Dorota KoÅ‚odyÅ„ska

List of Publications by Year
in descending order

135 papers	4,030 citations	159358 30 h-index	138251 58 g-index
138 all docs	138 docs citations	138 times ranked	4836 citing authors

#	Article	IF	Citations
1	Kinetic and adsorptive characterization of biochar in metal ions removal. Chemical Engineering Journal, 2012, 197, 295-305.	6.6	535
2	Comparison of sorption and desorption studies of heavy metal ions from biochar and commercial active carbon. Chemical Engineering Journal, 2017, 307, 353-363.	6.6	402
3	Equilibrium, thermodynamic and kinetic studies on removal of chromium, copper, zinc and arsenic from aqueous solutions onto fly ash coated by chitosan. Chemical Engineering Journal, 2015, 274, 200-212.	6.6	192
4	Synthesis and adsorption properties of chitosan-silica nanocomposite prepared by sol-gel method. Nanoscale Research Letters, 2015, 10, 87.	3.1	143
5	Preparation and characterization of novel TiO2/lignin and TiO2-SiO2/lignin hybrids and their use as functional biosorbents for Pb(II). Chemical Engineering Journal, 2017, 314, 169-181.	6.6	102
6	Application of Mineral Sorbents for Removal of Petroleum Substances: A Review. Minerals (Basel,) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50	0.8	95
7	Malic acid-enhanced chitosan hydrogel beads (mCHBs) for the removal of Cr(VI) and Cu(II) from aqueous solution. Chemical Engineering Journal, 2018, 353, 225-236.	6.6	94
8	Chitosan as an effective low-cost sorbent of heavy metal complexes with the polyaspartic acid. Chemical Engineering Journal, 2011, 173, 520-529.	6.6	82
9	Silica with immobilized phosphinic acid-derivative for uranium extraction. Journal of Hazardous Materials, 2016, 314, 326-340.	6.5	79
10	Impacts of heavy metals and medicinal crops on ecological systems, environmental pollution, cultivation, and production processes in China. Ecotoxicology and Environmental Safety, 2021, 219, 112336.	2.9	77
11	Application of a new generation of complexing agents in removal of heavy metal ions from different wastes. Environmental Science and Pollution Research, 2013, 20, 5939-5949.	2.7	71
12	Adsorption of BTX from aqueous solutions by Na-P1 zeolite obtained from fly ash. Chemical Engineering Research and Design, 2017, 109, 214-223.	2.7	71
13	Evaluation of heavy metal ions removal from acidic waste water streams. Chemical Engineering Journal, 2014, 252, 362-373.	6.6	68
14	Development of lignin based multifunctional hybrid materials for Cu(II) and Cd(II) removal from the aqueous system. Chemical Engineering Journal, 2017, 330, 518-530.	6.6	65
15	Selective Removal of Heavy Metal Ions from Waters and Waste Waters Using Ion Exchange Methods. , 0, , .		60
16	Gd-DTPA Adsorption on Chitosan/Magnetite Nanocomposites. Nanoscale Research Letters, 2016, 11, 168.	3.1	59
17	Adsorption characteristics of chitosan modified by chelating agents of a new generation. Chemical Engineering Journal, 2012, 179, 33-43.	6.6	55
18	Cu(II), Zn(II), Co(II) and Pb(II) removal in the presence of the complexing agent of a new generation. Desalination, 2011, 267, 175-183.	4.0	52

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19	The effect of the novel complexing agent in removal of heavy metal ions from waters and waste waters. Chemical Engineering Journal, 2010, 165, 835-845.	6.6	51
20	Uptake of heavy metal ions from aqueous solutions by sorbents obtained from the spent ion exchange resins. Microporous and Mesoporous Materials, 2017, 244, 127-136.	2.2	49
21	Sorption of heavy metal ions from aqueous solutions in the presence of EDTA on monodisperse anion exchangers. Desalination, 2008, 227, 150-166.	4.0	48
22	Zeolite properties improvement by chitosan modificationâ€”Sorption studies. Journal of Industrial and Engineering Chemistry, 2017, 52, 187-196.	2.9	47
