

Zbigniew Hubicki

List of Publications by Year in descending order

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2044
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#	ARTICLE	IF	CITATIONS
1	Fabrication, Characterization and Evaluation of an Alginate-Lignin Composite for Rare-Earth Elements Recovery. <i>Materials</i> , 2022, 15, 944.	2.9	12
2	Strongly Basic Anion Exchange Resin Based on a Cross-Linked Polyacrylate for Simultaneous C.I. Acid Green 16, Zn(II), Cu(II), Ni(II) and Phenol Removal. <i>Molecules</i> , 2022, 27, 2096.	3.8	6
3	Application of Pyrolox sorbent for vanadium(V) ions removal. <i>Physicochemical Problems of Mineral Processing</i> , 2022, , .	0.4	0
4	Removal of Copper(II) in the Presence of Sodium Dodecylbenzene Sulfonate from Acidic Effluents Using Adsorption on Ion Exchangers and Micellar-Enhanced Ultrafiltration Methods. <i>Molecules</i> , 2022, 27, 2430.	3.8	7
5	Pol acrylic and polystyrene functionalized resins for direct dye removal from textile effluents. <i>Separation Science and Technology</i> , 2020, 55, 2122-2136.	2.5	12
6	Static and dynamic studies of lanthanum(III) ion adsorption/desorption from acidic solutions using chelating ion exchangers with different functionalities. <i>Environmental Research</i> , 2020, 191, 110171.	7.5	29
7	Enhanced removal of copper(II) from acidic streams using functional resins: batch and column studies. <i>Journal of Materials Science</i> , 2020, 55, 13687-13715.	3.7	21
8	Recovery of Lanthanum(III) and Nickel(II) Ions from Acidic Solutions by the Highly Effective Ion Exchanger. <i>Molecules</i> , 2020, 25, 3718.	3.8	7
9	Recovery of metals from waste nickel-metal hydride batteries using multifunctional Diphonix resin. <i>Adsorption</i> , 2019, 25, 367-382.	3.0	24
10	Recovery of rare earth elements from acidic solutions using macroporous ion exchangers. <i>Separation Science and Technology</i> , 2019, 54, 2059-2076.	2.5	13
11	Application of titania based adsorbent for removal of acid, reactive and direct dyes from textile effluents. <i>Adsorption</i> , 2019, 25, 621-630.	3.0	22
12	Static sorption of heavy metal ions on ion exchanger in the presence of sodium dodecylbenzenesulfonate. <i>Adsorption</i> , 2019, 25, 393-404.	3.0	12
13	Rare Earth Elements' Separation Methods Yesterday and Today. , 2019, , 161-185.		8
14	Strongly basic anion exchanger Lewatit MonoPlus SR-7 for acid, reactive, and direct dyes removal from wastewaters. <i>Separation Science and Technology</i> , 2018, 53, 1065-1075.	2.5	14
15	Investigations of chromium (VI) ion sorption and reduction on strongly basic anion exchanger. <i>Separation Science and Technology</i> , 2018, 53, 1088-1096.	2.5	5
16	Comparison of ion-exchange resins for efficient cobalt(II) removal from acidic streams. <i>Chemical Engineering Communications</i> , 2018, 205, 1207-1225.	2.6	14
17	Toxic Heavy Metal Ions and Metal-Complex Dyes Removal from Aqueous Solutions Using an Ion Exchanger and Titanium Dioxide. <i>Fibres and Textiles in Eastern Europe</i> , 2018, 26, 108-114.	0.5	7
18	Modified fly ash and zeolites as an effective adsorbent for metal ions from aqueous solution. <i>Adsorption Science and Technology</i> , 2017, 35, 519-533.	3.2	24

