Yeoung-Sang Yun

List of Articles by Year
in descending order

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242 peer-reviewed articles	17,116 peer-reviewed citations	22242 59 peer-reviewed h-index	1222990 2.28 score
253 documents	19530 doc citations	20543 65 h-index	26521 citing authors

#	Article	IF	Citations
1	Thiosulfate-based leaching for eco-friendly urban mining: Recent developments and challenges. Separation and Purification Technology, 2025, 359, 130775.	7.9	6
2	Rapid and efficient recovery of Au(I) from cyanide gold leachate via quaternary ammonium-functionalized chitosan fibers: Insights into synthesis mechanism and adsorption behavior. Separation and Purification Technology, 2025, 362, 131830.	7.9	11
3	Development of an integrated bio-based cyanide production system for recovery of Au from waste printed circuit boards. Separation and Purification Technology, 2025, 363, 132332.	7.9	7
4	Feasibility of gold leaching from waste printed circuit boards with an airlift bioreactor applying the condensed distillers solubles as a microbial nutrient and its recovery by reduction. Journal of Environmental Management, 2025, 382, 125389.	6.3	6
5	Polyethyleneimine-functionalized pectin fibers as effective adsorbents for the removal of mercury ions from aqueous solution: Characterization, performance, and mechanism. Separation and Purification Technology, 2025, 369, 133116.	7.9	17
6	Experimental optimization of aurocyanide adsorption onto biomass activated carbon and re-examination of the adsorption mechanisms. Minerals Engineering, 2025, 227, 109293.	4.2	2
7	Process development and techno-economic feasibility of thiosulfate-based hydrometallurgical recycling for waste printed circuit boards. Journal of Cleaner Production, 2025, 520, 146094.	6.9	7
8	Utilization of industrial by-products as nutrients for gold bioleaching from waste random access memory. Bioresource Technology, 2025, 435, 132938.	6.4	5
9	Amino- and sulfur-containing POSS for highly efficient and selective extraction of platinum group elements from acidic solution. Journal of Cleaner Production, 2024, 434, 139912.	6.9	38
10	Adsorptive removal of micropollutants by natural and faujasite zeolites: Structural effect of micropollutants on adsorption. Ecotoxicology and Environmental Safety, 2024, 270, 115869.	4.4	12
11	Production of xylose polysaccharides using newly isolated Chlamydomonas sp. Xylok with nitrogen depletion. Algal Research, 2024, 77, 103374.	3.3	3
12	Covalent organic frameworks for critical metal recycling from waste. Coordination Chemistry Reviews, 2024, 507, 215699.	19.2	26
13	Optimized design of quaternary amino-functionalized chitosan fibers for ultra-high diclofenac adsorption from wastewater. Chemosphere, 2024, 357, 141970.	5.0	24
14	Chitosan-thioglycolic acid composite cross-linked with glutaraldehyde for selective recovery of Au(III) ions from e-waste leachate via reduction-coupled adsorption and incineration. Chemosphere, 2024, 364, 143282.	5.0	14
15	Ionic liquid-modified chitosan fibers for Au(I) recovery from waste printed circuit boards bioleachate: Preparation, adsorption mechanism, and application. Separation and Purification Technology, 2023, 306, 122533.	7.9	31
16	Development of polyethylenimine-functionalized cellulose fibers for recovery of Au(0) from Au(III)-containing acidic solutions through an adsorption–reduction–detachment–aggregation mechanism. Journal of Cleaner Production, 2023, 389, 136019.	6.9	35
17	Adsorption of ionic and neutral pharmaceuticals and endocrine-disrupting chemicals on activated carbon fiber: batch isotherm and modeling studies. Chemosphere, 2023, 319, 138042.	5.0	5
18	Modeling for the estimating the adsorption property of fruit waste-based biosorbents for the removal of organic micropollutants. Environmental Research, 2023, 225, 115593.	5.7	18

