

Katarzyna Staszak

List of Publications by Year in descending order

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61
papers

1,005
citations

430442

18
h-index

454577

30
g-index

61
all docs

61
docs citations

61
times ranked

1157
citing authors

#	ARTICLE	IF	CITATIONS
1	Lanthanides complexes – Chiral sensing of biomolecules. <i>Coordination Chemistry Reviews</i> , 2019, 397, 76-90.	9.5	117
2	Surface functionalization – The way for advanced applications of smart materials. <i>Coordination Chemistry Reviews</i> , 2021, 436, 213846.	9.5	110
3	Effect of Sodium Chloride on the Surface and Wetting Properties of Aqueous Solutions of Cocamidopropyl Betaine. <i>Journal of Surfactants and Detergents</i> , 2015, 18, 321-328.	1.0	65
4	Study of surface properties of aqueous solutions of sodium dodecyl sulfate in the presence of hydrochloric acid and heavy metal ions. <i>Journal of Molecular Liquids</i> , 2020, 299, 112170.	2.3	52
5	Milestones and current achievements in development of multifunctional bioscaffolds for medical application. <i>Bioactive Materials</i> , 2021, 6, 2412-2438.	8.6	52
6	Machine learning in drug design: Use of artificial intelligence to explore the chemical structure–biological activity relationship. <i>Wiley Interdisciplinary Reviews: Computational Molecular Science</i> , 2022, 12, e1568.	6.2	38
7	Adsorption at the liquid/liquid interface in mixed systems with hydrophobic extractants and modifiers 1. Study of equilibrium interfacial tension at the hydrocarbon/water interface in binary mixed systems. <i>Journal of Colloid and Interface Science</i> , 2005, 285, 1-8.	5.0	29
8	Application of nanofiltration in the process of the separation of model fermentation broths components. <i>Polish Journal of Chemical Technology</i> , 2013, 15, 1-4.	0.3	29
9	Nanofiltration, bipolar electrodialysis and reactive extraction hybrid system for separation of fumaric acid from fermentation broth. <i>Bioresource Technology</i> , 2014, 167, 219-225.	4.8	29
10	Copper(II) sulphate solutions treatment by solvent extraction with Na-Cyanex 272. <i>Separation and Purification Technology</i> , 2012, 85, 183-192.	3.9	28
11	Lanthanides and tissue engineering strategies for bone regeneration. <i>Coordination Chemistry Reviews</i> , 2019, 388, 248-267.	9.5	28
12	Interfacial Activity of Trioctylamine in Hydrocarbon/Water Systems with Nonorganic Electrolytes. <i>Journal of Colloid and Interface Science</i> , 2001, 233, 211-218.	5.0	26
13	Surface and Antimicrobial Activity of Sulfobetaines. <i>Journal of Surfactants and Detergents</i> , 2016, 19, 813-822.	1.0	23
14	Investigation of the interaction in binary mixed extraction systems by Fourier Transform Infrared Spectroscopy (FT-IR). <i>Hydrometallurgy</i> , 2008, 90, 75-84.	1.8	22
15	Synthesis, Surface and Antimicrobial Activity of Piperidine-Based Sulfobetaines. <i>Journal of Surfactants and Detergents</i> , 2017, 20, 151-158.	1.0	21
16	Removal of Cadmium(II) Ions from Chloride Solutions by Cyanex 301 and Cyanex 302. <i>Separation Science and Technology</i> , 2011, 46, 1495-1502.	1.3	20
17	Synthesis and Interfacial Activity of Novel Heterogemini Sulfobetaines in Aqueous Solution. <i>Journal of Surfactants and Detergents</i> , 2015, 18, 477-486.	1.0	20
18	Recovery of zinc(II) from chloride solutions using pseudo-emulsion based hollow fiber strip dispersion (PEHFS) with 1-(3-pyridyl)undecan-1-one oxime or tributylphosphate. <i>Separation and Purification Technology</i> , 2015, 154, 204-210.	3.9	20

