

# Novel Membrane-Based Synergistic Metal Extraction and

Industrial & Engineering Chemistry Research  
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Citation Report

#	ARTICLE	IF	CITATIONS
1	Simultaneous and Synergistic Extraction of Cationic and Anionic Heavy Metallic Species by a Mixed Solvent Extraction System and a Novel Contained Liquid Membrane Device. <i>Industrial &amp; Engineering Chemistry Research</i> , 1996, 35, 4214-4220.	1.8	41
2	Membrane-based solvent extraction in multicomponent systems. <i>Chemical Engineering Science</i> , 1998, 53, 899-917.	1.9	9
3	Improved Techniques in Liquid Membrane Separations: An Overview. <i>Separation and Purification Reviews</i> , 1998, 27, 213-298.	0.8	213
4	Influence of Nernst-Planck diffusion on hollow-fiber mass-transfer processes. <i>AIChE Journal</i> , 1998, 44, 1529-1541.	1.8	11
5	Viability of the separation of Cd from highly concentrated Ni~Cd mixtures by non-dispersive solvent extraction. <i>Chemical Engineering Journal</i> , 1998, 70, 237-243.	6.6	25
6	Batch Extraction Studies of Cationic and Anionic Heavy Metallic Species by a Mixed Solvent Extraction System. <i>Separation Science and Technology</i> , 1998, 33, 2559-2578.	1.3	10
7	Non-dispersive extraction separation of metals using hydrophilic microporous and cation exchange membranes. <i>Journal of Membrane Science</i> , 1999, 156, 179-186.	4.1	14
8	Hollow fiber membrane contactors. <i>Journal of Membrane Science</i> , 1999, 159, 61-106.	4.1	1,249
9	Effect of mass transport resistances in multicomponent membrane extraction on the overall mass fluxes. <i>Chemical Engineering Science</i> , 2000, 55, 2907-2916.	1.9	3
10	Dispersion-free membrane extraction: case studies of metal ion and organic acid extraction. <i>Journal of Membrane Science</i> , 2000, 165, 59-73.	4.1	56
11	Reaction dependent extraction of copper and nickel using hollow fibers. <i>Journal of Membrane Science</i> , 2000, 166, 229-238.	4.1	61
12	Hollow-Fiber Membrane Extraction of Copper(II) from Aqueous Ethylenediaminetetraacetic Acid Solutions with Aliquat 336. <i>Industrial &amp; Engineering Chemistry Research</i> , 2000, 39, 1409-1415.	1.8	26
13	Recovery of sulfur aroma compounds using membrane-based solvent extraction. <i>Journal of Membrane Science</i> , 2001, 187, 239-253.	4.1	64
14	Integrated membrane process for gold recovery from hydrometallurgical solutions. <i>AIChE Journal</i> , 2001, 47, 328-340.	1.8	27
15	Kinetic Modeling of Simultaneous Recovery of Metallic Cations and Anions with a Mixture of Extractants in Hollow-Fiber Modules. <i>Industrial &amp; Engineering Chemistry Research</i> , 2002, 41, 853-861.	1.8	8
16	Methods and techniques for the selective extraction and recovery of oxoanions. <i>Chemical Society Reviews</i> , 2002, 31, 60-67.	18.7	126
17	Removal of free and chelated Cu(II) ions from water by a nondispersive solvent extraction process. <i>Water Research</i> , 2002, 36, 3611-3619.	5.3	34
18	Mechanistic analysis of solvent extraction of heavy metals in membrane contactors. <i>Journal of Membrane Science</i> , 2003, 213, 125-135.	4.1	71