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19	Adsorption of organic micropollutants on yeast: Batch experiment and modeling. Journal of Environmental Management, 2023, 334, 117507.	6.3	4
20	Graphene oxide-based dendritic adsorbent for the excellent capturing of platinum group elements. Journal of Hazardous Materials, 2023, 451, 131206.	7.8	73
21	Polyelectrolyte complex-derived adsorbent capsules capable of selective recovery of precious metal from multiple mixtures. Chemical Engineering Science, 2023, 274, 118688.	3.8	13
22	A critical review on the properties and energy storage applications of graphene oxide/layered double hydroxides and graphene oxide/MXenes. Journal of Power Sources, 2023, 564, 232870.	6.1	70
23	High-capacity/high-rate hybrid column for high-performance ion exchange. Environmental Research, 2023, 228, 115882.	5.7	9
24	Facile and cost-effective fabrication of activated charcoal-carboxymethyl cellulose composite fiber for high-rate water-softening application. Journal of Industrial and Engineering Chemistry, 2023, 126, 360-370.	5.2	10
25	Investigation on the adsorption characteristics of pharmaceuticals and personal care products on polyethylenimine-alginate-activated carbon composite fiber. Desalination, 2023, 561, 116708.	8.2	13
26	Polyethylenimine functionalized sulfur-containing POSS-based dendritic adsorbent for highly efficient and selective capturing of precious metal ions. Desalination, 2023, 566, 116925.	8.2	56
27	Single-step synthesis of prominently selective and easily regenerable POSS functionalized with high loadings of sulfur and carboxylic acids. Journal of Materials Chemistry A, 2023, 11, 23463-23478.	6.7	38
28	Development of quaternized polyethylenimine-cellulose fibers for fast recovery of Au(CN)2- in alkaline wastewater: Kinetics, isotherm, and thermodynamic study. Journal of Hazardous Materials, 2022, 422, 126940.	7.8	33
29	Organic acid-based linear free energy relationship models for green leaching of strategic metals from spent lithium-ion batteries and improvement of leaching performance. Journal of Hazardous Materials, 2022, 423, 127214.	7.8	51
30	Simple, green organic acid-based hydrometallurgy for waste-to-energy storage devices: Recovery of NiMnCoC2O4 as an electrode material for pseudocapacitor from spent LiNiMnCoO2 batteries. Journal of Hazardous Materials, 2022, 424, 127481.	7.8	64
31	Adsorption modeling of microcrystalline cellulose for pharmaceutical-based micropollutants. Journal of Hazardous Materials, 2022, 426, 128087.	7.8	38
32	Facile Processing of Polyelectrolyte Complexes for Immobilization of Heavy Metal Ions in Wastewater. ACS Applied Polymer Materials, 2022, 4, 2346-2354.	3.5	28
33	In silico prediction and analysis of dielectric constant of ionic liquids. Korean Journal of Chemical Engineering, 2022, 39, 1651-1657.	2.2	2
34	Strategies for recovery of copper and gold as single constituents or an alloy: Selective separation and adsorption-coupled incineration of the bulk metal-loaded adsorbents. Resources, Conservation and Recycling, 2022, 181, 106264.	7.5	14
35	Polyethyleneimine functionalized alginate composite fiber for fast recovery of gold from acidic aqueous solutions. Environmental Technology and Innovation, 2022, 28, 102605.	4.7	32
36	Synthesis and environmental applications of graphene oxide/layered double hydroxides and graphene oxide/MXenes: A critical review. Separation and Purification Technology, 2022, 297, 121518.	7.9	50

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37	Feasibility of direct conversion of copper present in waste printed circuit boards to oxidation-resistant materials employing eco-benign iron(III) sulfate and ascorbic acid. Sustainable Materials and Technologies, 2022, 33, e00499.	2.4	4