23	DOWEX M 4195 and LEWATIT^{Â®}MonoPlus TP 220 in Heavy Metal Ions Removal from Acidic Streams. Separation Science and Technology, 2014, 49, 2003-2015.	1.3	44
24	Development of New Effective Sorbents Based on Nanomagnetite. Nanoscale Research Letters, 2016, 11, 152.	3.1	42
25	Polyaspartic Acid As a New Complexing Agent in Removal of Heavy Metal Ions on Polystyrene Anion Exchangers. Industrial & Engineering Chemistry Research, 2008, 47, 6221-6227.	1.8	33
26	Application of a New-Generation Complexing Agent in Removal of Heavy Metal Ions from Aqueous Solutions. Industrial & Engineering Chemistry Research, 2008, 47, 3192-3199.	1.8	33
27	Investigations of Heavy Metal Ion Sorption Using Nanocomposites of Iron-Modified Biochar. Nanoscale Research Letters, 2017, 12, 433.	3.1	33
28	Novel synthesis method combining a foaming agent with freeze-drying to obtain hybrid highly macroporous bone scaffolds. Journal of Materials Science and Technology, 2020, 43, 52-63.	5.6	33
29	Sorption of lanthanide ions on biochar composites. Journal of Rare Earths, 2018, 36, 1212-1220.	2.5	32
30	Novel multifunctional ion exchangers for metal ions removal in the presence of citric acid. Chemosphere, 2020, 251, 126331.	4.2	32
31	Detoxification of municipal solid waste incinerator (MSWI) fly ash by single-mode microwave (MW) irradiation: Addition of urea on the degradation of Dioxin and mechanism. Journal of Hazardous Materials, 2019, 369, 279-289.	6.5	31
32	FT-IR/PAS Studies of Cu(II)-EDTA Complexes Sorption Î¿n the Chelating Ion Exchangers. Acta Physica Polonica A, 2009, 116, 340-343.	0.2	31
33	Metal Ions Removal Using Nano Oxide Pyroloxâ„¢ Material. Nanoscale Research Letters, 2017, 12, 95.	3.1	30
34	Preparation and properties of organomineral adsorbent obtained by solâ€"gel technology. Journal of Thermal Analysis and Calorimetry, 2016, 125, 1335-1351.	2.0	29
35	Titania-Coated Silica Alone and Modified by Sodium Alginate as Sorbents for Heavy Metal Ions. Nanoscale Research Letters, 2018, 13, 96.	3.1	29
36	Static and dynamic studies of lanthanum(III) ion adsorption/desorption from acidic solutions using chelating ion exchangers with different functionalities. Environmental Research, 2020, 191, 110171.	3.7	29

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37	Gd(III) Adsorption on the DTPA-functionalized chitosan/magnetite nanocomposites. Separation Science and Technology, 2018, 53, 1006-1016.	1.3	28
38	Iminodisuccinic acid as a new complexing agent for removal of heavy metal ions from industrial effluents. Chemical Engineering Journal, 2009, 152, 277-288.	6.6	27
39	Evaluation of possible use of the macroporous ion exchanger in the adsorption process of rare earth elements and heavy metal ions from spent batteries solutions. Chemical Engineering and Processing: Process Intensification, 2020, 147, 107767.	1.8	27
40	Cu(II), Zn(II), Ni(II), and Cd(II) Complexes with HEDP Removal from Industrial Effluents on Different Ion Exchangers. Industrial & Engineering Chemistry Research, 2010, 49, 2388-2400.	1.8	26
41	Zeolites in Phenol Removal in the Presence of Cu(II) Ionsâ€"Comparison of Sorption Properties after Chitosan Modification. Materials, 2020, 13, 643.	1.3	26
42	Polyacrylate anion exchangers in sorption of heavy metal ions with the biodegradable complexing agent. Chemical Engineering Journal, 2009, 150, 280-288.	6.6	25
43	Studies of application of monodisperse anion exchangers in sorption of heavy metal complexes with IDS. Desalination, 2009, 239, 216-228.	4.0	25
44	Adsorption of V(V), Mo(VI) and Cr(VI) Oxoanions by Chitosanâ€"Silica Composite Synthesized by Mannich Reaction. Adsorption Science and Technology, 2015, 33, 645-657.	1.5	25
45	Hypertensive Rats Treated Chronically With NÏ‰-Nitro-L-Arginine Methyl Ester (L-NAME) Induced Disorder of Hepatic Fatty Acid Metabolism and Intestinal Pathophysiology. Frontiers in Pharmacology, 2019, 10, 1677.	1.6	25
