

Ura Pancharoen

List of Publications by Year in descending order

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papers

1,817
citations

270111

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406436

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docs citations

96
times ranked

1163
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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. <i>Chemical Engineering Communications</i> , 2023, 210, 223-232.	1.5	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. <i>Separation and Purification Technology</i> , 2022, 286, 120431.	3.9	9
3	Biosorption of lead (II) from aqueous solution using Cellulose-based Bio-adsorbents prepared from unripe papaya (<i>Carica papaya</i>) peel waste: Removal Efficiency, Thermodynamics, kinetics and isotherm analysis. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103883.	2.3	15
4	Effect of temperature on the equilibrium solubility of dimethylolpropionic acid: Measurement, correlation, thermodynamic analysis and solvent selection. <i>Journal of Molecular Liquids</i> , 2021, 328, 115462.	2.3	7
5	Separation of homogeneous palladium catalysts from pharmaceutical industry wastewater by using synergistic recovery phase via HFSLM system. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103024.	2.3	8
6	New and green extraction of mercury(I) by pure sunflower oil: Mechanism, kinetics and thermodynamics. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 2021, 122, 40-50.	2.7	9
7	The elimination of trace arsenic via hollow fiber supported liquid membrane: experiment and mathematical model. <i>Scientific Reports</i> , 2021, 11, 11790.	1.6	9
8	Synergistic effect of Thiourea and HCl on Palladium (II) recovery: An investigation on Chemical structures and thermodynamic stability via DFT. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103196.	2.3	19
9	Selective separation of trace nickel(II) and gold(I) ions via hollow fiber supported liquid membrane enhanced by synergistic extractants D2EHPA/TBP. <i>Arabian Journal of Chemistry</i> , 2021, 14, 103427.	2.3	6
10	A review of the recovery of precious metals using ionic liquid extractants in hydrometallurgical processes. <i>Hydrometallurgy</i> , 2020, 198, 105488.	1.8	41
11	Biosorption of dicloxacillin from pharmaceutical waste water using tannin from Indian almond leaf: Kinetic and equilibrium studies. <i>Biotechnology Reports (Amsterdam, Netherlands)</i> , 2020, 27, e00488.	2.1	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. <i>Journal of Environmental Chemical Engineering</i> , 2020, 8, 104234.	3.3	16
13	Solubility modelling and solvent effect on solid-liquid equilibrium of 2,2-bis(hydroxymethyl)butyric acid at different temperatures. <i>Journal of Molecular Liquids</i> , 2020, 312, 113370.	2.3	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. <i>Journal of Molecular Liquids</i> , 2019, 292, 111363.	2.3	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. <i>Separation Science and Technology</i> , 2019, 54, 2971-2982.	1.3	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 6.67 kPa. <i>Vacuum</i> , 2019, 160, 60-69.	1.6	4
17	Thermodynamic parameters and isotherm application on enantiomeric separation of levofloxacin using hollow fiber supported liquid membrane system. <i>Separation and Purification Technology</i> , 2018, 195, 377-387.	3.9	14
18	Influence of salt concentration on solubility and tie-line data for the system: Formic acid + n-butanol + water. <i>Separation Science and Technology</i> , 2018, 53, 990-998.	1.3	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. <i>Journal of Molecular Liquids</i> , 2018, 251, 229-237.	2.3	20
20	Yttrium (III) Recovery with D2EHPA in Pseudo-Emulsion Hollow Fiber Strip Dispersion System. <i>Scientific Reports</i> , 2018, 8, 7627.	1.6	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. <i>Vacuum</i> , 2018, 156, 237-247.	1.6	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. <i>Chemical Papers</i> , 2018, 72, 3129-3139.	1.0	8
23	Amoxicillin removal from aqueous solutions using hollow fibre supported liquid membrane: kinetic study. <i>Chemical Papers</i> , 2017, 71, 1291-1302.	1.0	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. <i>Fluid Phase Equilibria</i> , 2017, 434, 141-151.	1.4	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. <i>Fluid Phase Equilibria</i> , 2017, 434, 117-129.	1.4	24
26	Separation of platinum(IV) across hollow fiber supported liquid membrane using non-toxic diluents: Mass transfer and thermodynamics. <i>Journal of Industrial and Engineering Chemistry</i> , 2017, 54, 278-289.	2.9	12
27	Salt effect on the liquid-liquid equilibrium of water-furfuryl alcohol-furfural system at 298.15 K. <i>Korean Journal of Chemical Engineering</i> , 2017, 34, 2293-2300.	1.2	6
28	Effects of salt on the LLE and tie-line data for furfuryl alcohol " n-butanol" water at T = 298.15 K. <i>Journal of Molecular Liquids</i> , 2016, 218, 50-58.	2.3	21
29	Mass transfer resistance and response surface methodology for separation of platinum (IV) across hollow fiber supported liquid membrane. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 42, 23-35.	2.9	22
30	Influence of Salt on the Solubility and Tie-Line Data for Water + Formic Acid + Methyl Isobutyl Ketone at T = 298.15 K. <i>Journal of Chemical & Engineering Data</i> , 2016, 61, 2433-2439.	1.0	8
31	Separation of yttrium from rare earth using hollow fiber-supported liquid membrane: factorial design analysis. <i>Desalination and Water Treatment</i> , 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. <i>Korean Journal of Chemical Engineering</i> , 2016, 33, 197-206.	1.2	7
