List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Application of solubility data on a hollow fiber supported liquid membrane system for the extraction of gold (I) cyanide from electronic industrial wastewater. Chemical Engineering Communications, 2023, 210, 223-232.	2.6	2
2	Synergistic interplay between Aliquat 336 and organophosphorus extractants towards non-dispersive extraction of arsenic from petroleum produced water via hollow fiber membrane contactor. Separation and Purification Technology, 2022, 286, 120431.	7.9	9
3	Biosorption of lead (II) from aqueous solution using Cellulose-based Bio-adsorbents prepared from unripe papaya (Carica papaya) peel waste: Removal Efficiency, Thermodynamics, kinetics and isotherm analysis. Arabian Journal of Chemistry, 2022, 15, 103883.	4.9	15
4	Effect of temperature on the equilibrium solubility of dimethylolpropionic acid: Measurement, correlation, thermodynamic analysis and solvent selection. Journal of Molecular Liquids, 2021, 328, 115462.	4.9	7
5	Separation of homogeneous palladium catalysts from pharmaceutical industry wastewater by using synergistic recovery phase via HFSLM system. Arabian Journal of Chemistry, 2021, 14, 103024.	4.9	8
6	New and green extraction of mercury(I) by pure sunflower oil: Mechanism, kinetics and thermodynamics. Journal of the Taiwan Institute of Chemical Engineers, 2021, 122, 40-50.	5.3	9
7	The elimination of trace arsenic via hollow fiber supported liquid membrane: experiment and mathematical model. Scientific Reports, 2021, 11, 11790.	3.3	9
8	Synergistic effect of Thiourea and HCl on Palladium (II) recovery: An investigation on Chemical structures and thermodynamic stability via DFT. Arabian Journal of Chemistry, 2021, 14, 103196.	4.9	19
9	Selective separation of trace nickel(II) and gold(I) ions via hollow fiber supported liquid membrane enhanced by synergistic extractants D2EHPA/TBP. Arabian Journal of Chemistry, 2021, 14, 103427.	4.9	6
10	A review of the recovery of precious metals using ionic liquid extractants in hydrometallurgical processes. Hydrometallurgy, 2020, 198, 105488.	4.3	41
11	Biosorption of dicloxacillin from pharmaceutical waste water using tannin from Indian almond leaf: Kinetic and equilibrium studies. Biotechnology Reports (Amsterdam, Netherlands), 2020, 27, e00488.	4.4	17
12	A numerical and experimental investigation on the selective separation of Pd (II) from wastewater using Aliquat 336 via hollow fiber supported liquid membrane. Journal of Environmental Chemical Engineering, 2020, 8, 104234.	6.7	16
13	Solubility modelling and solvent effect on solid-liquid equilibrium of 2,2-bis(hydroxymethyl)butyric acid at different temperatures. Journal of Molecular Liquids, 2020, 312, 113370.	4.9	8
14	The mutual solubility of organic-liquid membrane and aqueous phases at different water pH for the stability of SLM using Aliquat 336 as an ionic-liquid extractant. Journal of Molecular Liquids, 2019, 292, 111363.	4.9	10
15	Synergistic strippants of Pd (II) ions in the presence of chloride medium from wastewater of electroless plating process via solvating system: Kinetics and thermodynamics study. Separation Science and Technology, 2019, 54, 2971-2982.	2.5	8
16	Isobaric vapor-liquid equilibrium for binary system related to the organophosphoric extractant of D2EHPA + n-dodecane and TBP + n-dodecane at 0.13, 2.40 and 6.67ÂkPa. Vacuum, 2019, 160, 60-69.	3.5	4
17	Thermodynamic parameters and isotherm application on enantiomeric separation of levofloxacin using hollow fiber supported liquid membrane system. Separation and Purification Technology, 2018, 195, 377-387.	7.9	14