46	Polyacrylate anion exchangers in sorption of heavy metal ions with non-biodegradable complexing agents. Chemical Engineering Journal, 2009, 150, 308-315.	6.6	24
47	Modified fly ash and zeolites as an effective adsorbent for metal ions from aqueous solution. Adsorption Science and Technology, 2017, 35, 519-533.	1.5	24
48	Recovery of metals from waste nickel-metal hydride batteries using multifunctional Diphonix resin. Adsorption, 2019, 25, 367-382.	1.4	24
49	Effect of adsorption of Pb(II) and Cd(II) ions in the presence of EDTA on the characteristics of electrical double layers at the ion exchanger/NaCl electrolyte solution interface. Journal of Colloid and Interface Science, 2009, 333, 448-456.	5.0	22
50	Heavy Metal Ions Removal in the Presence of 1-Hydroxyethane-1,1-diphosphonic Acid From Aqueous Solutions on Polystyrene Anion Exchangers. Industrial & Engineering Chemistry Research, 2009, 48, 10584-10593.	1.8	22
51	Use of three types of magnetic biochar in the removal of copper(II) ions from wastewaters. Separation Science and Technology, 2018, 53, 1045-1057.	1.3	22
52	Applicability of new sustainable and efficient alginate-based composites for critical raw materials recovery: General composites fabrication optimization and adsorption performance evaluation. Chemical Engineering Journal, 2022, 446, 137245.	6.6	22
53	Application of strongly basic anion exchangers for removal of heavy metal ions in the presence of green chelating agent. Chemical Engineering Journal, 2011, 168, 994-1007.	6.6	21
54	A new type of cationâ€exchange polymeric microspheres with pendant methylenethiol groups. Polymers for Advanced Technologies, 2013, 24, 866-872.	1.6	21

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55	Evaluation of iron-based hybrid materials for heavy metal ions removal. Journal of Materials Science, 2014, 49, 2483-2495.	1.7	21
56	Adsorption of vanadium (V) ions from the aqueous solutions on different biomass-derived biochars. Journal of Environmental Management, 2022, 313, 114958.	3.8	19
57	Green complexing agent â€" EDDS in removal of heavy metal ions on strongly basic anion exchangers. Desalination, 2011, 280, 44-57.	4.0	18
58	Modern hybrid sorbents â€" New ways of heavy metal removal from waters. Chemical Engineering and Processing: Process Intensification, 2013, 70, 55-65.	1.8	18
59	Application of ion exchangers for the purification of galvanic wastewater from heavy metals. Separation Science and Technology, 2018, 53, 1097-1106.	1.3	18
60	Sorption of Zn(II) and Pb(II) ions in the presence of the biodegradable complexing agent of a new generation. Chemical Engineering Research and Design, 2012, 90, 1671-1679.	2.7	17
61	Studies on separation of iminodiacetate complexes of lanthanum (III) from neodymium (III) and praseodymium (III) on anion-exchangers. Hydrometallurgy, 1998, 50, 51-60.	1.8	16
62	The influence of a washing pretreatment containing phosphate anions on single-mode microwave-based detoxification of fly ash from municipal solid waste incinerators. Chemical Engineering Journal, 2020, 387, 124053.	6.6	16
63	Green citric acid in the sorption process of rare earth elements. Chemical Engineering Journal, 2022, 437, 135366.	6.6	16
64	Studies on application of polyacrylate anion-exchangers in sorption and separation of iminodiacetate rare earth element(III) complexes. Hydrometallurgy, 2001, 62, 107-113.	1.8	15
65	Diphonix ResinÂ® in sorption of heavy metal ions in the presence of the biodegradable complexing agents of a new generation. Chemical Engineering Journal, 2010, 159, 27-36.	6.6	15
66	Removal of heavy metal ions in the presence of the biodegradable complexing agent of EDDS from waters. Chemical Engineering Journal, 2013, 221, 512-521.	6.6	15
67	Investigation of Sorption and Separation of Lanthanides on the Ion Exchangers of Various Types. , 0, , .		14
