

# Elzbieta Kociolek-Balawejder

## List of Publications by Citations

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58

papers

605

citations

13

h-index

22

g-index

64

ext. papers

688

ext. citations

4.7

avg, IF

4.36

L-index

#	Paper	IF	Citations
58	Water treatment residuals containing iron and manganese oxides for arsenic removal from water □ Characterization of physicochemical properties and adsorption studies. <i>Chemical Engineering Journal</i> , <b>2016</b> , 294, 210-221	14.7	141
57	Alginate beads containing water treatment residuals for arsenic removal from water-formation and adsorption studies. <i>Environmental Science and Pollution Research</i> , <b>2016</b> , 23, 24527-24539	5.1	41
56	Synthesis and Evaluation of a Novel Hybrid Polymer Containing Manganese and Iron Oxides as a Sorbent for As(III) and As(V) Removal. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2013</b> , 52, 6453-6461	2.9	28
55	Evaluation of hybrid anion exchanger containing cupric oxide for As(III) removal from water. <i>Journal of Hazardous Materials</i> , <b>2019</b> , 370, 117-125	12.8	27
54	Iron and aluminium oxides containing industrial wastes as adsorbents of heavy metals: Application possibilities and limitations. <i>Waste Management and Research</i> , <b>2015</b> , 33, 612-29	4	25
53	Evaluation of hybrid polymer containing iron oxides as As(III) and As(V) sorbent for drinking water purification. <i>Reactive and Functional Polymers</i> , <b>2014</b> , 83, 24-32	4.6	23
52	Synthesis and characterization of CuO-loaded macroreticular anion exchange hybrid polymer. <i>Reactive and Functional Polymers</i> , <b>2016</b> , 100, 107-115	4.6	16
51	Studies on a macromolecular dichloroamine □ the N,N-dichloro poly(styrene-co-divinylbenzene) sulphonamide. <i>Angewandte Makromolekulare Chemie</i> , <b>1989</b> , 169, 119-135		16
50	Synthesis and characterization of hybrid materials containing iron oxide for removal of sulfides from water. <i>Journal of Colloid and Interface Science</i> , <b>2015</b> , 460, 154-63	9.3	15
49	Cu(II)-Fe(III) oxide doped anion exchangers - Multifunctional composites for arsenite removal from water via As(III) adsorption and oxidation. <i>Journal of Hazardous Materials</i> , <b>2020</b> , 394, 122527	12.8	15
48	A macromolecular N-chlorosulfonamide as oxidant for thiocyanates. <i>Reactive and Functional Polymers</i> , <b>1999</b> , 41, 227-233	4.6	14
47	Iron(III) (hydr)oxide loaded anion exchange hybrid polymers obtained via tetrachloroferrate ionic form □ Synthesis optimization and characterization. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 3354-3361	6.8	13
46	A macromolecular N,N-dichlorosulfonamide as oxidant for thiocyanates. <i>European Polymer Journal</i> , <b>2000</b> , 36, 1137-1143	5.2	13
45	CuO-Loaded Macroreticular Anion Exchange Hybrid Polymers Obtained via Tetrachlorocuprate(II) Ionic Form. <i>International Journal of Polymer Science</i> , <b>2017</b> , 2017, 1-6	2.4	11
44	Oxidation and adsorption of arsenic species by means of hybrid polymer containing manganese oxides. <i>Journal of Applied Polymer Science</i> , <b>2014</b> , 131, n/a-n/a	2.9	10
43	A macromolecular N,N-dichlorosulfonamide as oxidant for cyanides. <i>European Polymer Journal</i> , <b>2000</b> , 36, 295-302	5.2	10
42	N-bromo-poly(styrene-co-divinylbenzene) sulphonamide metal salts. Synthesis and basic properties. <i>Angewandte Makromolekulare Chemie</i> , <b>1991</b> , 188, 85-96		10