18	Influence of salt concentration on solubility and tie-line data for the system: Formic acid + n-butanol + water. Separation Science and Technology, 2018, 53, 990-998.	2.5	4

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19	The experimental investigations on viscosity, surface tension, interfacial tension and solubility of the binary and ternary systems for tributyl phosphate (TBP) extractant in various organic solvents with water: Thermodynamic NRTL model and molecular interaction approach. Journal of Molecular Liquids, 2018, 251, 229-237.	4.9	20
20	Yttrium (III) Recovery with D2EHPA in Pseudo-Emulsion Hollow Fiber Strip Dispersion System. Scientific Reports, 2018, 8, 7627.	3.3	22
21	An investigation of saturated vapor pressure regarding low-volatility organophosphorus extractants Di-(2-ethylhexyl) phosphoric acid and tributyl phosphate: Correlation and thermodynamics study. Vacuum, 2018, 156, 237-247.	3.5	7
22	Optimization of process parameters using response surface methodology for Pd(II) extraction with quaternary ammonium salt from chloride medium: kinetic and thermodynamics study. Chemical Papers, 2018, 72, 3129-3139.	2.2	8
23	Amoxicillin removal from aqueous solutions using hollow fibre supported liquid membrane: kinetic study. Chemical Papers, 2017, 71, 1291-1302.	2.2	6
24	Measurement of the solubility of the salt of 2-mercaptobenzothiazole with cyclohexylamine and tert-butylamine in various solvents at low temperatures: Models and thermodynamic parameters. Fluid Phase Equilibria, 2017, 434, 141-151.	2.5	6
25	Effect of polarity and temperature on the binary interaction between D2EHPA extractant and organic solvents (kerosene, n-heptane, chlorobenzene and 1-octanol): Experimental and thermodynamics. Fluid Phase Equilibria, 2017, 434, 117-129.	2.5	24
26	Separation of platinum(IV) across hollow fiber supported liquid membrane using non-toxic diluents: Mass transfer and thermodynamics. Journal of Industrial and Engineering Chemistry, 2017, 54, 278-289.	5.8	12
27	Salt effect on the liquid-liquid equilibrium of water-furfuryl alcohol-furfural system at 298.15 K. Korean Journal of Chemical Engineering, 2017, 34, 2293-2300.	2.7	6
28	Effects of salt on the LLE and tie-line data for furfuryl alcohol — n-butanol–water at T = 298.15 K. Journal of Molecular Liquids, 2016, 218, 50-58.	4.9	21
29	Mass transfer resistance and response surface methodology for separation of platinum (IV) across hollow fiber supported liquid membrane. Journal of Industrial and Engineering Chemistry, 2016, 42, 23-35.	5.8	22
30	Influence of Salt on the Solubility and Tie-Line Data for Water + Formic Acid + Methyl Isobutyl Ketone at T = 298.15 K. Journal of Chemical & Engineering Data, 2016, 61, 2433-2439.	1.9	8
31	Separation of yttrium from rare earth using hollow fiber-supported liquid membrane: factorial design analysis. Desalination and Water Treatment, 2016, 57, 3985-3994.	1.0	15
32	Separation of mercury and arsenic from produced water via hollow fiber contactor: Kinetic and mass transfer analysis. Korean Journal of Chemical Engineering, 2016, 33, 197-206.	2.7	7
33	Synergistic extraction of amoxicillin from aqueous solution by using binary mixtures of Aliquat 336, D2EHPA and TBP. Separation and Purification Technology, 2016, 162, 30-36.	7.9	35
34	The synergistic extraction of uranium ions from monazite leach solution via HFSLM and its mass transfer. Journal of Industrial and Engineering Chemistry, 2016, 33, 246-254.	5.8	12
35	Separation of mercury(II) from petroleum produced water via hollow fiber supported liquid membrane and mass transfer modeling. Chemical Engineering Journal, 2015, 265, 34-46.	12.7	42