68	The effects of the treatment conditions on metal ions removal in the presence of complexing agents of a new generation. Desalination, 2010, 263, 159-169.	4.0	13
69	Methylglycinediacetic Acid as a New Complexing Agent for Removal of Heavy Metal Ions from Industrial Wastewater. Solvent Extraction and Ion Exchange, 2012, 30, 181-196.	0.8	13
70	Effect of accompanying ions and ethylenediaminedisuccinic acid on heavy metals sorption using hybrid materials Lewatit FO 36 and Purolite Arsen Xnp. Chemical Engineering Journal, 2015, 276, 376-387.	6.6	13
71	Recovery of rare earth elements from acidic solutions using macroporous ion exchangers. Separation Science and Technology, 2019, 54, 2059-2076.	1.3	13
72	Nitrilotris(methylenephosphonic) acid as a complexing agent in sorption of heavy metal ions on ion exchangers. Chemical Engineering Journal, 2013, 215-216, 948-958.	6.6	12

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73	Synthesis and characterization of porous microspheres bearing pyrrolidone units. Materials Chemistry and Physics, 2015, 149-150, 43-50.	2.0	12
74	Fabrication, Characterization and Evaluation of an Alginateâ€"Lignin Composite for Rare-Earth Elements Recovery. Materials, 2022, 15, 944.	1.3	12
75	Anion-exchange method for separation of ytterbium from holmium and erbium. Hydrometallurgy, 1997, 47, 127-136.	1.8	11
76	Separation of Y(III) complexes from Dy(III), Ho(III) and Er(III) complexes with iminodiacetic acid on the anion-exchangers type 1 and type 2. Hydrometallurgy, 1999, 53, 89-100.	1.8	11
77	Separation of rare-earth element complexes with trans-1,2-diaminocyclohexane-N,N,Nâ€²,Nâ€²-tetraacetic acid on polyacrylate anion exchangers. Hydrometallurgy, 2004, 71, 343-350.	1.8	11
78	Hydrogels from Fundaments to Application. , 0, , .		11
79	Utilization of Fly Ashes from the Coal Burning Processes to Produce Effective Low-Cost Sorbents. Energy & Fuels, 2017, 31, 2095-2105.	2.5	11
80	Development of ion exchangers for the removal of health-hazardous perchlorate ions from aqueous systems. Applied Geochemistry, 2019, 101, 75-87.	1.4	11
81	New titanium oxide sorbent for As(V) and Cr(VI) removal as well as La(III) and Nd(III) recovery. Journal of Molecular Liquids, 2020, 315, 113720.	2.3	11
82	Synthesis of lignin-containing polymer hydrogels with tunable properties and their application in sorption of nickel(II) ions. Industrial Crops and Products, 2021, 164, 113354.	2.5	11
83	The zeolite modified by chitosan as an adsorbent for environmental applications. Adsorption Science and Technology, 2017, 35, 834-844.	1.5	10
84	Noncytotoxic zinc-doped nanohydroxyapatite-based bone scaffolds with strong bactericidal, bacteriostatic, and antibiofilm activity. , 2022, 139, 213011.		10
85	Comparison of chelating ion exchange resins in sorption of copper(II) and zinc(II) complexes with ethylenediaminetetraacetic acid (EDTA) and nitrilotriacetic acid (NTA). Canadian Journal of Chemistry, 2008, 86, 958-969.	0.6	9
86	Removal of Cd(II) and Pb(II) complexes with glycolic acid from aqueous solutions on different ion exchangers. Canadian Journal of Chemistry, 2010, 88, 540-547.	0.6	9
87	The effect of the presence of metatartaric acid on removal effectiveness of heavy metal ions on chelating ion exchangers. Environmental Technology (United Kingdom), 2011, 32, 805-816.	1.2	9
88	Chemical Composition of Native Oxide Layers on In⁺Implanted and Thermally Annealed GaAs. Acta Physica Polonica A, 2013, 123, 943-947.	0.2	9
89	Ion Exchange Method for Removal and Separation of Noble Metal Ions. , 2015, , .		9
90	Biodegradable chelating agent for heavy metal ions removal. Separation Science and Technology, 2016, 51, 2576-2585.	1.3	9

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91	Enhanced Arsenic(V) Removal on an Iron-Based Sorbent Modified by Lanthanum(III). Materials, 2020, 13, 2553.	1.3	9
