

Chun-xi Li

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9180910/publications.pdf>

Version: 2024-02-01

105
papers

3,524
citations

126858

33
h-index

155592

55
g-index

105
all docs

105
docs citations

105
times ranked

2666
citing authors

#	ARTICLE	IF	CITATIONS
1	Extractive Desulfurization of Gasoline Using Imidazolium-Based Phosphoric Ionic Liquids. <i>Energy & Fuels</i> , 2006, 20, 2083-2087.	2.5	287
2	Imidazolium-based alkylphosphate ionic liquids – A potential solvent for extractive desulfurization of fuel. <i>Fuel</i> , 2008, 87, 79-84.	3.4	193
3	Extractive Desulfurization of Fuel Oil Using Alkylimidazole and Its Mixture with Dialkylphosphate Ionic Liquids. <i>Industrial & Engineering Chemistry Research</i> , 2007, 46, 5108-5112.	1.8	147
4	Vapor pressure measurement for binary and ternary systems containing a phosphoric ionic liquid. <i>Fluid Phase Equilibria</i> , 2006, 247, 190-198.	1.4	136
5	Viscosity and Density Measurements for Six Binary Mixtures of Water (Methanol or Ethanol) with an Ionic Liquid ([BMIM][DMP] or [EMIM][DMP]) at Atmospheric Pressure in the Temperature Range of (293.15 to 333.15) K. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 33-39.	1.0	122
6	Vapor pressure measurement for water, methanol, ethanol, and their binary mixtures in the presence of an ionic liquid 1-ethyl-3-methylimidazolium dimethylphosphate. <i>Fluid Phase Equilibria</i> , 2007, 255, 186-192.	1.4	120
7	Isobaric vapor–liquid equilibria for ethanol–water system containing different ionic liquids at atmospheric pressure. <i>Fluid Phase Equilibria</i> , 2006, 242, 147-153.	1.4	111
8	N,N-dialkylimidazolium dialkylphosphate ionic liquids: Their extractive performance for thiophene series compounds from fuel oils versus the length of alkyl group. <i>Fuel Processing Technology</i> , 2008, 89, 978-983.	3.7	88
9	Removal of Thiophenic Sulfurs Using an Extractive Oxidative Desulfurization Process with Three New Phosphotungstate Catalysts. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 6658-6665.	1.8	81
10	A functional activated carbon for efficient adsorption of phenol derived from pyrolysis of rice husk, KOH-activation and EDTA-4Na-modification. <i>Applied Surface Science</i> , 2020, 510, 145425.	3.1	76
11	Vapour pressure measurement for binary and ternary systems containing water methanol ethanol and an ionic liquid 1-ethyl-3-ethylimidazolium diethylphosphate. <i>Journal of Chemical Thermodynamics</i> , 2007, 39, 841-846.	1.0	74
12	Ternary Liquid–Liquid Equilibria Measurement for Benzene + Cyclohexane + N-Methylimidazole, or N-Ethylimidazole, or N-Methylimidazolium Dibutylphosphate at 298.2 K and Atmospheric Pressure. <i>Journal of Chemical & Engineering Data</i> , 2008, 53, 2170-2174.	1.0	70
13	Complex Extraction of Phenol and Cresol from Model Coal Tar with Polyols, Ethanol Amines, and Ionic Liquids Thereof. <i>Industrial & Engineering Chemistry Research</i> , 2014, 53, 355-362.	1.8	69
14	Towards understanding the effect of electrostatic interactions on the density of ionic liquids. <i>Fluid Phase Equilibria</i> , 2009, 279, 87-91.	1.4	61
15	Synthesis and Supercapacitor Application of Alkynyl Carbon Materials Derived from CaC_2 and Polyhalogenated Hydrocarbons by Interfacial Mechanochemical Reactions. <i>ACS Applied Materials & Interfaces</i> , 2017, 9, 3895-3901.	4.0	61
16	Performance and mechanism for extractive desulfurization of fuel oil using modified polyethylene glycol. <i>Fuel</i> , 2018, 233, 704-713.	3.4	60
17	Estimation of densities of ionic liquids using Patel–Teja equation of state and critical properties determined from group contribution method. <i>Chemical Engineering Science</i> , 2011, 66, 2690-2698.	1.9	58
18	Removal Mechanism of Thiophenic Compounds in Model Oil by Inorganic Lewis Acids. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 4682-4691.	1.8	54

