

Haoran Li

List of Publications by Year in Descending Order

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Version: 2024-04-24

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

163
papers

8,761
citations

50
h-index

91
g-index

170
ext. papers

9,755
ext. citations

6.2
avg, IF

6.25
L-index

#	Paper	IF	Citations
163	Application of electron paramagnetic resonance in solution property. <i>Scientia Sinica Chimica</i> , 2022 , 52, 647-654	1.6	
162	Highly Efficient and Reversible Absorption and Oxidation of Low-Concentration Nitric Oxide by Functionalized Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 7154-7159	8.3	1
161	Dynamic Modification of Palladium Catalysts with Chain Alkylamines for the Selective Hydrogenation of Alkynes. <i>ACS Applied Materials & Interfaces</i> , 2021 , 13, 31775-31784	9.5	8
160	Selective Aerobic Oxidation of Secondary C (sp ³)-H Bonds with NHPI/CAN Catalytic System. <i>Catalysis Letters</i> , 2021 , 151, 1663-1669	2.8	4
159	1,5,7-Triazabicyclo[4.4.0]dec-5-ene Enhances Activity of Peroxide Intermediates in Phosphine-Free α -Hydroxylation of Ketones. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 6631-6638	16.4	5
158	1,5,7-Triazabicyclo[4.4.0]dec-5-ene Enhances Activity of Peroxide Intermediates in Phosphine-Free α -Hydroxylation of Ketones. <i>Angewandte Chemie</i> , 2021 , 133, 6705-6712	3.6	0
157	Highly efficient synthesis of alkylidene cyclic carbonates from low concentration CO ₂ using hydroxyl and azolate dual functionalized ionic liquids. <i>Green Chemistry</i> , 2021 , 23, 592-596	10	8
156	Aerobic α -hydroxylation of 2-Me-1-tetralone in 1-alkyl-3-methylimidazolium ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2021 , 23, 5864-5869	3.6	1
155	Ultrahigh Nitric Oxide Capture by Tetrakis(azolyl)borate Ionic Liquid through Multiple-Sites Uniform Interaction. <i>ACS Sustainable Chemistry and Engineering</i> , 2021 , 9, 3357-3362	8.3	5
154	Special Mixing Behavior of Chelate-based Ionic Liquid with Methanol. <i>ChemPhysChem</i> , 2021 , 22, 2050-2057	5.7	1
153	Catalytic oxidation of β -substituted cyclohexanone with steric hindrance to 6-oxohexanoic acid involved during the total synthesis of (+)-biotin. <i>Applied Catalysis A: General</i> , 2021 , 624, 118304	5.1	1
152	One-pot Baeyer-Villiger oxidation of cyclohexanone with in situ generated hydrogen peroxide over Sn-Beta zeolites. <i>Green Chemical Engineering</i> , 2021 , 2, 294-300	3	0
151	Phase and Chemical Equilibria of Biphasic Protic Ionic Liquid: Triethylamine/ α -Acetic Acid. <i>Industrial & Engineering Chemistry Research</i> , 2021 , 60, 13719-13726	3.9	0
150	Design and tuning of ionic liquid-based HNO donor through intramolecular hydrogen bond for efficient inhibition of tumor growth. <i>Science Advances</i> , 2020 , 6,	14.3	11
149	Distribution of Spin Density on Phenoxy Radicals Affects the Selectivity of Aerobic Oxygenation of Phenols. <i>Inorganic Chemistry</i> , 2020 , 59, 3562-3569	5.1	2
148	Highly Efficient and Reversible Nitric Oxide Capture by Functionalized Ionic Liquids through Multiple-Site Absorption. <i>ACS Sustainable Chemistry and Engineering</i> , 2020 , 8, 2990-2995	8.3	12
147	ϵ -Caprolactone manufacture via efficient coupling Baeyer-Villiger oxidation with aerobic oxidation of alcohols. <i>Molecular Catalysis</i> , 2020 , 490, 110947	3.3	1