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19	Zeolite properties improvement by chitosan modification – Sorption studies. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 52, 187-196.	5.8	47
20	The zeolite modified by chitosan as an adsorbent for environmental applications. <i>Adsorption Science and Technology</i> , 2017, 35, 834-844.	3.2	10
21	Sorption Behavior of Dowex PSR-2 and Dowex PSR-3 Resins of Different Structures for Metal(II) Removal. <i>Solvent Extraction and Ion Exchange</i> , 2016, 34, 375-397.	2.0	11
22	Synthesis, characterization, and application of a new methylenethiol resins for heavy metal ions removal. <i>Separation Science and Technology</i> , 2016, 51, 2501-2510.	2.5	2
23	Development of New Effective Sorbents Based on Nanomagnetite. <i>Nanoscale Research Letters</i> , 2016, 11, 152.	5.7	42
24	Anion Exchange Resins of Tri-n-butyl Ammonium Functional Groups for Dye Baths and Textile Wastewater Treatment. <i>Solvent Extraction and Ion Exchange</i> , 2016, 34, 558-575.	2.0	12
25	Chemical composition of native oxides on noble gases implanted GaAs. <i>Thin Solid Films</i> , 2016, 616, 55-63.	1.8	3
26	Sorption and reduction of chromate(VI) ions on Purolite A 830. <i>Separation Science and Technology</i> , 2016, 51, 2539-2546.	2.5	5
27	Carbon-based adsorber resin Lewatit AF 5 applicability in metal ion recovery. <i>Microporous and Mesoporous Materials</i> , 2016, 224, 400-414.	4.4	21
28	MULTIFUNCTIONAL RESIN DIPHONIX IN ADSORPTION OF HEAVY METAL COMPLEXES WITH METHYLGLYCINEDIACETIC ACID. <i>Environmental Engineering and Management Journal</i> , 2016, 15, 2459-2468.	0.6	1
29	Treatment of wastewaters containing acid, reactive and direct dyes using aminosilane functionalized silica. <i>Open Chemistry</i> , 2015, 13, .	1.9	9
30	Ion Exchange Method for Removal and Separation of Noble Metal Ions. , 2015, , .		9
31	Effect of accompanying ions and ethylenediaminedisuccinic acid on heavy metals sorption using hybrid materials Lewatit FO 36 and Purolite Arsen Xnp. <i>Chemical Engineering Journal</i> , 2015, 276, 376-387.	12.7	13
32	Polyacrylate Ion Exchangers in Sorption of Noble and Base Metal Ions from Single and Tertiary Component Solutions. <i>Solvent Extraction and Ion Exchange</i> , 2014, 32, 189-205.	2.0	12
33	Evaluation of iron-based hybrid materials for heavy metal ions removal. <i>Journal of Materials Science</i> , 2014, 49, 2483-2495.	3.7	21
34	Determination of hafnium at the 10 ⁻⁴ % level (relative to zirconium content) using neutron activation analysis, inductively coupled plasma mass spectrometry and inductively coupled plasma atomic emission spectrometry. <i>Analytica Chimica Acta</i> , 2014, 806, 97-100.	5.4	4
35	Sorption of Cd(II)-MGDA Complexes on Polyacrylate Anion Exchangers. <i>Separation Science and Technology</i> , 2014, 49, 1663-1671.	2.5	2
36	Removal of Cr(VI) and As(V) ions from aqueous solutions by polyacrylate and polystyrene anion exchange resins. <i>Applied Water Science</i> , 2013, 3, 653-664.	5.6	27

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37	Modern hybrid sorbents – New ways of heavy metal removal from waters. <i>Chemical Engineering and Processing: Process Intensification</i> , 2013, 70, 55-65.	3.6	18
38	Comments on the Letter to the Editor written by M. Abdollahi et al. concerning the paper –Recovery of palladium from chloride and chloride–nitrate solutions using ion-exchange resins with S-donor atoms–. <i>Desalination</i> , 2013, 311, 243.	8.2	0
39	Effect of basicity of anion exchangers and number and positions of sulfonic groups of acid dyes on dyes adsorption on macroporous anion exchangers with styrenic polymer matrix. <i>Chemical Engineering Journal</i> , 2013, 215-216, 731-739.	12.7	43
40	Nitrilotris(methylenephosphonic) acid as a complexing agent in sorption of heavy metal ions on ion exchangers. <i>Chemical Engineering Journal</i> , 2013, 215-216, 948-958.	12.7	12
41	Evaluation of polystyrene anion exchange resin for removal of reactive dyes from aqueous solutions. <i>Chemical Engineering Research and Design</i> , 2013, 91, 1343-1351.	5.6	42
42	Removal of heavy metal ions in the presence of the biodegradable complexing agent of EDDS from waters. <i>Chemical Engineering Journal</i> , 2013, 221, 512-521.	12.7	15
43	Sorption of Cd(II), Co(II), and Zn(II) Complexes with MGDA on Anion Exchange Resins: A Study of the Influence of Various Parameters. <i>Separation Science and Technology</i> , 2013, 48, 1801-1809.	2.5	6
44	Application of chelating ion-exchangers Amberlite IRC-718 and Duolite ES-346 in removal of Pt(IV) ions from chloride and chloride-nitrate media. <i>Desalination and Water Treatment</i> , 2012, 45, 229-240.	1.0	1
45	Sorption of Zn(II) and Pb(II) ions in the presence of the biodegradable complexing agent of a new generation. <i>Chemical Engineering Research and Design</i> , 2012, 90, 1671-1679.	5.6	17
46	The Effect of Foreign Ions on Separation of Hafnium from Zirconium on Diphonix® Resin. <i>Separation Science and Technology</i> , 2012, 47, 1341-1344.	2.5	0
47	Methylglycinediacetic Acid as a New Complexing Agent for Removal of Heavy Metal Ions from Industrial Wastewater. <i>Solvent Extraction and Ion Exchange</i> , 2012, 30, 181-196.	2.0	13
48	Applicability of New Acrylic, Weakly Basic Anion Exchanger Purolite A-830 of Very High Capacity in Removal of Palladium(II) Chloro-complexes. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 7223-7230.	3.7	19
49	Hexacyanoferrate Composite Sorbent in Removal of Anionic Species From Waters and Waste Waters. <i>Separation Science and Technology</i> , 2012, 47, 1361-1368.	2.5	7
50	Ion Exchange Recovery of Palladium(II) from Acidic Solutions Using Monodisperse Lewatit SR-7. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 16688-16696.	3.7	19
51	The effect of the presence of metatartaric acid on removal effectiveness of heavy metal ions on chelating ion exchangers. <i>Environmental Technology (United Kingdom)</i> , 2011, 32, 805-816.	2.2	9
52	Efficient removal of Acid Orange 7 dye from water using the strongly basic anion exchange resin Amberlite IRA-958. <i>Desalination</i> , 2011, 278, 219-226.	8.2	85
53	Sorption of Cu(II) and Ni(II) ions in the presence of the methylglycinediacetic acid by microporous ion exchangers and sorbents from aqueous solutions. <i>Open Chemistry</i> , 2011, 9, 52-65.	1.9	7
54	Remazol Black B removal from aqueous solutions and wastewater using weakly basic anion exchange resins. <i>Open Chemistry</i> , 2011, 9, 867-876.	1.9	25