38	Self-coagulating polyelectrolyte complexes for target-tunable adsorption and separation of metal ions. Journal of Hazardous Materials, 2021, 401, 123352.	7.8	38
39	Prediction of organic pollutant removal using Corynebacterium glutamicum fermentation waste. Environmental Research, 2021, 192, 110271.	5.7	10
40	In-situ microwave-assisted leaching and selective separation of Au(III) from waste printed circuit boards in biphasic aqua regia-ionic liquid systems. Separation and Purification Technology, 2021, 255, 117649.	7.9	28
41	Selection of low-toxic and highly efficient ionic liquids for the separation of palladium and platinum in acidic solution, and prediction of the metal affinity of ionic liquids. Separation and Purification Technology, 2021, 258, 118019.	7.9	11
42	Development of melamine-impregnated alginate capsule for selective recovery of Pd(II) from a binary metal solution. Journal of Cleaner Production, 2021, 288, 125648.	6.9	20
43	Pd(II)-Imprinted Chitosan Adsorbent for Selective Adsorption of Pd(II): Optimizing the Imprinting Process through Box–Behnken Experimental Design. ACS Omega, 2021, 6, 13057-13065.	3.4	27
44	Role of Adsorptive Concentration in Fenton-Like Degradation of Organic Pollutants by Biopolymeric FeOOH/Graphene Oxide Composite Catalyst: Proof of Concept. Advanced Sustainable Systems, 2021, 5, .	3.7	9
45	Predicting adsorption of micropollutants on non-functionalized and functionalized multi-walled carbon nanotubes: Experimental study and LFER modeling. Journal of Hazardous Materials, 2021, 411, 125124.	7.8	18
46	Polyethyleneimine impregnated alginate capsule as a high capacity sorbent for the recovery of monovalent and trivalent gold. Scientific Reports, 2021, 11, .	2.7	44
47	Review of the toxic effects of ionic liquids. Science of the Total Environment, 2021, 786, 147309.	5.6	294
48	Development of prediction models for adsorption properties of chitin and chitosan for micropollutants. Chemical Engineering Journal, 2021, 426, 131341.	8.6	37
49	Development of polyethyleneimine-starch fibers stable over the broad pH range for selective adsorption of gold from actual leachate solutions of waste electrical and electronic equipment. Journal of Cleaner Production, 2021, 328, 129545.	6.9	30
50	Benignly-fabricated crosslinked polyethylenimine/calcium-alginate fibers as high-performance adsorbents for effective recovery of gold. Journal of Cleaner Production, 2020, 252, 119389.	6.9	94
51	Ion-imprinted chitosan fiber for recovery of Pd(II): Obtaining high selectivity through selective adsorption and two-step desorption. Environmental Research, 2020, 182, 108995.	5.7	56
52	Highly efficient and acid-resistant metal-organic frameworks of MIL-101(Cr)-NH2 for Pd(II) and Pt(IV) recovery from acidic solutions: Adsorption experiments, spectroscopic analyses, and theoretical computations. Journal of Hazardous Materials, 2020, 387, 121689.	7.8	110
53	Sequential recovery of gold and copper from bioleached wastewater using ion exchange resins. Environmental Pollution, 2020, 266, 115167.	5.1	90
54	New insight into continuous recirculation-process for treating arsenate using bacterial biosorbent. Bioresource Technology, 2020, 316, 123961.	6.4	14

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55	Ionic liquid-assisted cellulose coating of chitosan hydrogel beads and their application as drug carriers. Scientific Reports, 2020, 10, .	2.7	26
56	Recovery of gold via adsorption-incineration techniques using banana peel and its derivatives: Selectivity and mechanisms. Waste Management, 2020, 113, 225-235.	5.4	42
57	Simultaneous scavenging of persistent pharmaceuticals with different charges by activated carbon fiber from aqueous environments. Chemosphere, 2020, 247, 125909.	5.0	23