146	Efficient capture of CO ₂ from flue gas at high temperature by tunable polyamine-based hybrid ionic liquids. <i>AIChE Journal</i> , 2020 , 66, e16779	3.6	9
145	Physicochemical Properties of the Binary Mixtures of CuII-Containing Chelate-Based Ionic Liquids with Linear Alcohols. <i>Industrial & Engineering Chemistry Research</i> , 2020 , 59, 897-904	3.9	6
144	Effects of ionicity and chain structure on the physicochemical properties of protic ionic liquids. <i>AIChE Journal</i> , 2020 , 66, e16982	3.6	4
143	Electron paramagnetic resonance studies of the chelate-based ionic liquid in different solvents. <i>Green Energy and Environment</i> , 2020 , 5, 341-346	5.7	9
142	Structural and electronic properties of Cu, Co, and Ni-containing chelate-based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 11417-11430	3.6	2
141	Density, Viscosity, Electrical Conductivity, and Surface Tension of Chelate-Based Ionic Liquids [C10mim][M(hfac)3] (M = Co, Ni, Cu) at Different Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 4264-4271	2.8	7
140	Oxidation of KA oil to caprolactone with molecular oxygen using N-hydroxyphthalimide-mediated Ce(NH ₄) ₂ (NO ₃) ₆ catalyst. <i>Molecular Catalysis</i> , 2019 , 467, 24-29	3.3	4
139	Tuning the Capture of CO through Entropic Effect Induced by Reversible Trans-Cis Isomerization of Light-Responsive Ionic Liquids. <i>Journal of Physical Chemistry Letters</i> , 2019 , 10, 3346-3351	6.4	9
138	Restricting Effect of Solvent Aggregates on Distribution and Mobility of CuCl ₂ in Homogenous Catalysis. <i>ACS Catalysis</i> , 2019 , 9, 6588-6595	13.1	10
137	Insight into 2,3,6-Trimethylphenol oxidation by comparing the difference between cupric acetate and cupric chloride catalysis. <i>Molecular Catalysis</i> , 2019 , 472, 10-16	3.3	5
136	Selective One-Step Aerobic Oxidation of Cyclohexane to ϵ -Caprolactone Mediated by N-Hydroxyphthalimide (NHPI). <i>ChemCatChem</i> , 2019 , 11, 2260-2264	5.2	14
135	The Polarity of Ionic Liquids: Relationship between Relative Permittivity and Spectroscopic Parameters of Probe. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 7352-7361	3.9	12
134	Significantly Enhanced Carbon Dioxide Capture by Anion-Functionalized Liquid Pillar[5]arene through Multiple-Site Interactions. <i>Industrial & Engineering Chemistry Research</i> , 2019 , 58, 16894-16900	3.9	5
133	A mutually stabilized host-guest pair. <i>Science Advances</i> , 2019 , 5, eaax6707	14.3	2
132	A DFT investigation exploring the influence of lone electron pair on hyperfine structures of N-centered radicals. <i>Chemical Physics</i> , 2019 , 517, 13-23	2.3	2
131	Highly Efficient Synthesis of Quinazoline-2,4(1H,3H)-diones from CO ₂ by Hydroxyl Functionalized Aprotic Ionic Liquids. <i>ACS Sustainable Chemistry and Engineering</i> , 2018 , 6, 5760-5765	8.3	34
130	Highly uniform Ru nanoparticles over N-doped carbon: pH and temperature-universal hydrogen release from water reduction. <i>Energy and Environmental Science</i> , 2018 , 11, 800-806	35.4	286
129	Equilibrium in Protic Ionic Liquids: The Degree of Proton Transfer and Thermodynamic Properties. <i>Journal of Physical Chemistry B</i> , 2018 , 122, 309-315	3.4	22