#	ARTICLE	IF	CITATIONS
19	Vapor Pressure Measurement and Prediction for Ethanol + Methanol and Ethanol + Water Systems Containing Ionic Liquids. <i>Journal of Chemical & Engineering Data</i> , 2006, 51, 1755-1760.	1.0	53
20	Dibenzothiophene hydrodesulfurization over Ru promoted alumina based catalysts using in situ generated hydrogen. <i>Energy Conversion and Management</i> , 2011, 52, 1364-1370.	4.4	53
21	Efficient destruction of hexachlorobenzene by calcium carbide through mechanochemical reaction in a planetary ball mill. <i>Chemosphere</i> , 2017, 166, 275-280.	4.2	53
22	Ultrafast desulfurization of diesel oil with ionic liquid based PMoO catalysts and recyclable NaClO oxidant. <i>Chemical Engineering Journal</i> , 2020, 380, 122453.	6.6	52
23	Lattice vibration modes and thermal conductivity of potassium dihydrogen phosphate crystal studying by Raman spectroscopy. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2005, 116, 47-53.	1.7	50
24	Dibenzothiophene hydrodesulfurization using in situ generated hydrogen over Pd promoted alumina-based catalysts. <i>Fuel Processing Technology</i> , 2011, 92, 624-630.	3.7	48
25	Efficient separation of phenol from oil by acid-base complexing adsorption. <i>Chemical Engineering Journal</i> , 2015, 281, 749-758.	6.6	48
26	Polyacrylonitrile-based zwitterionic ultrafiltration membrane with improved anti-protein-fouling capacity. <i>Applied Surface Science</i> , 2014, 303, 399-405.	3.1	47
27	A carbonium pseudo ionic liquid with excellent extractive desulfurization performance. <i>AIChE Journal</i> , 2013, 59, 948-958.	1.8	46
28	Catalytic oxidation-extractive desulfurization for model oil using inorganic oxysalts as oxidant and Lewis acid-organic acid mixture as catalyst and extractant. <i>Applied Catalysis A: General</i> , 2013, 456, 67-74.	2.2	45
29	Correlation of infinite dilution activity coefficient of solute in ionic liquid using UNIFAC model. <i>Fluid Phase Equilibria</i> , 2008, 264, 235-241.	1.4	44
30	A Promising Ionic Liquid [BMIM][FeCl ₄] for the Extractive Separation of Aromatic and Aliphatic Hydrocarbons. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 533-539.	1.0	44
31	Density Prediction of Ionic Liquids at Different Temperatures and Pressures Using a Group Contribution Equation of State Based on Electrolyte Perturbation Theory. <i>Industrial & Engineering Chemistry Research</i> , 2010, 49, 4420-4425.	1.8	40
32	Alkynyl carbon materials as novel and efficient sorbents for the adsorption of mercury(II) from wastewater. <i>Journal of Environmental Sciences</i> , 2018, 68, 169-176.	3.2	40
33	Solubility of Hydrogen Chloride in Three 1-Alkyl-3-methylimidazolium Chloride Ionic Liquids in the Pressure Range (0 to 100) kPa and Temperature Range (298.15 to 363.15) K. <i>Journal of Chemical & Engineering Data</i> , 2012, 57, 2936-2941.	1.0	38
34	Unified Catalytic Oxidation-Adsorption Desulfurization Process Using Cumene Hydroperoxide as Oxidant and Vanadate Based Polyionic Liquid as Catalyst and Sorbent. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 10394-10403.	1.8	37
35	Synthesis of Cu-containing Layered Double Hydroxides with a Narrow Crystallite-size Distribution. <i>Clays and Clay Minerals</i> , 2003, 51, 566-569.	0.6	34
36	Surface Tension Measurements for Seven Imidazolium-Based Dialkylphosphate Ionic Liquids and Their Binary Mixtures with Water (Methanol or Ethanol) at 298.15 K and 1 atm. <i>Journal of Chemical & Engineering Data</i> , 2014, 59, 189-196.	1.0	33