58	Adsorptive removal of cationic tricyclic antidepressants using cation-exchange resin. Environmental Science and Pollution Research, 2020, 27, 24760-24771.	2.6	12
59	Application of general toxic effects of ionic liquids to predict toxicities of ionic liquids to Spodoptera frugiperda 9, Eisenia fetida, Caenorhabditis elegans, and Danio rerio. Environmental Pollution, 2019, 255, 113185.	5.1	19
60	Structure-controlled recovery of palladium(II) from acidic aqueous solution using metal-organic frameworks of MOF-802, UiO-66 and MOF-808. Chemical Engineering Journal, 2019, 362, 280-286.	8.6	156
61	Super-Stable, Highly Efficient, and Recyclable Fibrous Metal–Organic Framework Membranes for Precious Metal Recovery from Strong Acidic Solutions. Small, 2019, 15, .	7.3	79
62	Functionalized magnetic biopolymeric graphene oxide with outstanding performance in water purification. NPG Asia Materials, 2019, 11, .	6.0	71
63	High-performance and acid-tolerant polyethylenimine-aminated polyvinyl chloride fibers: fabrication and application for recovery of platinum from acidic wastewaters. Journal of Environmental Chemical Engineering, 2019, 7, 102839.	4.7	38
64	Thiourea-Immobilized Polymer Beads for Sorption of Cr(VI) Ions in Acidic Aqueous Media. Macromolecular Research, 2019, 27, 515-521.	2.5	8
65	Effective Recovery of Pt(IV) from Acidic Solution by a Defective Metal–Organic Frameworks Using Central Composite Design for Synthesis. ACS Sustainable Chemistry and Engineering, 2019, 7, 7510-7518.	5.3	36
66	Removal of anionic arsenate by a PEI-coated bacterial biosorbent prepared from fermentation biowaste. Chemosphere, 2019, 226, 67-74.	5.0	22
67	Characterization of the residual biochemical components of sequentially extracted banana peel biomasses and their environmental remediation applications. Waste Management, 2019, 89, 141-153.	5.4	42
68	QSAR modelling for predicting adsorption of neutral, cationic, and anionic pharmaceuticals and other neutral compounds to microalgae Chlorella vulgaris in aquatic environment. Water Research, 2019, 151, 288-295.	9.9	32
69	Prediction of adsorption properties for ionic and neutral pharmaceuticals and pharmaceutical intermediates on activated charcoal from aqueous solution via LFER model. Chemical Engineering Journal, 2019, 362, 199-206.	8.6	55
70	Recycling waste nutrient solution originating from the plant factory with the cultivation of newly isolated Acutodesmus species. Journal of Biotechnology, 2019, 289, 15-25.	2.8	6
71	Improving the quality of runoff from green roofs through synergistic biosorption and phytoremediation techniques: A review. Sustainable Cities and Society, 2019, 46, 101381.	8.8	53
72	Evaluation of orange peel-derived activated carbons for treatment of dye-contaminated wastewater tailings. Environmental Science and Pollution Research, 2019, 27, 1053-1068.	2.6	70

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73	Estimating environmental fate of tricyclic antidepressants in wastewater treatment plant. Science of the Total Environment, 2018, 634, 52-58.	5.6	32
74	Validation and updating of QSAR models for partitioning coefficients of ionic liquids in octanol-water and development of a new LFER model. Science of the Total Environment, 2018, 633, 920-928.	5.6	17
75	Selective adsorption of Pd(II) over interfering metal ions (Co(II), Ni(II), Pt(IV)) from acidic aqueous phase by metal-organic frameworks. Chemical Engineering Journal, 2018, 345, 337-344.	8.6	112
76	Facile fabrication of polyacrylic acid-polyvinyl chloride composite adsorbents for the treatment of cadmium-contaminated wastewater. Journal of Environmental Chemical Engineering, 2018, 6, 2401-2408.	4.7	27
