Sayed Metwally

List of Publications by Year
in descending order

35 papers	940 citations	361413 20 h-index	454955 30 g-index
37 all docs	37 docs citations	37 times ranked	643 citing authors

#	Article	IF	Citations
1	Modification of hydroxyapatite for removal of cesium and strontium ions from aqueous solution. Journal of Alloys and Compounds, 2017, 709, 438-444.	5.5	86
2	Adsorptive removal of methylene blue as organic pollutant by marble dust as eco-friendly sorbent. Journal of Industrial and Engineering Chemistry, 2014, 20, 2370-2377.	5.8	78
3	Environmental impact assessment of phosphate fertilizers and phosphogypsum waste: Elemental and radiological effects. Microchemical Journal, 2019, 146, 789-797.	4.5	63
4	Uranium sorption onto activated carbon prepared from rice straw: Competition with humic acids. Applied Surface Science, 2013, 280, 745-750.	6.1	60
5	Impact of environmental conditions on the sorption behavior of 60Co and 152+154Eu radionuclides onto polyaniline/zirconium aluminate composite. Journal of Molecular Liquids, 2019, 287, 110941.	4.9	44
6	Impregnation of task-specific ionic liquid into a solid support for removal of neodymium and gadolinium ions from aqueous solution. Journal of Molecular Liquids, 2017, 236, 9-17.	4.9	42
7	Modification of natural bentonite using a chelating agent for sorption of 60Co radionuclide from aqueous solution. Applied Clay Science, 2016, 126, 33-40.	5.2	38
8	Utilization of low-cost sorbent for removal and separation of 134Cs, 60Co and 152+154Eu radionuclides from aqueous solution. Journal of Radioanalytical and Nuclear Chemistry, 2014, 302, 441-449.	1.5	36
9	Elaboration of Impregnated Composite for Sorption of Europium and Neodymium Ions from Aqueous Solutions. Journal of Industrial and Engineering Chemistry, 2015, 32, 264-272.	5.8	36
10	Gamma-induced radiation polymerization of kaolin composite for sorption of lanthanum, europium and uranium ions from low-grade monazite leachate. Journal of Radioanalytical and Nuclear Chemistry, 2018, 315, 39-49.	1.5	36
11	Removal and Separation of Some Radionuclides by Poly-acrylamide Based Ce(IV) Phosphate from Radioactive Waste Solutions. Separation Science and Technology, 2011, 46, 1808-1821.	2.5	34
12	Preparation and Characterization of Nano-Sized Ironâ€“Titanium Mixed Oxide for Removal of Some Lanthanides from Aqueous Solution. Separation Science and Technology, 2014, 49, 2426-2436.	2.5	34
13	Physicochemical properties of synthetic nano-birnessite and its enhanced scavenging of Co2+ and Sr2+ ions from aqueous solutions. Materials Chemistry and Physics, 2017, 193, 63-72.	4.0	33
14	Utilization of nano-cryptomelane for the removal of cobalt, cesium and lead ions from multicomponent system: Kinetic and equilibrium studies. Journal of Hazardous Materials, 2018, 352, 1-16.	12.4	31
15	Selective sorption and separation of molybdenum ion from some fission products by impregnated perlite. Chemical Engineering and Processing: Process Intensification, 2018, 124, 131-136.	3.6	30
16	Retardation behavior of alum industrial waste for cationic and anionic radionuclides. Chemical Engineering Research and Design, 2019, 124, 31-38.	5.6	29
17	Simultaneous solid phase extraction of cobalt, strontium and cesium from liquid radioactive waste using microcrystalline naphthalene. Radiochimica Acta, 2014, 102, 1017-1024.	1.2	27
18	Impact of surface modification of chabazite on the sorption of iodine and molybdenum radioisotopes from liquid phase. Journal of Molecular Liquids, 2019, 290, 111237.	4.9	26

#	Article	IF	Citations
19	Fixed-bed column for the removal of cesium, strontium, and lead ions from aqueous solutions using brick kiln waste. Separation Science and Technology, 2020, 55, 635-647.	2.5	26
20	Experimental and mathematical modeling of Cr(VI) removal using nano-magnetic Fe3O4-coated perlite from the liquid phase. Chinese Journal of Chemical Engineering, 2020, 28, 1582-1590.	3.5	26
21	Verification of double-shell model for sorption of cesium, cobalt, and europium ions on poly-acrylonitrile-based Ce(IV) phosphate from aqueous solutions. Desalination and Water Treatment, 2012, 46, 124-138.	1.0	24
22	Extraction of copper from ammoniacal solution using impregnated amberlite XAD-7 resin loaded with LIX-54. Journal of Environmental Chemical Engineering, 2013, 1, 252-259.	6.7	19
23	Amidoximation of Cyano Group for Chelating Ion Exchange of Some Heavy Metal Ions from Wastewater. Separation Science and Technology, 2013, 48, 1830-1840.	2.5	19
24	Biosorption of strontium ions from aqueous solution using modified eggshell materials. Radiochimica Acta, 2017, 105, 1021-1031.	1.2	17
25	Utilization of Modified Attapulgite for the Removal of Sr(II), Co(II), and Ni(II) Ions from Multicomponent System, Part I: Kinetic Studies. Environmental Science and Pollution Research, 2020, 27, 6824-6836.	5.3	14
26	Performance Evaluation of Fixed Bed Column Packed with Ionic Liquid Impregnated Silica for Separation of Gadolinium and Neodymium from Aqueous Solutions. Chromatographia, 2021, 84, 335-345.	1.3	6
27	Utilization of synthetic nano-cryptomelane for enhanced scavenging of cesium and cobalt ions from single and binary solutions. Journal of Radioanalytical and Nuclear Chemistry, 2022, 331, 1821-1838.	1.5	6
28	Surface modification of ball clay minerals with gamma irradiation polymerization for removal of cerium and gadolinium ions from aqueous phase. Hydrometallurgy, 2022, 208, 105816.	4.3	5
29	Life Cycle of Ion Exchangers in Nuclear Industry: Application and Management of Spent Exchangers. , 2019, , 3709-3732.		4
30	Encapsulation of nano-sized iron(III)â€“titanium(IV) mixed oxide for the removal of Co(II), Cd(II) and Ni(II) ions using continuous-flow column: multicomponent solution. Separation Science and Technology, 2020, 55, 1932-1946.	2.5	4
31	Life Cycle of Ion Exchangers in Nuclear Industry: Application and Management of Spent Exchangers. , 2018, , 1-25.		2
32	Ni-alginate hydrogel beads for establishing breakthrough curves of lead ions removal from aqueous solutions. Environmental Science and Pollution Research, 2022, 29, 80716-80726.	5.3	2
33	Improving the Performance of Engineering Barriers inÂRadioactive Waste Disposal Facilities:ÂRole of Nano-materials. , 2021, , 1183-1200.		1
34	Application of solid waste as an adsorbent for capture of ¹³⁷Cs, ⁸⁵Sr and ¹³¹I from environmental water. International Journal of Environmental Analytical Chemistry, 0, , 1-12.	3.3	1
35	Performance evaluation of zirconium silicate composite for removal of cadmium and zinc ions. Chemistry and Ecology, 0, , 1-19.	1.6	0