Zbigniew Hubicki

List of Publications by Year
in descending order

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94 papers	2,046 citations	257101 24 h-index	301761 39 g-index
94 all docs	94 docs citations	94 times ranked	2044 citing authors

#	Article	IF	Citations
1	Removal of tartrazine from aqueous solutions by strongly basic polystyrene anion exchange resins. Journal of Hazardous Materials, 2009, 164, 502-509.	6.5	150
2	Kinetics, isotherm and thermodynamic studies of Reactive Black 5 removal by acid acrylic resins. Chemical Engineering Journal, 2010, 162, 919-926.	6.6	126
3	Efficient removal of Acid Orange 7 dye from water using the strongly basic anion exchange resin Amberlite IRA-958. Desalination, 2011, 278, 219-226.	4.0	85
4	Selective Removal of Heavy Metal Ions from Waters and Waste Waters Using Ion Exchange Methods. , 0, , .		60
5	Comparison of the gel anion exchangers for removal of Acid Orange 7 from aqueous solution. Chemical Engineering Journal, 2011, 170, 184-193.	6.6	53
6	Palladium(II) complexes adsorption from the chloride solutions with macrocomponent addition using strongly basic anion exchange resins, type 1. Hydrometallurgy, 2009, 98, 206-212.	1.8	52
7	A comparative study of chelating and cationic ion exchange resins for the removal of palladium(II) complexes from acidic chloride media. Journal of Hazardous Materials, 2009, 164, 1414-1419.	6.5	50
8	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
9	Zeolite properties improvement by chitosan modificationâ€"Sorption studies. Journal of Industrial and Engineering Chemistry, 2017, 52, 187-196.	2.9	47
10	Equilibrium and kinetic studies on the adsorption of acidic dye by the gel anion exchanger. Journal of Hazardous Materials, 2009, 172, 868-874.	6.5	45
11	Equilibrium and kinetic studies on the sorption of acidic dye by macroporous anion exchanger. Chemical Engineering Journal, 2010, 157, 29-34.	6.6	45
12	Sorption of SPADNS azo dye on polystyrene anion exchangers: Equilibrium and kinetic studies. Journal of Hazardous Materials, 2009, 172, 289-297.	6.5	44
13	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. Chemical Engineering Journal, 2013, 215-216, 731-739.	6.6	43
14	Recovery of palladium(II) from chloride and chlorideâ€"nitrate solutions using ion-exchange resins with S-donor atoms. Desalination, 2007, 207, 80-86.	4.0	42
15	Evaluation of polystyrene anion exchange resin for removal of reactive dyes from aqueous solutions. Chemical Engineering Research and Design, 2013, 91, 1343-1351.	2.7	42
16	Development of New Effective Sorbents Based on Nanomagnetite. Nanoscale Research Letters, 2016, 11, 152.	3.1	42
17	Studies on the extraction process of nickel(II) sulphate purification using Cyanex 272. Hydrometallurgy, 1996, 40, 65-76.	1.8	39
18	Sorption of palladium(II) complexes onto the styreneâ€"divinylbenzene anion exchange resins. Chemical Engineering Journal, 2009, 152, 72-79.	6.6	37

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19	Effect of matrix and structure types of ion exchangers on palladium(II) sorption from acidic medium. Chemical Engineering Journal, 2010, 160, 660-670.	6.6	35
20	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
21	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
22	Anion Exchange Resins as Effective Sorbents for Removal of Acid, Reactive, and Direct Dyes from Textile Wastewaters. , 0, , .		33
23	Kinetic studies of dyes sorption from aqueous solutions onto the strongly basic anion-exchanger Lewatit MonoPlus M-600. Chemical Engineering Journal, 2009, 150, 509-515.	6.6	31
24	Kinetics of adsorption of sulphonated azo dyes on strong basic anion exchangers. Environmental Technology (United Kingdom), 2009, 30, 1059-1071.	1.2	29
25	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
26	Removal of Cr(VI) and As(V) ions from aqueous solutions by polyacrylate and polystyrene anion exchange resins. Applied Water Science, 2013, 3, 653-664.	2.8	27
27	Studies of application of monodisperse anion exchangers in sorption of heavy metal complexes with IDS. Desalination, 2009, 239, 216-228.	4.0	25
28	Remazol Black B removal from aqueous solutions and wastewater using weakly basic anion exchange resins. Open Chemistry, 2011, 9, 867-876.	1.0	25
29	Studies of extractive removal of silver (I) from nitrate solutions by Cyanex 471 X. Hydrometallurgy, 1995, 37, 207-219.	1.8	24
30	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
31	Recovery of metals from waste nickel-metal hydride batteries using multifunctional Diphonix resin. Adsorption, 2019, 25, 367-382.	1.4	24
32	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
33	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
34	Application of titania based adsorbent for removal of acid, reactive and direct dyes from textile effluents. Adsorption, 2019, 25, 621-630.	1.4	22
35	Evaluation of iron-based hybrid materials for heavy metal ions removal. Journal of Materials Science, 2014, 49, 2483-2495.	1.7	21
36	Carbon-based adsorber resin Lewatit AF 5 applicability in metal ion recovery. Microporous and Mesoporous Materials, 2016, 224, 400-414.	2.2	21