77	Synthesis of thiourea-immobilized polystyrene nanoparticles and their sorption behavior with respect to silver ions in aqueous phase. Journal of Hazardous Materials, 2018, 344, 398-407.	7.8	37
78	Development of waste biomass based sorbent for removal of cyanotoxin microcystin-LR from aqueous phases. Bioresource Technology, 2018, 247, 690-696.	6.4	31
79	Polyethylenimine-coated biomass-chitosan composite fibers for recovery of ruthenium from industrial effluents: Effects of chitosan molecular weight and drying method. Hydrometallurgy, 2018, 182, 114-120.	4.5	16
80	Experimental and QSAR studies on adsorptive interaction of anionic nonsteroidal anti-inflammatory drugs with activated charcoal. Chemosphere, 2018, 212, 620-628.	5.0	19
81	Potentiometric titration data on the enhancement of sorption capacity of surface-modified biosorbents: functional groups scanning method. Clean Technologies and Environmental Policy, 2018, 20, 2191-2199.	2.5	7
82	Highly Effective Removal of Nonsteroidal Anti-inflammatory Pharmaceuticals from Water by Zr(IV)-Based Metal–Organic Framework: Adsorption Performance and Mechanisms. ACS Applied Materials & Interfaces, 2018, 10, 28076-28085.	5.5	253
83	Adsorptive interaction of cationic pharmaceuticals on activated charcoal: Experimental determination and QSAR modelling. Journal of Hazardous Materials, 2018, 360, 529-535.	7.8	41
84	A phosphorus-enriched biochar fertilizer from bio-fermentation waste: A potential alternative source for phosphorus fertilizers. Journal of Cleaner Production, 2018, 196, 163-171.	6.9	94
85	Adsorptive removal of endocrine-disrupting compounds and a pharmaceutical using activated charcoal from aqueous solution: kinetics, equilibrium, and mechanism studies. Environmental Science and Pollution Research, 2018, 26, 33897-33905.	2.6	44
86	Fabrication of Stable and Regenerable Amine Functionalized Magnetic Nanoparticles as a Potential Material for Pt(IV) Recovery from Acidic Solutions. ACS Applied Materials & Interfaces, 2017, 9, 18650-18659.	5.5	38
87	Quantitative analysis of adsorptive interactions of ionic and neutral pharmaceuticals and other chemicals with the surface of Escherichia coli cells in aquatic environment. Environmental Pollution, 2017, 227, 8-14.	5.1	17
88	Effective adsorption of Pd(ii), Pt(iv) and Au(iii) by Zr(iv)-based metal–organic frameworks from strongly acidic solutions. Journal of Materials Chemistry A, 2017, 5, 13557-13564.	6.7	256
89	Preparation, characterization and lead adsorption study of tripolyphosphate-modified waste Lyocell fibers. Journal of Environmental Chemical Engineering, 2017, 5, 412-421.	4.7	26
90	Valorisation of post-sorption materials: Opportunities, strategies, and challenges. Advances in Colloid and Interface Science, 2017, 242, 35-58.	16.8	116

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91	Development of polyethyleneimine-loaded core-shell chitosan hollow beads and their application for platinum recovery in sequential metal scavenging fill-and-draw process. Journal of Hazardous Materials, 2017, 324, 724-731.	7.8	69
92	Facile room temperature deposition of gold nanoparticle-ionic liquid hybrid film on silica substrate. Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy, 2017, 170, 48-55.	3.6	3
93	The Preparation of Modified Industrial Waste Polyacrylonitrile for the Adsorptive Recovery of Pt(IV) from Acidic Solutions. Materials, 2016, 9, 988.	2.1	12
94	Development of Surface-Modified Polyacrylonitrile Fibers and Their Selective Sorption Behavior of Precious Metals. Applied Sciences (Switzerland), 2016, 6, 378.	1.6	21
95	Poly(styrenesulfonic acid)-impregnated alginate capsule for the selective sorption of Pd(II) from a Pt(IV)-Pd(II) binary solution. Journal of Hazardous Materials, 2016, 318, 79-89.	7.8	45