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55	Comparison of the gel anion exchangers for removal of Acid Orange 7 from aqueous solution. <i>Chemical Engineering Journal</i> , 2011, 170, 184-193.	12.7	53
56	Sorption of heavy metal metatartrate complexes on polystyrene anion exchangers. <i>Environmental Technology (United Kingdom)</i> , 2011, 32, 569-582.	2.2	1
57	Equilibrium and kinetic studies on the sorption of acidic dye by macroporous anion exchanger. <i>Chemical Engineering Journal</i> , 2010, 157, 29-34.	12.7	45
58	Effect of matrix and structure types of ion exchangers on palladium(II) sorption from acidic medium. <i>Chemical Engineering Journal</i> , 2010, 160, 660-670.	12.7	35
59	Kinetics, isotherm and thermodynamic studies of Reactive Black 5 removal by acid acrylic resins. <i>Chemical Engineering Journal</i> , 2010, 162, 919-926.	12.7	126
60	Weak Base Anion Exchanger Amberlite FPA51 as Effective Adsorbent for Acid Blue 74 Removal from Aqueous Medium – Kinetic and Equilibrium Studies. <i>Separation Science and Technology</i> , 2010, 45, 1076-1083.	2.5	11
61	Removal of Cd(II) and Pb(II) complexes with glycolic acid from aqueous solutions on different ion exchangers. <i>Canadian Journal of Chemistry</i> , 2010, 88, 540-547.	1.1	9
62	Sorption of Cd(II), Pb(II), Cu(II), and Zn(II) Complexes with Nitrilotris(Methylenephosphonic) Acid on Polystyrene Anion Exchangers. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 4700-4709.	3.7	8
63	Kinetics of adsorption of sulphonated azo dyes on strong basic anion exchangers. <i>Environmental Technology (United Kingdom)</i> , 2009, 30, 1059-1071.	2.2	29
64	Application of weakly and strongly basic anion exchangers for the removal of brilliant yellow from aqueous solutions. <i>Desalination and Water Treatment</i> , 2009, 2, 160-165.	1.0	12
65	Application of commercially available anion exchange resins for preconcentration of palladium(II) complexes from chloride/nitrate solutions. <i>Chemical Engineering Journal</i> , 2009, 150, 96-103.	12.7	10
66	Palladium(II) complexes adsorption from the chloride solutions with macrocomponent addition using strongly basic anion exchange resins, type 1. <i>Hydrometallurgy</i> , 2009, 98, 206-212.	4.3	52
67	Removal of tartrazine from aqueous solutions by strongly basic polystyrene anion exchange resins. <i>Journal of Hazardous Materials</i> , 2009, 164, 502-509.	12.4	150
68	A comparative study of chelating and cationic ion exchange resins for the removal of palladium(II) complexes from acidic chloride media. <i>Journal of Hazardous Materials</i> , 2009, 164, 1414-1419.	12.4	50
69	Sorption of SPADNS azo dye on polystyrene anion exchangers: Equilibrium and kinetic studies. <i>Journal of Hazardous Materials</i> , 2009, 172, 289-297.	12.4	44
70	Equilibrium and kinetic studies on the adsorption of acidic dye by the gel anion exchanger. <i>Journal of Hazardous Materials</i> , 2009, 172, 868-874.	12.4	45
71	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. <i>Journal of Colloid and Interface Science</i> , 2009, 333, 448-456.	9.4	22
72	Kinetic studies of dyes sorption from aqueous solutions onto the strongly basic anion-exchanger Lewatit MonoPlus M-600. <i>Chemical Engineering Journal</i> , 2009, 150, 509-515.	12.7	31