36	The effect of temperature on mass transfer and thermodynamic parameters in the removal of amoxicillin via hollow fiber supported liquid membrane. Chemical Engineering Journal, 2015, 265, 75-83.	12.7	24

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37	The role of organic diluents in the aspects of equilibrium, kinetics and thermodynamic model for silver ion extraction using an extractant D2EHPA. Fluid Phase Equilibria, 2015, 388, 22-30.	2.5	12
38	Separation of amoxicillin using trioctylmethylammonium chloride via a hollow fiber supported liquid membrane: Modeling and experimental investigation. Journal of Industrial and Engineering Chemistry, 2015, 23, 109-118.	5.8	19
39	An investigation of Calix[4]arene nitrile for mercury(II) treatment in HFSLM application. Chemical Engineering and Processing: Process Intensification, 2015, 89, 35-40.	3.6	2
40	Purification of Sn(IV) and recovery of Pd(II) from flexible printed circuit board industry wastewater via HFSLM: Temperature effect investigation. Journal of Industrial and Engineering Chemistry, 2015, 22, 217-228.	5.8	7
41	Phase equilibrium for ternary liquid systems of water+di-(2-ethylhexyl)phosphoric acid+organic diluents: Thermodynamic study. Fluid Phase Equilibria, 2015, 401, 34-47.	2.5	7
42	Optimization of synergistic extraction of neodymium ions from monazite leach solution treatment via HFSLM using response surface methodology. Minerals Engineering, 2015, 77, 1-9.	4.3	14
43	Separation of Cd(II) from industrial wastewater via HFSLM: Equilibrium, kinetic and thermodynamic investigation. Journal of Industrial and Engineering Chemistry, 2015, 25, 22-28.	5.8	8
44	The separation of Nd(III) from mixed rare earth via hollow fiber supported liquid membrane and mass transfer analysis. Journal of Industrial and Engineering Chemistry, 2015, 26, 214-217.	5.8	25
45	Mass transfer and selective separation of neodymium ions via a hollow fiber supported liquid membrane using PC88A as extractant. Journal of Industrial and Engineering Chemistry, 2015, 21, 535-541.	5.8	24
46	Effect of diluent polarity on membrane stability in the separation of trace Pd(II) from wastewater by HFSLM using LIX84-I. Journal of Industrial and Engineering Chemistry, 2015, 21, 212-220.	5.8	11
47	Mass transfer resistance of simultaneous extraction and stripping of mercury(II) from petroleum produced water via HFSLM. Journal of Industrial and Engineering Chemistry, 2015, 21, 1020-1028.	5.8	10
48	Selective Enantioseparation of Racemic Amlodipine by Biphasic Recognition Chiral Separation System. Separation Science and Technology, 2014, 49, 1357-1365.	2.5	7
49	Simultaneous extraction and stripping of lead ions via a hollow fiber supported liquid membrane: Experiment and modeling. Journal of Industrial and Engineering Chemistry, 2014, 20, 2584-2593.	5.8	17
50	High-efficiency HFSLM for silver-ion pertraction from pharmaceutical wastewater and mass-transport models. Chemical Engineering Research and Design, 2014, 92, 2681-2693.	5.6	14
51	Separation of Co(II) and Mn(II) from sulphate media via a HFSLM: Reaction flux model and experimental verification. Journal of Industrial and Engineering Chemistry, 2014, 20, 1532-1541.	5.8	5
52	Modelling and experimental validation of enantioseparation of racemic phenylalanine via a hollow fibre-supported liquid membrane. Chemical Papers, 2014, 68, .	2.2	9
53	Separation and mass transport of Nd(III) from mixed rare earths via hollow fiber supported liquid membrane: Experiment and modeling. Chemical Engineering Journal, 2014, 248, 158-167.	12.7	38
54	Synergistic effect of various neutral donors in D2EHPA for selective neodymium separation from lanthanide series via HFSLM. Journal of Industrial and Engineering Chemistry, 2014, 20, 4152-4162.	5.8	26

