

Yulya A Azarova

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Thiocarbamoyl chitosan: Synthesis, characterization and sorption of Au(III), Pt(IV), and Pd(II). <i>Carbohydrate Polymers</i> , 2011, 85, 854-861.	10.2	55
2	N-(2-(2-pyridyl)ethyl)chitosan: Synthesis, characterization and sorption properties. <i>Carbohydrate Polymers</i> , 2012, 87, 869-875.	10.2	53
3	Polyethyleneimine cryogels for metal ions sorption. <i>Chemical Engineering Journal</i> , 2018, 334, 1392-1398.	12.7	50
4	Application of chitosan and its derivatives for solid-phase extraction of metal and metalloid ions: a mini-review. <i>Cellulose</i> , 2016, 23, 2273-2289.	4.9	42
5	Spark Plasma Sintering of Aluminosilicate Ceramic Matrices for Immobilization of Cesium Radionuclides. <i>Radiochemistry</i> , 2019, 61, 185-191.	0.7	32
6	Application of chitosan and its N-heterocyclic derivatives for preconcentration of noble metal ions and their determination using atomic absorption spectrometry. <i>Carbohydrate Polymers</i> , 2015, 134, 680-686.	10.2	24
7	Spark plasma sintering-reactive synthesis of SrWO ₄ ceramic matrices for ⁹⁰ Sr immobilization. <i>Vacuum</i> , 2020, 180, 109628.	3.5	24
8	Imidazole-containing chitosan derivative: a new synthetic approach and sorption properties. <i>Russian Chemical Bulletin</i> , 2012, 61, 1959-1964.	1.5	23
9	Synthesis and properties of isomeric pyridyl-containing chitosan derivatives. <i>International Journal of Biological Macromolecules</i> , 2013, 62, 426-432.	7.5	22
10	Recovery of Au(III), Pt(IV), and Pd(II) Using Pyridylethyl-Containing Polymers: Chitosan Derivatives vs Synthetic Polymers. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 10377-10385.	3.7	21
11	Investigation of Sr uptake by birnessite-type sorbents from seawater. <i>Journal of Radioanalytical and Nuclear Chemistry</i> , 2018, 317, 243-251.	1.5	21
12	Supermacroporous monoliths based on polyethyleneimine: Fabrication and sorption properties under static and dynamic conditions. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104395.	6.7	17
13	N-2-(2-pyridyl)ethyl chitosan: Synthesis in gel and sorption properties. <i>Russian Journal of Applied Chemistry</i> , 2011, 84, 713-718.	0.5	16
14	Imidazolyl derivative of chitosan with high substitution degree: Synthesis, characterization and sorption properties. <i>Carbohydrate Polymers</i> , 2016, 138, 252-258.	10.2	14
15	Effect of polymer backbone chemical structure on metal ions binding by imidazolymethyl derivatives. <i>Chemical Engineering Journal</i> , 2016, 283, 323-329.	12.7	14
16	Chitosan-ferrocyanide sorbents for concentrating Cs-137 from seawater. <i>Separation Science and Technology</i> , 2017, 52, 1983-1991.	2.5	14
17	Preparation of a sorbent for metal ions based on N-(5-methylimidazol-4-ylmethyl) chitosan with medium degree of substitution. <i>Russian Journal of Applied Chemistry</i> , 2014, 87, 82-87.	0.5	12
18	Kinetics of the sorption of heavy-metal ions by a sorbent obtained from boric acid production waste. <i>Theoretical Foundations of Chemical Engineering</i> , 2016, 50, 841-845.	0.7	11

#	ARTICLE	IF	CITATIONS
19	Extended Rate Constants Distribution (RCD) Model for Sorption in Heterogeneous Systems: 2. Importance of Diffusion Limitations for Sorption Kinetics on Cryogels in Batch. <i>Gels</i> , 2020, 6, 15.	4.5	11
20	Rational Design of Polyamine-Based Cryogels for Metal Ion Sorption. <i>Molecules</i> , 2020, 25, 4801.	3.8	9
21	Chemical modification of polyvinyl chloride with thiourea. <i>Russian Chemical Bulletin</i> , 2019, 68, 1248-1251.	1.5	7
22	Extended Rate Constant Distribution Model for Sorption in Heterogeneous Systems. 1: Application to Kinetics of Metal Ion Sorption on Polyethyleneimine Cryogels. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 1123-1134.	3.7	6
23	Sorption of ¹³⁷ Cs from seawater onto resorcinol-formaldehyde resin. <i>Radiochemistry</i> , 2017, 59, 160-165.	0.7	5
24	Sr ²⁺ sorption by synthetic and technogenic silicate materials. <i>Inorganic Materials</i> , 2014, 50, 599-605.	0.8	4
25	Synthesis and sorption properties of porous resorcinol-formaldehyde resins prepared by polymerization of the emulsion dispersion phase. <i>Journal of Materials Science</i> , 2019, 54, 14330-14342.	3.7	4
26	Effect of regioselectivity of chitosan carboxyalkylation and type of cross-linking on the metal-chelate sorption properties toward ciprofloxacin. <i>Reactive and Functional Polymers</i> , 2020, 150, 104536.	4.1	4
27	Composite Zn(II) Ferrocyanide/Polyethylenimine Cryogels for Point-of-Use Selective Removal of Cs-137 Radionuclides. <i>Molecules</i> , 2021, 26, 4604.	3.8	4
28	Thiocarbamoyl derivatives of polyallylamine for gold and silver recovery from ammonia-thiosulfate leachates. <i>Non-ferrous Metals</i> , 2018, , 12-17.	0.2	4
29	Synthesis of Nanostructured Sodium Aluminosilicate from Rice Straw and Its Sorption Properties. <i>Inorganic Materials</i> , 2019, 55, 308-314.	0.8	3
30	Extended Rate Constant Distribution Model for Sorption in Heterogeneous Systems: 3. From Batch to Fixed-Bed Application and Predictive Modeling. <i>Industrial & Engineering Chemistry Research</i> , 2020, 59, 19415-19425.	3.7	3
31	Dataset on pore water composition and grain size properties of bottom sediments and subsea permafrost from the Buor-Khaya Bay (Laptev Sea). <i>Data in Brief</i> , 2021, 39, 107580.	1.0	3
32	Study of the Composition, Structure, and Sorption Properties of Nanostructured Aluminosilicates. <i>Theoretical Foundations of Chemical Engineering</i> , 2018, 52, 581-586.	0.7	2
33	Peculiarities of Pore Water Ionic Composition in the Bottom Sediments and Subsea Permafrost: A Case Study in the Buor-Khaya Bay. <i>Geosciences (Switzerland)</i> , 2022, 12, 49.	2.2	2
34	Manganese Oxide-Based Sorbent for Sr-90 Radionuclide Removal from Seawater. <i>IOP Conference Series: Materials Science and Engineering</i> , 2018, 307, 012030.	0.6	1