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73	Sorption of palladium(II) complexes onto the styrene-divinylbenzene anion exchange resins. <i>Chemical Engineering Journal</i> , 2009, 152, 72-79.	12.7	37
74	Studies of application of monodisperse anion exchangers in sorption of heavy metal complexes with IDS. <i>Desalination</i> , 2009, 239, 216-228.	8.2	25
75	Application of nitroso-R-salt in modification of strongly basic anion-exchangers Amberlite IRA-402 and Amberlite IRA-958. <i>Desalination</i> , 2009, 249, 1228-1232.	8.2	3
76	Heavy Metal Ions Removal in the Presence of 1-Hydroxyethane-1,1-diphosphonic Acid From Aqueous Solutions on Polystyrene Anion Exchangers. <i>Industrial & Engineering Chemistry Research</i> , 2009, 48, 10584-10593.	3.7	22
77	Sorption of heavy metal ions from aqueous solutions in the presence of EDTA on monodisperse anion exchangers. <i>Desalination</i> , 2008, 227, 150-166.	8.2	48
78	Polyaspartic Acid As a New Complexing Agent in Removal of Heavy Metal Ions on Polystyrene Anion Exchangers. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 6221-6227.	3.7	33
79	Application of a New-Generation Complexing Agent in Removal of Heavy Metal Ions from Aqueous Solutions. <i>Industrial & Engineering Chemistry Research</i> , 2008, 47, 3192-3199.	3.7	33
80	Comparison of chelating ion exchange resins in sorption of copper(II) and zinc(II) complexes with ethylenediaminetetraacetic acid (EDTA) and nitrilotriacetic acid (NTA). <i>Canadian Journal of Chemistry</i> , 2008, 86, 958-969.	1.1	9
81	Application of Amberlite IRA-402 Modified by Means of 2-(2-Sulphophenylazo)-1,8-dihydroxy-3,6-naphthalene Disulphonate for the Recovery of Cu(II), Co(II), Cd(II), Ni(II), Mn(II) and Fe(III) Ions. <i>Adsorption Science and Technology</i> , 2008, 26, 351-361.	3.2	1
82	Recovery of palladium(II) from chloride and chloride-nitrate solutions using ion-exchange resins with S-donor atoms. <i>Desalination</i> , 2007, 207, 80-86.	8.2	42
83	Studies of the Separation of Palladium(II) Microquantities from Macroquantities of Salts of other Elements on Selective Ion Exchangers. <i>Adsorption Science and Technology</i> , 1996, 14, 5-23.	3.2	6
84	Studies on separation of nitrate complexes of yttrium(III) from neodymium(III) on various anion exchangers in the CH ₃ COCH ₃ -H ₂ O-HNO ₃ system. <i>Hydrometallurgy</i> , 1996, 40, 181-188.	4.3	13
85	Studies on the extraction process of nickel(II) sulphate purification using Cyanex 272. <i>Hydrometallurgy</i> , 1996, 40, 65-76.	4.3	39
86	Studies on the separation of silver(I) microquantities from macroquantities of salts of other elements on selective ion-exchangers. <i>Hydrometallurgy</i> , 1996, 41, 287-302.	4.3	8
87	Studies of extractive removal of silver (I) from nitrate solutions by Cyanex 471 X. <i>Hydrometallurgy</i> , 1995, 37, 207-219.	4.3	24
88	Investigations into the separation of nitrate complexes of yttrium (III) from neodymium (III) on anion exchangers of different cross-linking in the system CH ₃ OH-H ₂ O-HNO ₃ . <i>Hydrometallurgy</i> , 1994, 34, 307-318.	4.3	12
89	Studies on selective separation of Sc(III) from rare earth elements on selective ion-exchangers. <i>Hydrometallurgy</i> , 1990, 23, 319-331.	4.3	16
90	Purification of nickel sulfate using chelating ion exchangers and weak-base anion exchangers. <i>Hydrometallurgy</i> , 1986, 16, 361-375.	4.3	9

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91	Selective Removal of Heavy Metal Ions from Waters and Waste Waters Using Ion Exchange Methods. , 0, , .		60
92	Anion Exchange Resins as Effective Sorbents for Removal of Acid, Reactive, and Direct Dyes from Textile Wastewaters. , 0, , .		33
93	Hydrogels from Fundamentals to Application. , 0, , .		11
94	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