#	ARTICLE	IF	CITATIONS
37	Preparation of C-MOx nanocomposite for efficient adsorption of heavy metal ions via mechanochemical reaction of CaC ₂ and transitional metal oxides. <i>Journal of Hazardous Materials</i> , 2020, 393, 122487.	6.5	33
38	Catalytic Oxidative Desulfurization of Fuel by H ₂ O ₂ In Situ Produced via Oxidation of 2-Propanol. <i>Industrial & Engineering Chemistry Research</i> , 2012, 51, 4868-4874.	1.8	32
39	Lipophilicity of amphiphilic phosphotungstates matters in catalytic oxidative desulfurization of oil by H ₂ O ₂ . <i>Fuel</i> , 2019, 253, 802-810.	3.4	30
40	Effect of ionic liquid 1-methylimidazolium chloride on the vapour liquid equilibrium of water, methanol, ethanol, and {water+ethanol} mixture. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 1748-1753.	1.0	29
41	Polyethylene glycol oligomers as green and efficient extractant for extractive catalytic oxidative desulfurization of diesel. <i>Fuel Processing Technology</i> , 2017, 158, 20-25.	3.7	29
42	Boiling temperature measurement for water, methanol, ethanol and their binary mixtures in the presence of a hydrochloric or acetic salt of mono-, di- or tri-ethanolamine at 101.3 kPa. <i>Journal of Chemical Thermodynamics</i> , 2009, 41, 167-170.	1.0	27
43	Orderly stacked ultrathin graphene oxide membranes on a macroporous tubular ceramic substrate. <i>Journal of Membrane Science</i> , 2019, 586, 177-184.	4.1	27
44	Effect of alkanolammonium formates ionic liquids on vapour liquid equilibria of binary systems containing water, methanol, and ethanol. <i>Journal of Chemical Thermodynamics</i> , 2012, 53, 167-175.	1.0	26
45	Functionalized assembly of solid membranes for chiral separation using polyelectrolytes and chiral ionic liquid. <i>AIChE Journal</i> , 2013, 59, 4772-4779.	1.8	23
46	Raman investigation of lattice vibration modes and thermal conductivity of Nd-doped zircon-type laser crystals. <i>Materials Science and Engineering B: Solid-State Materials for Advanced Technology</i> , 2003, 98, 156-160.	1.7	21
47	Adsorptivity of a Hyper Cross-Linked Ionic Polymer Poly(vinyl imidazole)-1,4-bis(chloromethyl)benzene for Thiophenic Sulfurs in Model Oil. <i>Energy & Fuels</i> , 2016, 30, 5035-5041.	2.5	20
48	Architecture and Electrochemical Performance of Alkynyl-Linked Naphthyl Carbon Skeleton: Naphyne. <i>ACS Applied Materials & Interfaces</i> , 2020, 12, 33076-33082.	4.0	20
49	Greatly enhanced reactivity of CaC ₂ with perchloro- hydrocarbons in a stirring ball mill for the manufacture of alkynyl carbon materials. <i>Chemical Engineering and Processing: Process Intensification</i> , 2018, 124, 261-268.	1.8	19
50	A low-cost crosslinked polystyrene derived from environmental wastes for adsorption of phenolic compounds from aqueous solution. <i>Journal of Molecular Liquids</i> , 2020, 314, 113641.	2.3	19
51	Structure and adsorptive property of carbon materials derived from thermal and mechanochemical reaction of CaC ₂ and chlorinated polymers. <i>Chemical Engineering Journal</i> , 2019, 372, 181-190.	6.6	18
52	Catalytic oxidative desulfurization mechanism in Lewis-Brønsted complex acid. <i>Applied Catalysis A: General</i> , 2013, 467, 187-195.	2.2	17
53	Efficient Catalysis of Calcium Carbide for the Synthesis of Isophorone from Acetone. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 5257-5262.	1.8	17
54	Effect of Quaternization on Structure and Adsorptivity of Hyper Cross-Linked Poly(vinyl imidazole) for Thiophenic Sulfurs in Model Oil. <i>Industrial & Engineering Chemistry Research</i> , 2016, 55, 8079-8086.	1.8	17