33	Synergistic extraction of amoxicillin from aqueous solution by using binary mixtures of Aliquat 336, D2EHPA and TBP. <i>Separation and Purification Technology</i> , 2016, 162, 30-36.	3.9	35
34	The synergistic extraction of uranium ions from monazite leach solution via HFSLM and its mass transfer. <i>Journal of Industrial and Engineering Chemistry</i> , 2016, 33, 246-254.	2.9	12
35	Separation of mercury(II) from petroleum produced water via hollow fiber supported liquid membrane and mass transfer modeling. <i>Chemical Engineering Journal</i> , 2015, 265, 34-46.	6.6	42
36	The effect of temperature on mass transfer and thermodynamic parameters in the removal of amoxicillin via hollow fiber supported liquid membrane. <i>Chemical Engineering Journal</i> , 2015, 265, 75-83.	6.6	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. <i>Fluid Phase Equilibria</i> , 2015, 388, 22-30.	1.4	12
38	Separation of amoxicillin using trioctylmethylammonium chloride via a hollow fiber supported liquid membrane: Modeling and experimental investigation. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 23, 109-118.	2.9	19
39	An investigation of Calix[4]arene nitrile for mercury(II) treatment in HFSLM application. <i>Chemical Engineering and Processing: Process Intensification</i> , 2015, 89, 35-40.	1.8	2
40	Purification of Sn(IV) and recovery of Pd(II) from flexible printed circuit board industry wastewater via HFSLM: Temperature effect investigation. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 22, 217-228.	2.9	7
41	Phase equilibrium for ternary liquid systems of water+di-(2-ethylhexyl)phosphoric acid+organic diluents: Thermodynamic study. <i>Fluid Phase Equilibria</i> , 2015, 401, 34-47.	1.4	7
42	Optimization of synergistic extraction of neodymium ions from monazite leach solution treatment via HFSLM using response surface methodology. <i>Minerals Engineering</i> , 2015, 77, 1-9.	1.8	14
43	Separation of Cd(II) from industrial wastewater via HFSLM: Equilibrium, kinetic and thermodynamic investigation. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 25, 22-28.	2.9	8
44	The separation of Nd(III) from mixed rare earth via hollow fiber supported liquid membrane and mass transfer analysis. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 26, 214-217.	2.9	25
45	Mass transfer and selective separation of neodymium ions via a hollow fiber supported liquid membrane using PC88A as extractant. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 535-541.	2.9	24
46	Effect of diluent polarity on membrane stability in the separation of trace Pd(II) from wastewater by HFSLM using LIX84-I. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 212-220.	2.9	11
47	Mass transfer resistance of simultaneous extraction and stripping of mercury(II) from petroleum produced water via HFSLM. <i>Journal of Industrial and Engineering Chemistry</i> , 2015, 21, 1020-1028.	2.9	10
48	Selective Enantioseparation of Racemic Amlodipine by Biphasic Recognition Chiral Separation System. <i>Separation Science and Technology</i> , 2014, 49, 1357-1365.	1.3	7
49	Simultaneous extraction and stripping of lead ions via a hollow fiber supported liquid membrane: Experiment and modeling. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 2584-2593.	2.9	17
50	High-efficiency HFSLM for silver-ion pertraction from pharmaceutical wastewater and mass-transport models. <i>Chemical Engineering Research and Design</i> , 2014, 92, 2681-2693.	2.7	14
51	Separation of Co(II) and Mn(II) from sulphate media via a HFSLM: Reaction flux model and experimental verification. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 1532-1541.	2.9	5
52	Modelling and experimental validation of enantioseparation of racemic phenylalanine via a hollow fibre-supported liquid membrane. <i>Chemical Papers</i> , 2014, 68, .	1.0	9
53	Separation and mass transport of Nd(III) from mixed rare earths via hollow fiber supported liquid membrane: Experiment and modeling. <i>Chemical Engineering Journal</i> , 2014, 248, 158-167.	6.6	38
54	Synergistic effect of various neutral donors in D2EHPA for selective neodymium separation from lanthanide series via HFSLM. <i>Journal of Industrial and Engineering Chemistry</i> , 2014, 20, 4152-4162.	2.9	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.	1.2	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.	1.4	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.	2.3	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.	1.4	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.	1.4	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.	2.9	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.	2.3	94
63	Enantioselective Separation of Racemic Amlodipine by Two-Phase Chiral Extraction Containing (S)-Dibenzoyl-(2S,3S)-Tartaric Acid as Chiral Selector. Separation Science and Technology, 2013, 48, 2363-2371.	1.3	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.	1.4	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.	4.1	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.	3.9	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.	1.4	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.	6.6	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.	1.2	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.	3.9	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.	1.3	17
72	Synergistic Enantioseparation of Rac-Phenylalanine via Hollow Fiber Supported Liquid Membrane. Separation Science and Technology, 2013, 48, 867-876.	1.3	12