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55	Factorial design in optimization of the separation of uranium from yellowcake across a hollow fiber supported liquid membrane, with mass transport modeling. Korean Journal of Chemical Engineering, 2014, 31, 868-874.	2.7	9
56	Thermodynamic models for determination of the solubility of 2,5-bis(2-furylmethylidene)cyclopentan-1-one in different solvents at temperatures ranging from 308.15 to 403.15K. Fluid Phase Equilibria, 2014, 367, 57-62.	2.5	31
57	Experiments and thermodynamic models for ternary (liquid–liquid) equilibrium systems of water+cyclopentanone+organic solvents at T=298.2K. Journal of Molecular Liquids, 2014, 196, 98-106.	4.9	18
58	Solubility and tie-line data for ternary aqueous mixtures of cyclopentanol with organic solvents at T=298.2K: Experiments and NRTL model. Fluid Phase Equilibria, 2014, 379, 10-18.	2.5	14
59	Ternary (liquid–liquid) equilibrium data of furfuryl alcohol with organic solvents at T=298.2K: Experimental results and thermodynamic models. Fluid Phase Equilibria, 2014, 365, 88-96.	2.5	26
60	Mathematical model and experimental validation of the synergistic effect of selective enantioseparation of (S)-amlodipine from pharmaceutical wastewater using a HFSLM. Journal of Industrial and Engineering Chemistry, 2014, 20, 1612-1622.	5.8	14
61	State of the Art Hollow Fiber Supported Liquid Membrane on Pd (II) Separation from Wastewater Using Alamine 336. International Journal of Chemical Engineering and Applications (IJCEA), 2014, 5, 311-314.	0.3	2
62	Thermodynamics of the solubility of 4-acetylbenzoic acid in different solvents from 303.15 to 473.15K. Journal of Molecular Liquids, 2013, 180, 252-259.	4.9	94
63	Enantioselective Separation of Racemic Amlodipine by Two-Phase Chiral Extraction Containing <i>O,O′</i> -Dibenzoyl-(2 <i>S</i> ,3 <i>S</i>)-Tartaric Acid as Chiral Selector. Separation Science and Technology, 2013, 48, 2363-2371.	2.5	11
64	Determination and modeling of aqueous solubility of 4-position substituted benzoic acid compounds in a high-temperature solution. Fluid Phase Equilibria, 2013, 338, 217-223.	2.5	54
65	A Generating Function applied on a reaction model for the selective separation of Pb(II) and Hg(II) via HFSLM. Journal of Membrane Science, 2013, 448, 23-33.	8.2	17
66	Enantioseparation of (S)-amlodipine from pharmaceutical industry wastewater by stripping phase recovery via HFSLM: Polarity of diluent and membrane stability investigation. Separation and Purification Technology, 2013, 116, 405-414.	7.9	19
67	Measurement on the solubility of adipic acid in various solvents at high temperature and its thermodynamics parameters. Fluid Phase Equilibria, 2013, 360, 332-337.	2.5	42
68	Fluid-flow models operating on linear algebra for extraction and stripping of silver ions from pharmaceutical wastewater by HFSLM. Chemical Engineering Journal, 2013, 222, 361-373.	12.7	31
69	Separation of Co(II) and Ni(II) from thiocyanate media by hollow fiber supported liquid membrane containing Alamine300 as carrier — investigation on polarity of diluent and membrane stability. Korean Journal of Chemical Engineering, 2013, 30, 194-200.	2.7	25
70	The effects of thermodynamics on mass transfer and enantioseparation of (R,S)-amlodipine across a hollow fiber supported liquid membrane. Separation and Purification Technology, 2013, 102, 50-61.	7.9	28
71	Selective Transport of Palladium through a Hollow Fiber Supported Liquid Membrane and Prediction Model Based on Reaction Flux. Separation Science and Technology, 2013, 48, 93-104.	2.5	17
72	Synergistic Enantioseparation of Rac-Phenylalanine via Hollow Fiber Supported Liquid Membrane. Separation Science and Technology, 2013, 48, 867-876.	2.5	12