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37	Enhanced removal of copper(II) from acidic streams using functional resins: batch and column studies. Journal of Materials Science, 2020, 55, 13687-13715.	1.7	21
38	Applicability of New Acrylic, Weakly Basic Anion Exchanger Purolite A-830 of Very High Capacity in Removal of Palladium(II) Chloro-complexes. Industrial & Engineering Chemistry Research, 2012, 51, 7223-7230.	1.8	19
39	Ion Exchange Recovery of Palladium(II) from Acidic Solutions Using Monodisperse Lewatit SR-7. Industrial & Engineering Chemistry Research, 2012, 51, 16688-16696.	1.8	19
40	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
41	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
42	Studies on selective separation of Sc(III) from rare earth elements on selective ion-exchangers. Hydrometallurgy, 1990, 23, 319-331.	1.8	16
43	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
44	Strongly basic anion exchanger Lewatit MonoPlus SR-7 for acid, reactive, and direct dyes removal from wastewaters. Separation Science and Technology, 2018, 53, 1065-1075.	1.3	14
45	Comparison of ion-exchange resins for efficient cobalt(II) removal from acidic streams. Chemical Engineering Communications, 2018, 205, 1207-1225.	1.5	14
46	Studies on separation of nitrate complexes of yttrium(III) from neodymium(III) on various anion exchangers in the CH3COCH3î—¸H2Oî—¸HNO3 system. Hydrometallurgy, 1996, 40, 181-188.	1.8	13
47	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
48	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
49	Recovery of rare earth elements from acidic solutions using macroporous ion exchangers. Separation Science and Technology, 2019, 54, 2059-2076.	1.3	13
50	Investigations into the separation of nitrate complexes of yttrium (III) from neodymium (III) on anion exchangers of different cross-linking in the system CH3OH-H2O-HNO3. Hydrometallurgy, 1994, 34, 307-318.	1.8	12
51	Application of weakly and strongly basic anion exchangers for the removal of brilliant yellow from aqueous solutions. Desalination and Water Treatment, 2009, 2, 160-165.	1.0	12
52	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
53	Polyacrylate Ion Exchangers in Sorption of Noble and Base Metal Ions from Single and Tertiary Component Solutions. Solvent Extraction and Ion Exchange, 2014, 32, 189-205.	0.8	12
54	Anion Exchange Resins of Tri-n-butyl Ammonium Functional Groups for Dye Baths and Textile Wastewater Treatment. Solvent Extraction and Ion Exchange, 2016, 34, 558-575.	0.8	12

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55	Static sorption of heavy metal ions on ion exchanger in the presence of sodium dodecylbenzenesulfonate. Adsorption, 2019, 25, 393-404.	1.4	12
56	Polacrylic and polystyrene functionalized resins for direct dye removal from textile effluents. Separation Science and Technology, 2020, 55, 2122-2136.	1.3	12
57	Fabrication, Characterization and Evaluation of an Alginateâ€"Lignin Composite for Rare-Earth Elements Recovery. Materials, 2022, 15, 944.	1.3	12
58	Weak Base Anion Exchanger Amberlite FPA51 as Effective Adsorbent for Acid Blue 74 Removal from Aqueous Medium â€" Kinetic and Equilibrium Studies. Separation Science and Technology, 2010, 45, 1076-1083.	1.3	11
59	Hydrogels from Fundaments to Application. , 0, , .		11
60	Sorption Behavior of Dowex PSR-2 and Dowex PSR-3 Resins of Different Structures for Metal(II) Removal. Solvent Extraction and Ion Exchange, 2016, 34, 375-397.	0.8	11
61	Application of commercially available anion exchange resins for preconcentration of palladium(II) complexes from chlorideâ€"nitrate solutions. Chemical Engineering Journal, 2009, 150, 96-103.	6.6	10
62	The zeolite modified by chitosan as an adsorbent for environmental applications. Adsorption Science and Technology, 2017, 35, 834-844.	1.5	10
63	Purification of nickel sulfate using chelating ion exchangers and weak-base anion exchangers. Hydrometallurgy, 1986, 16, 361-375.	1.8	9
64	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
65	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
66	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
67	Treatment of wastewaters containing acid, reactive and direct dyes using aminosilane functionalized silica. Open Chemistry, 2015, 13, .	1.0	9
68	Ion Exchange Method for Removal and Separation of Noble Metal Ions. , 2015, , .		9
69	Studies on the separation of silver(I) microquantities from macroquantities of salts of other elements on selective ion-exchangers. Hydrometallurgy, 1996, 41, 287-302.	1.8	8
70	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
71	Rare Earth Elementsâ€"Separation Methods Yesterday and Today. , 2019, , 161-185.		8
72	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