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19	Application of Hollow Fiber Membrane Contactors for Catalyst Recovery in the WPO Process. Annals of the New York Academy of Sciences, 2003, 984, 17-28.	1.8	9
20	Improved kinetics-based gold cyanide extraction with mixture of LIX79+TOPO utilizing hollow fiber membrane contactors. Chemical Engineering Journal, 2004, 100, 11-22.	6.6	21
21	Remediation and Liquid-Liquid Phase Transfer Extraction of Chromium(VI). A Review. Collection of Czechoslovak Chemical Communications, 2004, 69, 1231-1250.	1.0	62
22	Comparative performance of non-dispersive solvent extraction using a single module and the integrated membrane process with two hollow fiber contactors. Journal of Membrane Science, 2005, 248, 1-14.	4.1	44
23	Dense gas extraction using a hollow fiber membrane contactor: experimental results versus model predictions. Journal of Membrane Science, 2005, 257, 11-36.	4.1	36
24	Membrane extraction for separation of copper cations from acid solution using polypropylene hollow fibre membrane. Polymers for Advanced Technologies, 2005, 16, 738-743.	1.6	12
25	Separation of Zinc by a Non-dispersion Solvent Extraction Process in a Hollow Fiber Contactor. Solvent Extraction and Ion Exchange, 2007, 25, 857-877.	0.8	27
26	Modeling extraction separation of Nd(III) and La(III) from nitrate media in hollow-fiber modules. AIChE Journal, 2007, 53, 561-571.	1.8	8
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28	Dispersion-free solvent extraction of U(VI) in macro amount from nitric acid solutions using hollow fiber contactor. Journal of Membrane Science, 2007, 300, 131-136.	4.1	29
29	Big Carrousel mechanism of copper removal from ammoniacal wastewater through supported liquid membrane. Separation and Purification Technology, 2007, 54, 104-116.	3.9	42
30	Zinc and Copper Separation through an Emulsion Liquid Membrane Containing Di-(2-ethylhexyl) Phosphoric Acid as a Carrier. Chemical Engineering and Technology, 2008, 31, 370-376.	0.9	41
31	CO <sub>2</sub> removal from a gas stream by membrane contactor. Separation and Purification Technology, 2008, 59, 85-90.	3.9	71
32	Emulsion liquid membrane extraction of zinc by a hollow-fiber contactor. Journal of Membrane Science, 2008, 307, 156-168.	4.1	77
33	Membranes, Phase Interfaces, and Separations: Novel Techniques and Membranes—An Overview. Industrial & Engineering Chemistry Research, 2008, 47, 5250-5266.	1.8	88
34	Liquid Membrane-Based Separations of Actinides. , 2008, , 883-917.		6
35	An overview of the mathematical modelling of liquid membrane separation processes in hollow fibre contactors. Journal of Chemical Technology and Biotechnology, 2009, 84, 1583-1614.	1.6	65
36	Characterization of chemical kinetics in membrane-based liquid-liquid extraction of molybdenum(VI) from aqueous solutions. Chemical Engineering Journal, 2009, 151, 333-341.	6.6	29

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37	The Transport of Copper(II) through Hollow Fiber Renewal Liquid Membrane and Hollow Fiber Supported Liquid Membrane. Separation Science and Technology, 2009, 44, 1181-1197.	1.3	18
38	Mass Transfer Simulation of Caffeine Extraction by Subcritical CO <sub>2</sub> in a Hollow-Fiber Membrane Contactor. Solvent Extraction and Ion Exchange, 2010, 28, 267-286.	0.8	36
39	Modeling of Thallium Extraction in a Hollow-Fiber Membrane Contactor. Solvent Extraction and Ion Exchange, 2012, 30, 490-506.	0.8	21
40	Supported Liquid Membrane Principle and Its Practices: A Short Review. Journal of Chemistry, 2013, 2013, 1-11.	0.9	160
41	Review: Research Progress on Liquid-Liquid Extraction of Chromium. Jom, 2021, 73, 1371.	0.9	6
42	Developments in supported liquid membranes for treatment of metal-bearing wastewater. Separation and Purification Reviews, 2022, 51, 38-56.	2.8	11
43	Phase Transfer Extraction of Copper, Silver and Gold. , 2001, , 163-192.		0
44	Extraction of Anions and Oxyanions. , 2001, , 231-246.		0
46	Membrane technology—a promising approach for metal ion extraction. , 2024, , 425-444.		0