#	ARTICLE	IF	CITATIONS
55	Preparation of Mesoporous Carbon Materials through Mechanochemical Reaction of Calcium Carbide and Transition Metal Chlorides. <i>Industrial & Engineering Chemistry Research</i> , 2018, 57, 6180-6188.	1.8	17
56	Lattice vibration and absorbance of Er:Yb:YCOB single crystals. <i>Chemical Physics Letters</i> , 2003, 368, 269-275.	1.2	16
57	Extractive removal of both basic and non-basic nitrogens from fuel oil by dicarboxyl-modified polyethylene glycol: Performance and mechanism. <i>Fuel</i> , 2019, 254, 115626.	3.4	16
58	Superhydrophilic alkynyl carbon composite nanofiltration membrane for water purification. <i>Applied Surface Science</i> , 2020, 508, 144788.	3.1	16
59	Converting CO ₂ into an Oxygenated Alkynyl Carbon Material with High Electrochemical Performance through a Mechanochemical Reaction with CaC ₂ . <i>ACS Sustainable Chemistry and Engineering</i> , 2021, 9, 9221-9229.	3.2	16
60	Greener Production Process of Acetylene and Calcium Diglyceroxide via Mechanochemical Reaction of CaC ₂ and Glycerol. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 9560-9565.	3.2	15
61	Study of the ionic activity coefficients in aqueous electrolytes by the non-primitive mean spherical approximation equation. <i>Fluid Phase Equilibria</i> , 1996, 124, 99-110.	1.4	14
62	Structure of KNO ₃ electrolyte solutions: a Monte Carlo study. <i>Fluid Phase Equilibria</i> , 2004, 225, 1-11.	1.4	14
63	Acylation desulfurization of oil via reactive adsorption. <i>AIChE Journal</i> , 2013, 59, 2966-2976.	1.8	14
64	Poly(ethylene glycol) Diacid-Based Deep Eutectic Solvent with Excellent Denitrogenation Performance and Distinctive Extractive Behavior. <i>Energy & Fuels</i> , 2019, 33, 10380-10388.	2.5	14
65	Alkynyl functionalized MoS ₂ mesoporous materials with superb adsorptivity for heavy metal ions. <i>Journal of Hazardous Materials</i> , 2022, 424, 127579.	6.5	13
66	Effect of the Ionic Liquid Triethylmethylammonium Dimethylphosphate on the Vapor Pressure of Water, Methanol, Ethanol, and Their Binary Mixtures. <i>Journal of Chemical & Engineering Data</i> , 2011, 56, 1933-1940.	1.0	12
67	Effect of mono-, di- and tri-ethanolammonium tetrafluoroborate protonic ionic liquids on the volatility of water, ethanol, and methanol. <i>Fluid Phase Equilibria</i> , 2011, 303, 103-110.	1.4	12
68	Acylation desulfurization of heavy cracking oil as a supplementary oil upgrading pathway. <i>Fuel Processing Technology</i> , 2015, 130, 7-11.	3.7	12
69	Adsorptive Desulfurization of Diesel Oil by Alkynyl Carbon Materials Derived from Calcium Carbide and Polyhalohydrocarbons. <i>Energy & Fuels</i> , 2017, 31, 9035-9042.	2.5	12
70	Mechanochemical synthesis of oxygenated alkynyl carbon materials with excellent Hg(II) adsorption performance from CaC ₂ and carbonates. <i>Green Energy and Environment</i> , 2023, 8, 275-282.	4.7	12
71	Mechanochemical conversion of graphite to highly Cross-linked alkynyl carbon material as excellent mercury (II) sorbent. <i>Chemical Engineering Journal</i> , 2021, 415, 129009.	6.6	12
72	Peroxovanadic based core-shell bifunctional poly(ionic liquid)s catalyst CuO/SiO ₂ @V-PIL: Its in-situ free radical initiation mechanism for air oxidative desulfurization. <i>Fuel</i> , 2022, 310, 122430.	3.4	12