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73	Hexacyanoferrate Composite Sorbent in Removal of Anionic Species From Waters and Waste Waters. Separation Science and Technology, 2012, 47, 1361-1368.	1.3	7
74	Recovery of Lanthanum(III) and Nickel(II) Ions from Acidic Solutions by the Highly Effective Ion Exchanger. Molecules, 2020, 25, 3718.	1.7	7
75	Toxic Heavy Metal Ions and Metal-Complex Dyes Removal from Aqueous Solutions Using an Ion Exchanger and Titanium Dioxide. Fibres and Textiles in Eastern Europe, 2018, 26, 108-114.	0.2	7
76	Removal of Copper(II) in the Presence of Sodium Dodecylobenzene Sulfonate from Acidic Effluents Using Adsorption on Ion Exchangers and Micellar-Enhanced Ultrafiltration Methods. Molecules, 2022, 27, 2430.	1.7	7
77	Studies of the Separation of Palladium(II) Microquantities from Macroquantities of Salts of other Elements on Selective Ion Exchangers. Adsorption Science and Technology, 1996, 14, 5-23.	1.5	6
78	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
79	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. Molecules, 2022, 27, 2096.	1.7	6
80	Sorption and reduction of chromate(VI) ions on Purolite A 830. Separation Science and Technology, 2016, 51, 2539-2546.	1.3	5
81	Investigations of chromium (VI) ion sorption and reduction on strongly basic anion exchanger. Separation Science and Technology, 2018, 53, 1088-1096.	1.3	5
82	Determination of hafnium at the 10âˆ’4% level (relative to zirconium content) using neutron activation analysis, inductively coupled plasma mass spectrometry and inductively coupled plasma atomic emission spectrometry. Analytica Chimica Acta, 2014, 806, 97-100.	2.6	4
83	Application of nitroso-R-salt in modification of strongly basic anion-exchangers Amberlite IRA-402 and Amberlite IRA-958. Desalination, 2009, 249, 1228-1232.	4.0	3
84	Chemical composition of native oxides on noble gases implanted GaAs. Thin Solid Films, 2016, 616, 55-63.	0.8	3
85	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
86	Sorption of Cd(II)-MGDA Complexes on Polyacrylate Anion Exchangers. Separation Science and Technology, 2014, 49, 1663-1671.	1.3	2
87	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
88	Application of Amberlite IRA-402 Modified by Means of 2-(<i>p</i>-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. Adsorption Science and Technology, 2008, 26, 351-361.	1.5	1
89	Sorption of heavy metal metatartrate complexes on polystyrene anion exchangers. Environmental Technology (United Kingdom), 2011, 32, 569-582.	1.2	1
90	Application of chelating ion-exchangers Amberlite IRC-718 and Duolite ES-346 in removal of Pt(IV) ions from chloride and chloride-nitrate media. Desalination and Water Treatment, 2012, 45, 229-240.	1.0	1

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91	MULTIFUNCTIONAL RESIN DIPHONIX IN ADSORPTION OF HEAVY METAL COMPLEXES WITH METHYLGLYCINEDIACETIC ACID. Environmental Engineering and Management Journal, 2016, 15, 2459-2468.	0.2	1
92	The Effect of Foreign Ions on Separation of Hafnium from Zirconium on DiphonixÂ® Resin. Separation Science and Technology, 2012, 47, 1341-1344.	1.3	0
93	Comments on the Letter to the Editor written by M. Abdollahi et al. concerning the paper â€œRecovery of palladium from chloride and chlorideâ€"nitrate solutions using ion-exchange resins with S-donor atomsâ€• Desalination, 2013, 311, 243.	4.0	0
94	Application of Pyrolox sorbent for vanadium(V) ions removal. Physicochemical Problems of Mineral Processing, 2022, , .	0.2	0