96	Low-cost renewable adsorbent developed from waste textile fabric and its application to heavy metal adsorption. Journal of the Taiwan Institute of Chemical Engineers, 2016, 63, 250-258.	5.1	50
97	Biosynthesis of Gold Nanoparticles Using Ocimum sanctum Extracts by Solvents with Different Polarity. ACS Sustainable Chemistry and Engineering, 2016, 4, 2651-2659.	5.3	100
98	Reusable polyethylenimine-coated polysulfone/bacterial biomass composite fiber biosorbent for recovery of Pd(II) from acidic solutions. Chemical Engineering Journal, 2016, 302, 545-551.	8.6	53
99	Removal of Cd(II) by poly(styrenesulfonic acid)-impregnated alginate capsule. Journal of the Taiwan Institute of Chemical Engineers, 2016, 61, 188-195.	5.1	21
100	Importance of the coating pH in fabrication of polyethylenimine-coated polysulfone- Escherichia coli composite fiber sorbent. Journal of the Taiwan Institute of Chemical Engineers, 2016, 66, 379-385.	5.1	15
101	Conversion of waste textile cellulose fibers into heavy metal adsorbents. Journal of Industrial and Engineering Chemistry, 2016, 43, 61-68.	5.2	47
102	In-situ generated palladium seeds lead to single-step bioinspired growth of Au Pd bimetallic nanoparticles with catalytic performance. Materials Chemistry and Physics, 2016, 183, 356-365.	3.7	10
103	A strategy for promoting astaxanthin accumulation in Haematococcus pluvialis by 1-aminocyclopropane-1-carboxylic acid application. Journal of Biotechnology, 2016, 236, 120-127.	2.8	46
104	Fabrication of high performance amine-rich magnetic composite fibers for the recovery of precious Pt(iv) from acidic solutions. RSC Advances, 2016, 6, 89089-89097.	4.0	9
105	Comprehensive approach for predicting toxicological effects of ionic liquids on several biological systems using unified descriptors. Scientific Reports, 2016, 6, .	2.7	45
106	Interpretation of toxicological activity of ionic liquids to acetylcholinesterase inhibition via in silico modelling. Chemosphere, 2016, 159, 178-183.	5.0	27
107	Ruthenium recovery from acetic acid industrial effluent using chemically stable and high-performance polyethylenimine-coated polysulfone-Escherichia coli biomass composite fibers. Journal of Hazardous Materials, 2016, 313, 29-36.	7.8	49
108	Preparation of polyaniline-coated polystyrene nanoparticles for the sorption of silver ions. Reactive and Functional Polymers, 2016, 105, 52-59.	3.7	27

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109	Selective recovery of Au(III), Pt(IV), and Pd(II) from aqueous solutions by liquid–liquid extraction using ionic liquid Aliquat-336. Journal of Molecular Liquids, 2016, 216, 18-24.	3.9	164
110	Adsorptive separation of Pb(II) and Cu(II) from aqueous solutions using as-prepared carboxymethylated waste Lyocell fiber. International Journal of Environmental Science and Technology, 2016, 13, 875-886.	2.0	27
111	Three degradation pathways of 1-octyl-3-methylimidazolium cation by activated sludge from wastewater treatment process. Water Research, 2016, 90, 294-300.	9.9	15
112	Valorization of Escherichia coli waste biomass as a biosorbent for removing reactive dyes from aqueous solutions. Desalination and Water Treatment, 2016, 57, 20084-20090.	2.4	19
113	Correlating toxicological effects of ionic liquids on Daphnia magna with in silico calculated linear free energy relationship descriptors. Chemosphere, 2016, 152, 207-213.	5.0	14
114	Spinel ferrite magnetic adsorbents: Alternative future materials for water purification?. Coordination Chemistry Reviews, 2016, 315, 90-111.	19.2	770
115	Adsorptive characteristics of the polyurethane-immobilized Corynebacterium glutamicum biosorbent for removal of Reactive Yellow 2 from aqueous solution. Korean Journal of Chemical Engineering, 2016, 33, 945-951.	2.2	8