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19	Artificial metalloenzymes as catalysts in non-natural compounds synthesis. <i>Coordination Chemistry Reviews</i> , 2017, 351, 160-171.	9.5	20
20	Facile Synthesis of Sulfobetaine-Stabilized Cu ₂ O Nanoparticles and Their Biomedical Potential. <i>ACS Biomaterials Science and Engineering</i> , 2017, 3, 3183-3194.	2.6	19
21	Hydrometallurgical Recovery of Cobalt(II) from Spent Industrial Catalysts. <i>Catalysts</i> , 2020, 10, 61.	1.6	19
22	Estimation of Trioctylphosphine Oxide (TOPO) Diffusion Coefficients by Dynamic Adsorption Measurements in Model Extraction Systems. <i>Journal of Colloid and Interface Science</i> , 2002, 248, 143-148.	5.0	16
23	Interfacial activity of copper(II) complexes with chelating ligands and individual hydrophobic extractants in model extraction systems. <i>Journal of Colloid and Interface Science</i> , 2004, 280, 184-191.	5.0	16
24	Adsorption at the liquid/liquid interface in mixed systems with hydrophobic extractants and modifiers. <i>Journal of Colloid and Interface Science</i> , 2006, 294, 411-417.	5.0	15
25	Removal of cobalt(II) and zinc(II) from sulphate solutions by means of extraction with sodium bis(2,4,4-trimethylpentyl)phosphinate (Na-Cyanex 272). <i>Clean Technologies and Environmental Policy</i> , 2016, 18, 1961-1970.	2.1	15
26	Micellar Enhanced Ultrafiltration as a Method of Removal of Chromium(III) Ions from Aqueous Solutions. <i>Separation Science and Technology</i> , 2012, 47, 802-810.	1.3	13
27	Recovery of zinc(II) from chloride solutions using pseudo-emulsion based hollow fiber strip dispersion with pyridineketoxime extractants. <i>Separation and Purification Technology</i> , 2017, 177, 152-160.	3.9	13
28	Static sorption of heavy metal ions on ion exchanger in the presence of sodium dodecylbenzenesulfonate. <i>Adsorption</i> , 2019, 25, 393-404.	1.4	12
29	Comparison of polymeric and ceramic membranes performance in the process of micellar enhanced ultrafiltration of cadmium(II) ions from aqueous solutions. <i>Chemical Papers</i> , 2013, 67, .	1.0	11
30	Diffusion dialysis and extraction integrated system for recovery of cobalt(II) from industrial effluent. <i>Journal of Water Process Engineering</i> , 2021, 39, 101754.	2.6	11
31	Synthesis and Interfacial Activity of Novel Sulfobetaines in Aqueous Solutions. <i>Tenside, Surfactants, Detergents</i> , 2013, 50, 45-51.	0.5	10
32	Comprehensive study of stability of copper oxide nanoparticles in complex biological media. <i>Journal of Molecular Liquids</i> , 2020, 319, 114086.	2.3	8
33	Effective Pd(II) carriers for classical extraction and pseudo-emulsion system. <i>Separation and Purification Technology</i> , 2021, 265, 118509.	3.9	8
34	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.	1.7	7
35	Estimation of Diffusion Coefficients Based on Adsorption Measurements in Model Extraction Systems. <i>Chemical Engineering and Technology</i> , 2005, 28, 985-990.	0.9	6
36	Removal of metal ions from aqueous solutions by micellar enhanced ultra-filtration (MEUF). <i>Polish Journal of Chemical Technology</i> , 2010, 12, 62-65.	0.3	6

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37	Removal of fumaric acid from simulated and real fermentation broth. <i>Journal of Chemical Technology and Biotechnology</i> , 2015, 90, 432-440.	1.6	5
38	Polymers in separation processes. <i>ChemistrySelect</i> , 2017, 2, .	0.7	5
39	Synthesis, Surface and Antimicrobial Activity of New Lactose-Based Surfactants. <i>Molecules</i> , 2019, 24, 4010.	1.7	5
40	Reduction-adsorption of chromium(VI) by using IL-imprinted resin -innovative solution for water purification. <i>Journal of Molecular Liquids</i> , 2021, 343, 116977.	2.3	5
41	Metals in Wastes. , 2018, , .		5
42	Equilibrium and rate of iron(III) extraction from chloride solutions by individual hydrophobic extractants and their mixtures. <i>Polish Journal of Chemical Technology</i> , 2011, 13, 1-5.	0.3	4
43	8. Polymers in separation processes. , 2017, , 235-276.		4
44	Effect of N-dodecyl-N-(propylpiperidinium-3-sulfonate) on Usage Properties of Liquid Soaps for Sensitive Skin. <i>Tenside, Surfactants, Detergents</i> , 2018, 55, 439-446.	0.5	4
45	Application of diffusion dialysis for reduction of acidity of real pregnant leach solutions containing Ni and Co ions. <i>Separation Science and Technology</i> , 2020, 55, 2227-2237.	1.3	3
46	Surface activity measurements and quantum molecular modeling “ The way to extraction behavior knowledge?. <i>Journal of Molecular Liquids</i> , 2021, 322, 114513.	2.3	3
47	Modeling of Urea Decomposition in Selective Catalytic Reduction (SCR) for Systems of Diesel Exhaust Gases Aftertreatment by Finite Volume Method. <i>Catalysts</i> , 2020, 10, 749.	1.6	2
48	Membrane applications in the food industry. <i>ChemistrySelect</i> , 2023, 8, 2647-2677.	0.7	2
49	Energy industry. <i>ChemistrySelect</i> , 2018, 3, .	0.7	1
50	Chemical and petrochemical industry. <i>ChemistrySelect</i> , 2018, 3, .	0.7	1
51	8. Microcapsules in extraction technology. , 2020, , 207-232.		1
52	Achievement in active agent structures as a power tools in tumor angiogenesis imaging. <i>Biochimica Et Biophysica Acta: Reviews on Cancer</i> , 2021, 1876, 188560.	3.3	1
53	Membrane processes. <i>Physical Sciences Reviews</i> , 2017, 2, .	0.8	0
54	4. Energy industry. , 2018, , 105-140.		0

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55	6. Chemical and petrochemical industry. , 2018, , 181-220.		0
56	Computational Fluid Dynamics (CFD) Modelling of Porous, Ultrafiltration Membranes. Journal of Membrane and Separation Technology, 0, , .	0.4	0
57	Badanie transportu jonów w metalach w wybranych układach separacyjnych. Przemysł Chemiczny, 2018, 1, 71-75.	0.0	0
58	Quality of hair shampoos differing in the type of basic surfactant. Problemy Jakości, 2019, 1, 23-26.	0.1	0
59	Halogenated hydrocarbons – current trends. ChemistrySelect, 2020, 5, .	0.7	0
60	Analysis and Modeling of the Process of Metal Separation from the Aqueous Phase in a Pseudo-emulsion Based Hollow Fiber Strip Dispersion. , 2020, , 441-451.		0
61	Membrane techniques in the production of beverages. ChemistrySelect, 2022, .	0.7	0