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73	Arsenic Removal from Natural Gas Condensate using a Pulsed Sieve Plate Column and Mass Transfer Efficiency. Separation Science and Technology, 2012, 47, 432-439.	2.5	21
74	The synergistic effect of selective separation of (S)-amlodipine from pharmaceutical wastewaters via hollow fiber supported liquid membrane. Chemical Engineering Journal, 2012, 209, 201-214.	12.7	26
75	The selective separation of (S)-amlodipine via a hollow fiber supported liquid membrane: Modeling and experimental verification. Chemical Engineering Journal, 2012, 180, 299-308.	12.7	42
76	Uphill transport and mathematical model of Pb(II) from dilute synthetic lead-containing solutions across hollow fiber supported liquid membrane. Chemical Engineering Journal, 2012, 191, 503-511.	12.7	48
77	The effective recovery of praseodymium from mixed rare earths via a hollow fiber supported liquid membrane and its mass transfer related. Journal of Alloys and Compounds, 2011, 509, 354-361.	5.5	51
78	Mass transfer modeling on the separation of tantalum and niobium from dilute hydrofluoric media through a hollow fiber supported liquid membrane. Journal of Alloys and Compounds, 2011, 509, 9549-9557.	5.5	29
79	Innovative approach to enhance uranium ion flux by consecutive extraction via hollow fiber supported liquid membrane. Journal of Industrial and Engineering Chemistry, 2011, 17, 647-650.	5.8	13
80	Simultaneous removal of arsenic and mercury from natural-gas-co-produced water from the Gulf of Thailand using synergistic extractant via HFSLM. Journal of Membrane Science, 2011, 369, 350-358.	8.2	56
81	A Reaction Flux Model for Extraction of Cu(II) with LIX84I in HFSLM. Separation Science and Technology, 2011, 46, 2183-2190.	2.5	28
82	Selective removal of mercury as HgCl42â^' from natural gas well produced water by TOA via HFSLM. Journal of Alloys and Compounds, 2010, 489, 72-79.	5.5	35
83	Reduction of concentration polarization at feeding interphase of a hollow fiber supported liquid membrane by using periodic operation. Korean Journal of Chemical Engineering, 2009, 26, 765-769.	2.7	11
84	Efficient transport and selective extraction of Cr(VI) from waste pickling solution of the stainless steel-cold rolled plate process using Aliquat 336 via HFSLM. Korean Journal of Chemical Engineering, 2009, 26, 791-798.	2.7	12
85	Synergistic separation of yttrium ions in lanthanide series from rare earths mixture via hollow fiber supported liquid membrane. Journal of Industrial and Engineering Chemistry, 2009, 15, 224-228.	5.8	54
86	Selective recovery of nickel ions from wastewater of stainless steel industry via HFSLM. Journal of Alloys and Compounds, 2009, 476, 940-949.	5.5	32
87	Treatment of arsenic ions from produced water through hollow fiber supported liquid membrane. Journal of Alloys and Compounds, 2009, 482, 328-334.	5.5	37
88	Separation of As(III) and As(V) by hollow fiber supported liquid membrane based on the mass transfer theory. Korean Journal of Chemical Engineering, 2008, 25, 158-163.	2.7	32
89	Performance of hollow fiber supported liquid membrane on the extraction of mercury(II) ions. Korean Journal of Chemical Engineering, 2008, 25, 1486-1494.	2.7	19
90	Separation of radioactive metal ions by hollow fiber-supported liquid membrane and permeability analysis. Journal of the Taiwan Institute of Chemical Engineers, 2007, 38, 489-494.	1.4	36

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91	Purification of 2-mercaptobenzothiazole by solvent extraction. Korean Journal of Chemical Engineering, 2007, 24, 282-287.	2.7	6