92	Development of functional lignin-based spherical particles for the removal of vanadium(V) from an aqueous system. International Journal of Biological Macromolecules, 2021, 186, 181-193.	3.6	9
93	Application of Modern Research Methods for the Physicochemical Characterization of Ion Exchangers. Materials, 2021, 14, 7067.	1.3	9
94	Sorption of Cd(II), Pb(II), Cu(II), and Zn(II) Complexes with Nitrilotris(Methylenephosphonic) Acid on Polystyrene Anion Exchangers. Industrial & Engineering Chemistry Research, 2010, 49, 4700-4709.	1.8	8
95	Rare Earth Elementsâ€"Separation Methods Yesterday and Today. , 2019, , 161-185.		8
96	Investigation into the Use of Macroporous Anion Exchangers for the Sorption and Separation of Iminodiacetate Complexes of Lanthanum(III) and Neodymium(III). Adsorption Science and Technology, 2000, 18, 719-726.	1.5	7
97	Sorption of Cu(II) and Ni(II) ions in the presence of the methylglycinediacetic acid by microporous ion exchangers and sorbents from aqueous solutions. Open Chemistry, 2011, 9, 52-65.	1.0	7
98	Hexacyanoferrate Composite Sorbent in Removal of Anionic Species From Waters and Waste Waters. Separation Science and Technology, 2012, 47, 1361-1368.	1.3	7
99	Recovery of Lanthanum(III) and Nickel(II) Ions from Acidic Solutions by the Highly Effective Ion Exchanger. Molecules, 2020, 25, 3718.	1.7	7
100	Arsenate removal on the iron oxide ion exchanger modified with Neodymium(III) ions. Journal of Environmental Management, 2022, 307, 114551.	3.8	7
101	Sorption of Cd(II), Co(II), and Zn(II) Complexes with MGDA on Anion Exchange Resins: A Study of the Influence of Various Parameters. Separation Science and Technology, 2013, 48, 1801-1809.	1.3	6
102	Purolite S 940 and Purolite S 950 in heavy metal ions removal from acidic streams. Separation Science and Technology, 2016, 51, 2528-2538.	1.3	6
103	Application of monodispersive anion exchangers in sorption and separation of Y3+ from Nd3+ and Sm3+ complexes with dcta. Journal of Rare Earths, 2008, 26, 619-625.	2.5	5
104	The biodegradable complexing agents as an alternative to chelators in sorption of heavy metal ions. Desalination and Water Treatment, 2010, 16, 146-155.	1.0	5
105	Investigations of elemental depth distribution and chemical compositions in the TiO2/SiO2/Si structures after ion irradiation. Surface and Coatings Technology, 2020, 387, 125494.	2.2	5
106	Functionalization of Zeolite NaP1 for Simultaneous Acid Red 18 and Cu(II) Removal. Materials, 2021, 14, 7817.	1.3	5
107	Lanthanum and copper ions recovery from nickel-metal hydride cells leaching solutions by the oxide adsorbent PyroloxÂ®. Journal of Environmental Chemical Engineering, 2019, 7, 103003.	3.3	4
108	Characterization and application of spherical carbonaceous materials prepared with the use of microwave radiation. Diamond and Related Materials, 2020, 108, 107927.	1.8	4

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109	Application of Ion Exchangers with the N-Methyl-D-Glucamine Groups in the V(V) Ions Adsorption Process. Materials, 2022, 15, 1026.	1.3	4
110	Chemical composition of native oxides on noble gases implanted GaAs. Thin Solid Films, 2016, 616, 55-63.	0.8	3
111	Chemical modification of commercial St-DVB microspheres and their application for metal ions removal. Adsorption, 2019, 25, 529-544.	1.4	3
112	Medical Plant Extract Purification from Cadmium(II) Using Modified Thermoplastic Starch and Ion Exchangers. Materials, 2021, 14, 4734.	1.3	3
113	New approach to Cu(II), Zn(II) and Ni(II) ions removal at high NaCl concentration on the modified chelating resin. , 0, 74, 184-196.		3
114	Application of novel complexing agent in sorption of heavy metal ions from wastewaters on ion exchangers of various types. Annales Universitatis Mariae Curie-Sklodowska Sectio AA â€“ Chemia, 2009, 64, .	0.2	2