116	Aliquat-336-impregnated alginate capsule as a green sorbent for selective recovery of gold from metal mixtures. Chemical Engineering Journal, 2016, 289, 413-422.	8.6	120
117	Modelling for antimicrobial activities of ionic liquids towards Escherichia coli, Staphylococcus aureus and Candida albicans using linear free energy relationship descriptors. Journal of Hazardous Materials, 2016, 311, 168-175.	7.8	39
118	Formation of Crystalline Metal Nanoparticles by Marine Isolates and Their Microbial Consortium. Journal of Environmental Engineering, ASCE, 2016, 142, .	1.0	1
119	Removal of hydrolyzed Reactive Black 5 from aqueous solution using a polyethylenimine–polyvinyl chloride composite fiber. Chemical Engineering Journal, 2015, 280, 18-25.	8.6	66
120	Carboxymethyl cellulose fiber as a fast binding and biodegradable adsorbent of heavy metals. Journal of the Taiwan Institute of Chemical Engineers, 2015, 57, 104-110.	5.1	89
121	A sustainable cationic chitosan/E. coli fiber biosorbent for Pt(IV) removal and recovery in batch and column systems. Separation and Purification Technology, 2015, 143, 32-39.	7.9	51
122	Removal of heavy metals from aqueous phases using chemically modified waste Lyocell fiber. Journal of Hazardous Materials, 2015, 299, 550-561.	7.8	104
123	Biosorption–Incineration–Leaching–Smelting Sequential Process for Ru Recovery from Ru-Bearing Acetic Acid Waste Solution. Industrial & Engineering Chemistry Research, 2015, 54, 7148-7153.	2.9	12
124	Selective recovery of Pd(II) from extremely acidic solution using ion-imprinted chitosan fiber: Adsorption performance and mechanisms. Journal of Hazardous Materials, 2015, 299, 10-17.	7.8	153
125	In vitro release of metformin from iron (III) cross-linked alginate–carboxymethyl cellulose hydrogel beads. International Journal of Biological Macromolecules, 2015, 77, 114-119.	5.6	160
126	In silico prediction of linear free energy relationship descriptors of neutral and ionic compounds. RSC Advances, 2015, 5, 80634-80642.	4.0	28

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127	Facile Synthesis of Monodisperse Pt and Pd Nanoparticles Using Antioxidants. Journal of Nanoscience and Nanotechnology, 2015, 15, 412-417.	0.6	17
128	Biosorption of cationic basic dye and cadmium by the novel biosorbent Bacillus catenulatus JB-022 strain. Journal of Bioscience and Bioengineering, 2015, 119, 433-439.	1.7	70
129	Selective biosorption behavior of Escherichia coli biomass toward Pd(II) in Pt(IV)–Pd(II) binary solution. Journal of Hazardous Materials, 2015, 283, 657-662.	7.8	84
130	Structural effects of ionic liquids on microalgal growth inhibition and microbial degradation. Environmental Science and Pollution Research, 2015, 23, 4294-4300.	2.6	41
131	Effect of the Methylation of Amine Groups on Polysulfone-Escherichia Coli Biomass Composite Fiber for Removal of Basic Dye. Clean Technology, 2015, 21, 164-170.	0.2	0
132	Biosorbents for recovery of precious metals. Bioresource Technology, 2014, 160, 203-212.	6.4	236
133	The role of biomass in polyethylenimine-coated chitosan/bacterial biomass composite biosorbent fiber for removal of Ru from acetic acid waste solution. Bioresource Technology, 2014, 160, 93-97.	6.4	49
134	Ruthenium recovery from acetic acid waste water through sorption with bacterial biosorbent fibers. Bioresource Technology, 2013, 128, 30-35.	6.4	65
135	Recovery of high-purity metallic Pd from Pd(II)-sorbed biosorbents by incineration. Bioresource Technology, 2013, 137, 400-403.	6.4	16
136	Binding sites and mechanisms of cadmium to the dried sewage sludge biomass. Chemosphere, 2013, 93, 146-151.	5.0	14
137	Synthesis, characterization and mechanistic insights of mycogenic iron oxide nanoparticles. Journal of Nanoparticle Research, 2013, 15, .	2.3	34