#	ARTICLE	IF	CITATIONS
73	Effect of mono-, di- and tri-ethanolammonium tetrafluoroborate protonic ionic liquids on vapour liquid equilibria of ethanol aqueous solution. <i>Journal of Chemical Thermodynamics</i> , 2011, 43, 452-457.	1.0	11
74	Polyacetylene carbon materials: facile preparation using $AlCl_3$ catalyst and excellent electrochemical performance for supercapacitors. <i>RSC Advances</i> , 2019, 9, 11986-11995.	1.7	11
75	Poly(ionic liquid)s based nano core-shell catalyst $SiO_2@V-PIL$ for efficient oxidative desulfurization of diesel. <i>Applied Catalysis A: General</i> , 2021, 616, 118096.	2.2	11
76	Application of chlorinated waste rubber as a flame retardant of low density polyethylene. <i>Journal of Applied Polymer Science</i> , 2012, 123, 3495-3502.	1.3	10
77	Gas Phase Conversion of Carbon Tetrachloride to Alkyl Chlorides Catalyzed by Supported Ionic Liquids. <i>Chinese Journal of Chemistry</i> , 2009, 27, 1741-1748.	2.6	8
78	Concentration of ionic liquids from aqueous ionic liquids solution using electro dialyzer. <i>Desalination and Water Treatment</i> , 2011, 34, 326-329.	1.0	8
79	The removal of aniline from wastewater by electro dialysis in the presence of hydrochloric acid. <i>Desalination and Water Treatment</i> , 2013, 51, 5155-5163.	1.0	8
80	Improving Anti-Protein-Fouling Property of Polyacrylonitrile Ultrafiltration Membrane by Grafting Sulfobetaine Zwitterions. <i>Journal of Chemistry</i> , 2014, 2014, 1-9.	0.9	8
81	Aldol condensation of refluxing acetone on CaC_2 achieves efficient coproduction of diacetone alcohol, mesityl oxide and isophorone. <i>RSC Advances</i> , 2018, 8, 30610-30615.	1.7	8
82	Efficient synthesis of alkynyl carbon materials derived from CaC_2 through solvent-free mechanochemical strategy for supercapacitors. <i>SN Applied Sciences</i> , 2019, 1, 1.	1.5	8
83	Molecular Dynamics Simulation of Hydration Structure of KNO_3 Electrolyte Solution. <i>Chinese Journal of Chemical Physics</i> , 2007, 20, 22-30.	0.6	7
84	Improvement of Hydrophobicity of Ionic Liquids by Partial Chlorination and Fluorination of the Cation. <i>Chinese Journal of Chemistry</i> , 2009, 27, 174-178.	2.6	7
85	Solubility of $NaHCO_3$ and NH_4HCO_3 in the Relevant Media and Prediction of High-Pressure Phase Equilibria for the $NH_3-CO_2-NaCl-H_2O$ System. <i>Journal of Chemical & Engineering Data</i> , 2017, 62, 4401-4410.	1.0	7
86	Preparation of Butyl Chloride from Butanol and Hydrochloric Acid Using Ionic Liquids as Catalyst. <i>Chinese Journal of Chemical Engineering</i> , 2008, 16, 151-154.	1.7	6
87	Removal of Thiophenic Sulfur Compounds from Oil Using Chlorinated Polymers and Lewis Acid Mixture via Adsorption and Friedel-Crafts Alkylation Reaction. <i>Chinese Journal of Chemical Engineering</i> , 2014, 22, 713-720.	1.7	6
88	A novel Sulfur-functionalized alkynyl carbon material for highly efficient removal of $Hg(II)$ from water. <i>Separation and Purification Technology</i> , 2022, 290, 120891.	3.9	6
89	Turn Hazardous Endosulfan into S-Doped Alkynyl Carbon Material for Energy Storage and $Hg(II)$ Adsorption via a Green Mechanochemical Process. <i>ACS Sustainable Chemistry and Engineering</i> , 2022, 10, 9216-9224.	3.2	5
90	Union production of low chlorinated polyethylene and chlorinated paraffin via a carbon tetrachloride solvent free process. <i>Journal of Applied Polymer Science</i> , 2009, 111, 63-69.	1.3	4

