modification of hydroxyapatite for removal of cesium and strontium ions from aqueous solution. <i>Journal of Alloys and Compounds</i> , 2017, 709, 438-444.	5.5	86
23	Modification of natural bentonite using a chelating agent for sorption of ⁶⁰ Co radionuclide from aqueous solution. <i>Applied Clay Science</i> , 2016, 126, 33-40.	5.2	38
24	Elaboration of Impregnated Composite for Sorption of Europium and Neodymium Ions from Aqueous Solutions. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 32, 264-272.	5.8	36
25	Preparation and Characterization of Nano-Sized Iron-Titanium Mixed Oxide for Removal of Some Lanthanides from Aqueous Solution. <i>Separation Science and Technology</i> , 2014, 49, 2426-2436.	2.5	34
26	Simultaneous solid phase extraction of cobalt, strontium and cesium from liquid radioactive waste using microcrystalline naphthalene. <i>Radiochimica Acta</i> , 2014, 102, 1017-1024.	1.2	27
27	Utilization of low-cost sorbent for removal and separation of ¹³⁴ Cs, ⁶⁰ Co and ¹⁵²⁺¹⁵⁴ Eu radionuclides from aqueous solution. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2014, 302, 441-449.	1.5	36
28	Adsorptive removal of methylene blue as organic pollutant by marble dust as eco-friendly sorbent. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2370-2377.	5.8	78
29	Uranium sorption onto activated carbon prepared from rice straw: Competition with humic acids. <i>Applied Surface Science</i> , 2013, 280, 745-750.	6.1	60
30	Extraction of copper from ammoniacal solution using impregnated amberlite XAD-7 resin loaded with LIX-54. <i>Journal of Environmental Chemical Engineering</i> , 2013, 1, 252-259.	6.7	19
31	Amidoximation of Cyano Group for Chelating Ion Exchange of Some Heavy Metal Ions from Wastewater. <i>Separation Science and Technology</i> , 2013, 48, 1830-1840.	2.5	19
32	Verification of double-shell model for sorption of cesium, cobalt, and europium ions on poly-acrylonitrile-based Ce(IV) phosphate from aqueous solutions. <i>Desalination and Water Treatment</i> , 2012, 46, 124-138.	1.0	24
33	Removal and Separation of Some Radionuclides by Poly-acrylamide Based Ce(IV) Phosphate from Radioactive Waste Solutions. <i>Separation Science and Technology</i> , 2011, 46, 1808-1821.	2.5	34
34	Performance evaluation of zirconium silicate composite for removal of cadmium and zinc ions. <i>Chemistry and Ecology</i> , 0, , 1-19.	1.6	0
35	Application of solid waste as an adsorbent for capture of ¹³⁷ Cs, ⁸⁵ Sr and ¹³¹ I from environmental water. <i>International Journal of Environmental Analytical Chemistry</i> , 0, , 1-12.	3.3	1