41	Hybrid polymers containing brochantite/tenorite obtained using gel type anion exchanger. <i>Reactive and Functional Polymers</i> , <b>2018</b> , 124, 12-19	4.6	9
40	A redox copolymer having N-chlorosulfonamide groups for cyanide ion decomposition in dilute aqueous solutions. <i>Reactive and Functional Polymers</i> , <b>1997</b> , 33, 159-165	4.6	9
39	A copolymer with N-chlorosulfonamide pendant groups as oxidant for residual sulfides. <i>Reactive and Functional Polymers</i> , <b>2002</b> , 52, 89-97	4.6	9
38	Removal of sulfides from water using a hybrid ion exchanger containing manganese(IV) oxide. <i>Separation and Purification Technology</i> , <b>2020</b> , 231, 115882	8.3	9
37	CuO and Cu <sub>2</sub> (OH) <sub>3</sub> Cl loaded gel-type anion exchange hybrid polymers obtained via tetrachlorocuprate ionic form. <i>Journal of Environmental Chemical Engineering</i> , <b>2017</b> , 5, 5668-5676	6.8	8
36	Oxidation of As(III) in aqueous solutions by means of macroporous redox copolymers with N-chlorosulfonamide pendant groups. <i>Journal of Hazardous Materials</i> , <b>2011</b> , 189, 794-800	12.8	8
35	Macromolecular N-Chlorosulfonamide as an Oxidant for Residual Nitrites in Aqueous Media. <i>Industrial &amp; Engineering Chemistry Research</i> , <b>2005</b> , 44, 8530-8534	3.9	8
34	Potentiometric studies of oxidation-reduction reactions with redox copolymers. <i>Journal of Applied Polymer Science</i> , <b>2008</b> , 107, 2190-2195	2.9	7
33	A macromolecular N,N-dichlorosulfonamide as oxidant for residual sulfides. <i>European Polymer Journal</i> , <b>2002</b> , 38, 953-959	5.2	7
32	Evaluation of ferromagnetic hybrid polymers obtained using cation exchangers. <i>Materials Chemistry and Physics</i> , <b>2015</b> , 161, 107-115	4.4	6
31	Using macroporous N-chlorosulfonamide S/DVB copolymer as an aid to iron removal from water. <i>Pure and Applied Chemistry</i> , <b>2007</b> , 79, 1491-1503	2.1	6
30	Freeze-drying as the post-processing technique improving adsorptive properties of waste Fe/Mn oxides entrapped in polymer beads towards As(III) and As(V). <i>Separation Science and Technology</i> , <b>2020</b> , 55, 487-500	2.5	6
29	Freeze dried and thermally dried anion exchanger doped with iron(III) (hydr)oxide □ Thermogravimetric studies. <i>Thermochimica Acta</i> , <b>2019</b> , 680, 178359	2.9	5
28	Cu <sub>2</sub> O doped gel-type anion exchanger obtained by reduction of brochantite deposit and its antimicrobial activity. <i>Reactive and Functional Polymers</i> , <b>2019</b> , 141, 42-49	4.6	5
27	Synthesis and characterization of polymer-based hybrid materials via oxidation of Mn(II) using N-chlorosulphonamide polymers. <i>Materials Chemistry and Physics</i> , <b>2012</b> , 132, 870-879	4.4	5
26	A Crosslinked Copolymer with N-Bromosulfonamide Pendant Groups as Oxidant for Residual Sulfides in Alkaline Media. <i>Macromolecular Materials and Engineering</i> , <b>2002</b> , 287, 604-610	3.9	5
25	Synthesis of polymer-based hybrid materials via Mn(II) oxidation with N-bromosulphonamide polymer and their characterization. <i>Journal of Materials Science</i> , <b>2015</b> , 50, 4300-4311	4.3	4
24	Deposition of spherical and bracelet-like Cu <sub>2</sub> O nanoparticles within the matrix of anion exchangers via reduction of tetrachlorocuprate anions. <i>Journal of Environmental Chemical Engineering</i> , <b>2020</b> , 8, 103722	6.8	4