#	ARTICLE	IF	CITATIONS
91	Preparation of microporous particles of isotactic polypropylene via a thermally induced phaseseparation method. <i>Journal of Applied Polymer Science</i> , 2009, 111, 3050-3057.	1.3	4
92	Phase Transition of FeSO ₄ ·7H ₂ O to FeSO ₄ ·H ₂ O in the H ₂ SO ₄ -HCl-H ₂ O System by Modeling Solubility. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 2207-2219.	3.2	4
93	CuSiF ₆ (4,4'-bipyridine) ₂ , a Crystalline Complex with Excellent Adsorptivity for Thiophenic Sulfur Compounds in Model Oil. <i>Energy & Fuels</i> , 2018, 32, 696-702.	2.5	4
94	Steric effects of alkyl dibenzothiophenes: The root cause of frustrating efficacy of heterogeneous desulfurization for real diesel. <i>AIChE Journal</i> , 2022, 68, .	1.8	4
95	Representation of the nonideality of electrolyte solutions using the cluster expansion theory. <i>Fluid Phase Equilibria</i> , 2004, 218, 77-84.	1.4	3
96	Removal of Chloroform from Hydrochloride Acid Solution Using Fine Powder of Polymer as Adsorbent. <i>Chinese Journal of Chemistry</i> , 2009, 27, 768-772.	2.6	3
97	Unified production of chlorinated isotactic polypropylene and chlorinated paraffin via a solvent free chlorination process. <i>Polymer Engineering and Science</i> , 2009, 49, 1587-1593.	1.5	3
98	Reductive removal of gaseous nitrous oxide by activated carbon with metal oxide catalysts. <i>RSC Advances</i> , 2017, 7, 10407-10414.	1.7	3
99	A simple model for precisely describing liquid-liquid equilibrium and better understanding extraction mechanism. <i>AIChE Journal</i> , 2021, 67, .	1.8	3
100	Effect of Mono- and Di-ethanolammonium Formate Ionic Liquids on the Volatility of Water, Ethanol, and Methanol. <i>Chinese Journal of Chemical Engineering</i> , 2013, 21, 1162-1171.	1.7	2
101	Inclusion Phenomena between the ^β -Cyclodextrin Chiral Selector and Trp-D,L, and Its Use on the Assembly of Solid Membranes. <i>Journal of Nanomaterials</i> , 2013, 2013, 1-8.	1.5	2
102	Rapid spray-crosslinked assembly of a stable high-performance polyelectrolyte bipolar membrane. <i>RSC Advances</i> , 2017, 7, 36313-36318.	1.7	2
103	Spongy acetylenic carbon material prepared by ball milling CaC ₂ and chlorinated rubber - Its mercury adsorption and electrochemical property. <i>Chinese Journal of Chemical Engineering</i> , 2019, 27, 1988-1995.	1.7	2
104	Two-body integrals for hard sphere fluid in the first coordination layer. <i>Fluid Phase Equilibria</i> , 2002, 200, 217-225.	1.4	0
105	Two-body integrals for hard sphere fluid based on Tang-Lu RDF expression. <i>Fluid Phase Equilibria</i> , 2002, 201, 37-45.	1.4	0