115	Synthesis, characterization, and application of a new methylenethiol resins for heavy metal ions removal. Separation Science and Technology, 2016, 51, 2501-2510.	1.3	2
116	Dielectric functions, chemical and atomic compositions of the near surface layers of implanted GaAs by In + ions. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2018, 198, 222-231.	2.0	2
117	Studies on the Mechanism of Cu(II) Ion Sorption on Purolite S 940 and Purolite S 950. Materials, 2021, 14, 2915.	1.3	2
118	Zeolite NaP1 Functionalization for the Sorption of Metal Complexes with Biodegradable N-(1,2-dicarboxyethyl)-D,L-aspartic Acid. Materials, 2021, 14, 2518.	1.3	2
119	Separation of Y(dcta)- complexes from Nd(dcta)- and Sm(dcta)- complexes on polyacrylate anion-exchangers (Short communication). Journal of the Serbian Chemical Society, 2003, 68, 183-190.	0.4	2
120	Lanthanides and heavy metals sorption on alginates as effective sorption materials. , 0, 131, 238-251.		2
121	The removal of fluoride from aqueous solutions using biomass ash derived from power industry. , 0, 159, 93-109.		2
122	Sorption of heavy metal metatartrate complexes on polystyrene anion exchangers. Environmental Technology (United Kingdom), 2011, 32, 569-582.	1.2	1
123	Dielectric functions E1 and E1â€¯+â€‰Î” in near region of critical points and chemical composition of near surface layers of ions implanted GaAs. Surface and Coatings Technology, 2018, 355, 200-206.	2.2	1
124	MULTIFUNCTIONAL RESIN DIPHONIX IN ADSORPTION OF HEAVY METAL COMPLEXES WITH METHYLGLYCINEDIACETIC ACID. Environmental Engineering and Management Journal, 2016, 15, 2459-2468.	0.2	1
125	Biochar and their derivatives for removal of various types of impurities from aqueous solutions. , 0, 112, 42-52.		1
126	Superabsorbents and Their Application for Heavy Metal Ion Removal in the Presence of EDDS. Polymers, 2021, 13, 3688.	2.0	1

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127	Variation of TiO2/SiO2 mixed layers induced by Xe+ ion irradiation with energies from 100 to 250Â keV. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2022, 277, 115566.	1.7	1
128	Selected aspect in the separation of inorganic and organic species on ion exchangers and sorbents of various types. Annales Universitatis Mariae Curie-Sklodowska Sectio AA â€“ Chemia, 2011, 66, .	0.2	0
129	Plasticizers for production of thermoplastic starch Plastyfikatory do wytwarzania skrobi termoplastycznej. Przemysl Chemiczny, 2016, 1, 112-119.	0.0	0
130	Removal of N,N-bis(carboxylmetyl)-L-glutamine acid complexes with heavy metals by using the N-methyl-D-glucamine resin Usuwanie kompleksÃ³w jonÃ³w metali ciÄ™Å¼kich z kwasem N,N-bis(karboksylometylo)-L-glutaminowym za pomocÄ… N-metylo-D-glukaminowych Å¼ywic jonowymiennych. Przemysl Chemiczny, 2016, 1, 141-146.	0.0	0
131	Use of chitosan-modified fly ashes and zeolites for removal of heavy metal ions Zastosowanie popioÅ‚Ã³w lotnych i zeolitÃ³w modyfikowanych chitozanem do usuwania jonÃ³w metali ciÄ™Å¼kich. Przemysl Chemiczny, 2017, 1, 128-135.	0.0	0
132	Study on metal ions sorption acrylic acid-based hydrogels Badanie sorpcji jonÃ³w metali na hydroÅ¼elach opartych na kwasie akrylowym. Przemysl Chemiczny, 2017, 1, 156-160.	0.0	0
133	Ammonium sulfate from flue gases desulfurization by the wet ammonia method as the new nitrogen and sulfur source for production of mineral fertilizers Siarczan(VI) amonu z odsiarczania spalin mokrÄ… metodÄ… amoniakalnÄ… jako nowe ÅºrÃ³dÅ‚o azotu i siarki w technologii wytwarzania nawozÃ³w mineralnych. Przemysl Chemiczny, 2017, 1, 190-201.	0.0	0
134	Use of natural sorbents for removal of heavy metal ions Zastosowanie sorbentÃ³w naturalnych w procesie usuwania jonÃ³w metali ciÄ™Å¼kich. Przemysl Chemiczny, 2017, 1, 204-210.	0.0	0
135	Arsenate removal on the ion exchanger modified with cerium(III) ions. Physicochemical Problems of Mineral Processing, 2022, , .	0.2	0