23	Hybrid ion exchangers containing Fe(III)-Cu(II) binary oxides obtained using macroreticular anion exchanger. <i>Reactive and Functional Polymers</i> , <b>2018</b> , 127, 129-138	4.6	4
22	A macromolecular oxidant, the N,N-dichlorosulfonamide for removal of residual nitrites from aqueous media. <i>Reactive and Functional Polymers</i> , <b>2006</b> , 66, 609-617	4.6	4
21	A redox copolymer containing active bromine as oxidant for thiocyanates. <i>Angewandte Makromolekulare Chemie</i> , <b>1999</b> , 268, 46-51		4
20	Thermal analysis of macromolecular Baloamines <i>Journal of Thermal Analysis</i> , <b>1988</b> , 33, 1109-1117		4
19	Investigations on the styrene - divinylbenzene methylenethiol ion exchangers. <i>Polimery</i> , <b>1985</b> , 30, 439-445	3.4	4
18	Hybrid polymer containing ferric oxides obtained using a redox polymer. Part I. Synthesis and characterization. <i>Polimery</i> , <b>2014</b> , 59, 131-135	3.4	4
17	Cuprite-doped macroreticular anion exchanger obtained by reduction of the Cu(OH) <sub>2</sub> deposit. <i>Journal of Environmental Chemical Engineering</i> , <b>2019</b> , 7, 103198	6.8	3
16	Antimicrobial activity of anion exchangers containing cupric compounds against <i>Enterococcus faecalis</i> . <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , <b>2019</b> , 576, 103-109	5.1	3
15	Oxidation of arsenite in aqueous solutions by redox copolymer with N-bromosulfonamide functional groups. <i>Reactive and Functional Polymers</i> , <b>2013</b> , 73, 108-113	4.6	3
14	Redox copolymer with N-bromosulfonamide groups for the decomposition of cyanide ions in dilute aqueous solutions. <i>Angewandte Makromolekulare Chemie</i> , <b>1997</b> , 251, 117-130		3
13	Infrared spectra of uniformly chlorosulfonyl-substituted styrene-divinylbenzene resins. <i>Reactive Polymers, Ion Exchangers, Sorbents</i> , <b>1987</b> , 7, 57-62		3
12	Size-Controlled Transformation of CuO into Zero Valent Copper within the Matrix of Anion Exchangers via Green Chemical Reduction. <i>Polymers</i> , <b>2020</b> , 12,	4.5	3
11	Synthesis and main properties of uniformly chlorosulfonyl-substituted styrene-divinylbenzene resins. <i>Reactive Polymers, Ion Exchangers, Sorbents</i> , <b>1986</b> , 4, 311-316		2
10	Poly(styrene-divinylbenzene) copolymers with N-chlorosulfonamide functional groups as oxidants for arsenite ions in aqueous media [redox studies. <i>Polimery</i> , <b>2012</b> , 57, 101-105	3.4	2
9	Adsorptive-Oxidative Removal of Sulfides from Water by MnO-Loaded Carboxylic Cation Exchangers. <i>Materials</i> , <b>2020</b> , 13,	3.5	2
8	Effect of the kind of cupric compound deposit on thermal decomposition of anion exchangers. <i>Thermochimica Acta</i> , <b>2021</b> , 695, 178812	2.9	2
7	A macromolecular N-bromosulphonamide as a heterogeneous oxidant in acidic media. <i>Polymer Bulletin</i> , <b>2016</b> , 73, 1909-1920	2.4	1
6	Redox polymer with N,N-dichlorosulfonamide functional groups as arsenite oxidant in aqueous solutions. <i>Journal of Applied Polymer Science</i> , <b>2015</b> , 132, n/a-n/a	2.9	1

5	Synthesis and basic characterization of a macromolecular dibromoamine: N,N-dibromo-poly(styrene-co-divinylbenzene)sulfonamide. <i>Polymer</i> , <b>1993</b> , 34, 2883-2888	3.9	1
4	Anomalous effect of Cu <sub>2</sub> O and CuO deposit on the porosity of a macroreticular anion exchanger. <i>Journal of Nanoparticle Research</i> , <b>2021</b> , 23, 1	2.3	1
3	Weakly Hydrated Anion Exchangers Doped with CuO and Cu Particles-Thermogravimetric Studies. <i>Materials</i> , <b>2021</b> , 14,	3.5	1
2	Photocatalytically-assisted oxidative adsorption of As(III) using sustainable multifunctional composite material - CuO doped anion exchanger.. <i>Journal of Hazardous Materials</i> , <b>2022</b> , 431, 128529	12.8	1
1	Main characteristic of N-bromo poly(styrene-co-divinylbenzene) sulphonamide acid: a cation exchanger and redox polymer. <i>Polymer Bulletin</i> , <b>2017</b> , 74, 1849-1861	2.4	