138	Removal of 1-ethyl-3-methylimidazolium cations with bacterial biosorbents from aqueous media. Journal of Hazardous Materials, 2013, 244-245, 130-134.	7.8	19
139	Recovery of microbially synthesized gold nanoparticles using sodium citrate and detergents. Chemical Engineering Journal, 2013, 214, 253-261.	8.6	34
140	Cationic polymer-immobilized polysulfone-based fibers as high performance sorbents for Pt(IV) recovery from acidic solutions. Journal of Hazardous Materials, 2013, 263, 391-397.	7.8	55
141	Decarboxylated polyethylenimine-modified bacterial biosorbent for Ru biosorption from Ru-bearing acetic acid wastewater. Chemical Engineering Journal, 2013, 230, 303-307.	8.6	28
142	Biogenic Synthesis of Metallic Nanoparticles by Plant Extracts. ACS Sustainable Chemistry and Engineering, 2013, 1, 591-602.	5.3	819
143	Glutaraldehyde-crosslinked chitosan beads for sorptive separation of Au(III) and Pd(II): Opening a way to design reduction-coupled selectivity-tunable sorbents for separation of precious metals. Journal of Hazardous Materials, 2013, 248-249, 211-218.	7.8	96
144	Use of ion-exchange resins for the adsorption of the cationic part of ionic liquid, 1-ethyl-3-methylimidazolium. Chemical Engineering Journal, 2013, 214, 78-82.	8.6	36

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145	Development of Poly(acrylic acid)-Modified Bacterial Biomass As a High-Performance Biosorbent for Removal of Cd(II) from Aqueous Solution. Industrial & Engineering Chemistry Research, 2013, 52, 6446-6452.	2.9	22
146	Recovery of metallic palladium from hydrochloric acid solutions by a combined method of adsorption and incineration. Chemical Engineering Journal, 2013, 218, 303-308.	8.6	28
147	On the reason why acid treatment of biomass enhances the biosorption capacity of cationic pollutants. Korean Journal of Chemical Engineering, 2013, 31, 68-73.	2.2	6
148	Recovery of gold as a type of porous fiber by using biosorption followed by incineration. Bioresource Technology, 2012, 104, 208-214.	6.4	53
149	Determination of the time transferring cells for astaxanthin production considering two-stage process of Haematococcus pluvialis cultivation. Bioresource Technology, 2011, 102, 11249-11253.	6.4	32
150	Utilization of PEI-modified Corynebacterium glutamicum biomass for the recovery of Pd(II) in hydrochloric solution. Bioresource Technology, 2011, 102, 3888-3893.	6.4	117
151	Sorptive removal and recovery of nickel(II) from an actual effluent of electroplating industry: Comparison between Escherichia coli biosorbent and Amberlite ion exchange resin. Korean Journal of Chemical Engineering, 2011, 28, 927-932.	2.2	18
152	Optimum condition for the removal of Cr(VI) or total Cr using dried leaves of Pinus densiflora. Desalination, 2011, 271, 309-314.	8.2	35
153	Preparation of PEI-coated bacterial biosorbent in water solution: Optimization of manufacturing conditions using response surface methodology. Bioresource Technology, 2011, 102, 1462-1467.	6.4	26
154	Biosynthesis of Au Nanoparticles Using Cumin Seed Powder Extract. Journal of Nanoscience and Nanotechnology, 2011, 11, 1811-1814.	0.6	69
155	Multistage Operation of Airlift Photobioreactor for Increased Production of Astaxanthin from Haematococcus pluvialis. Journal of Microbiology and Biotechnology, 2011, 21, 1081-1087.	1.8	14
156	The past, present, and future trends of biosorption. Biotechnology and Bioprocess Engineering, 2010, 15, 86-102.	1.7	644
157	Counter ions and temperature incorporated tailoring of biogenic gold nanoparticles. Process Biochemistry, 2010, 45, 1450-1458.	3.1	107
158	Recovery of Pd(II) from hydrochloric solution using polyallylamine hydrochloride-modified Escherichia coli biomass. Journal of Hazardous Materials, 2010, 181, 794-800.	7.8	113
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