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73	Arsenic Removal from Natural Gas Condensate using a Pulsed Sieve Plate Column and Mass Transfer Efficiency. <i>Separation Science and Technology</i> , 2012, 47, 432-439.	1.3	21
74	The synergistic effect of selective separation of (S)-amlodipine from pharmaceutical wastewaters via hollow fiber supported liquid membrane. <i>Chemical Engineering Journal</i> , 2012, 209, 201-214.	6.6	26
75	The selective separation of (S)-amlodipine via a hollow fiber supported liquid membrane: Modeling and experimental verification. <i>Chemical Engineering Journal</i> , 2012, 180, 299-308.	6.6	42
76	Uphill transport and mathematical model of Pb(II) from dilute synthetic lead-containing solutions across hollow fiber supported liquid membrane. <i>Chemical Engineering Journal</i> , 2012, 191, 503-511.	6.6	48
77	The effective recovery of praseodymium from mixed rare earths via a hollow fiber supported liquid membrane and its mass transfer related. <i>Journal of Alloys and Compounds</i> , 2011, 509, 354-361.	2.8	51
78	Mass transfer modeling on the separation of tantalum and niobium from dilute hydrofluoric media through a hollow fiber supported liquid membrane. <i>Journal of Alloys and Compounds</i> , 2011, 509, 9549-9557.	2.8	29
79	Innovative approach to enhance uranium ion flux by consecutive extraction via hollow fiber supported liquid membrane. <i>Journal of Industrial and Engineering Chemistry</i> , 2011, 17, 647-650.	2.9	13
80	Simultaneous removal of arsenic and mercury from natural-gas-co-produced water from the Gulf of Thailand using synergistic extractant via HFSLM. <i>Journal of Membrane Science</i> , 2011, 369, 350-358.	4.1	56
81	A Reaction Flux Model for Extraction of Cu(II) with LIX84I in HFSLM. <i>Separation Science and Technology</i> , 2011, 46, 2183-2190.	1.3	28
82	Selective removal of mercury as HgCl_4^{2-} from natural gas well produced water by TOA via HFSLM. <i>Journal of Alloys and Compounds</i> , 2010, 489, 72-79.	2.8	35
83	Reduction of concentration polarization at feeding interphase of a hollow fiber supported liquid membrane by using periodic operation. <i>Korean Journal of Chemical Engineering</i> , 2009, 26, 765-769.	1.2	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. <i>Korean Journal of Chemical Engineering</i> , 2009, 26, 791-798.	1.2	12
85	Synergistic separation of yttrium ions in lanthanide series from rare earths mixture via hollow fiber supported liquid membrane. <i>Journal of Industrial and Engineering Chemistry</i> , 2009, 15, 224-228.	2.9	54
86	Selective recovery of nickel ions from wastewater of stainless steel industry via HFSLM. <i>Journal of Alloys and Compounds</i> , 2009, 476, 940-949.	2.8	32
87	Treatment of arsenic ions from produced water through hollow fiber supported liquid membrane. <i>Journal of Alloys and Compounds</i> , 2009, 482, 328-334.	2.8	37
88	Separation of As(III) and As(V) by hollow fiber supported liquid membrane based on the mass transfer theory. <i>Korean Journal of Chemical Engineering</i> , 2008, 25, 158-163.	1.2	32
89	Performance of hollow fiber supported liquid membrane on the extraction of mercury(II) ions. <i>Korean Journal of Chemical Engineering</i> , 2008, 25, 1486-1494.	1.2	19
90	Separation of radioactive metal ions by hollow fiber-supported liquid membrane and permeability analysis. <i>Journal of the Taiwan Institute of Chemical Engineers</i> , 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.	1.2	6