128	The synergic effects at the molecular level in CoS ₂ for selective hydrogenation of nitroarenes. <i>Green Chemistry</i> , 2018 , 20, 671-679	10	39
127	Empirical study of physicochemical and spectral properties of Cu-containing chelate-based ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 4109-4117	3.6	9
126	A relay identification fluorescence probe for Fe and phosphate anion and its applications. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2018 , 191, 172-179	4.4	21
125	Design of Betaine Functional Catalyst for Efficient Copolymerization of Oxirane and CO ₂ . <i>Macromolecules</i> , 2018 , 51, 6057-6062	5.5	9
124	N-Hydroxyphthalimide (NHPI) Promoted Aerobic Baeyer-Villiger Oxidation in the Presence of Aldehydes. <i>ChemCatChem</i> , 2018 , 10, 4947-4952	5.2	10
123	Aerobic Oxidation of 2-Methoxy-4-methylphenol to Vanillin Catalyzed by Cobalt/NaOH: Identification of CoOx(OH) _y Nanoparticles as the True Catalyst. <i>ACS Catalysis</i> , 2018 , 8, 9103-9114	13.1	5
122	A Designed TEMPO-derivate Catalyst with Switchable Signals of EPR and Photoluminescence: Application in the Mechanism of Alcohol Oxidation. <i>ChemCatChem</i> , 2018 , 10, 3513-3519	5.2	1
121	Distinguishing ionic and radical mechanisms of hydroxylamine mediated electrocatalytic alcohol oxidation using NO-H bond dissociation energies. <i>Physical Chemistry Chemical Physics</i> , 2018 , 20, 28249-28256	3.6	6
120	Insight into the Role of Additives in Catalytic Synthesis of Cyclohexylamine from Nitrobenzene. <i>Chinese Journal of Chemistry</i> , 2018 , 36, 1191-1196	4.9	17
119	Magnetic nano-structured cobalt/cobalt oxide/nitrogen-doped carbon material as an efficient catalyst for aerobic oxidation of p -cresols. <i>Molecular Catalysis</i> , 2018 , 453, 121-131	3.3	21
118	Coulombic-enhanced hetero radical pairing interactions. <i>Nature Communications</i> , 2018 , 9, 1961	17.4	21
117	Ionicity of Protic Ionic Liquid: Quantitative Measurement by Spectroscopic Methods. <i>Journal of Physical Chemistry B</i> , 2017 , 121, 1372-1376	3.4	42
116	Insight into the Co(II)/NaOH and Cu(II)/NaOH catalytic oxidation of 4-methyl guaiacol: Structures of catalysts and reaction pathways. <i>Molecular Catalysis</i> , 2017 , 428, 24-32	3.3	5
115	Kinetic studies on the liquid-phase catalytic oxidation of 4-methyl guaiacol to vanillin. <i>Canadian Journal of Chemical Engineering</i> , 2017 , 95, 1544-1553	2.3	9
114	Modification of the Onsager Reaction Field and Its Application on Spectral Parameters. <i>ChemPhysChem</i> , 2017 , 18, 763-771	3.2	7
113	PdZn intermetallic on a CN@ZnO hybrid as an efficient catalyst for the semihydrogenation of alkynols. <i>Journal of Catalysis</i> , 2017 , 350, 13-20	7.3	38
112	Highly Efficient CO ₂ Capture by Imidazolium Ionic Liquids through a Reduction in the Formation of the Carbene-CO ₂ Complex. <i>Industrial & Engineering Chemistry Research</i> , 2017 , 56, 8066-8072	3.9	14
111	Designing an anion-functionalized fluorescent ionic liquid as an efficient and reversible turn-off sensor for detecting SO ₂ . <i>Chemical Communications</i> , 2017 , 53, 3862-3865	5.8	45

110	Anion-Functionalized Pillararenes for Efficient Sulfur Dioxide Capture: Significant Effect of the Anion and the Cavity. <i>Chemistry - A European Journal</i> , 2017 , 23, 14143-14148	4.8	7
109	Landscape of the structure-O-H bond dissociation energy relationship of oximes and hydroxylamines. <i>Physical Chemistry Chemical Physics</i> , 2017 , 19, 22309-22320	3.6	8
108	3D-interconnected hierarchical porous N-doped carbon supported ruthenium nanoparticles as an efficient catalyst for toluene and quinoline hydrogenation. <i>Green Chemistry</i> , 2016 , 18, 6082-6090	10	90
107	Reversible CO ₂ Capture by Conjugated Ionic Liquids through Dynamic Covalent Carbon-Oxygen Bonds. <i>ChemSusChem</i> , 2016 , 9, 2351-7	8.3	17
106	Highly Efficient Nitric Oxide Capture by Azole-Based Ionic Liquids through Multiple-Site Absorption. <i>Angewandte Chemie</i> , 2016 , 128, 14576-14580	3.6	7
105	Computer-Assisted Design of Ionic Liquids for Efficient Synthesis of 3(2H)-Furanones: A Domino Reaction Triggered by CO. <i>Journal of the American Chemical Society</i> , 2016 , 138, 14198-14201	16.4	52
104	Reactivity and mechanism investigation of selective hydrogenation of 2,3,5-trimethylbenzoquinone on in situ generated metallic cobalt. <i>Catalysis Science and Technology</i> , 2016 , 6, 4503-4510	5.5	14
103	Kinetics of Isophorone Synthesis via Self-Condensation of Supercritical Acetone. <i>Chemical Engineering and Technology</i> , 2016 , 39, 1867-1874	2	4
102	Role of alkali in catalytic oxidation of p-cresols. <i>Journal of Molecular Catalysis A</i> , 2016 , 420, 45-49		10
101	Tuning the basicity of ionic liquids for efficient synthesis of alkylidene carbonates from CO ₂ at atmospheric pressure. <i>Chemical Communications</i> , 2016 , 52, 7830-3	5.8	58
100	Recent progress in studies on polarity of ionic liquids. <i>Science China Chemistry</i> , 2016 , 59, 517-525	7.9	21
99	Nitrogen-doped porous carbon materials: promising catalysts or catalyst supports for heterogeneous hydrogenation and oxidation. <i>Catalysis Science and Technology</i> , 2016 , 6, 3670-3693	5.5	202
98	The capture and simultaneous fixation of CO ₂ in the simulation of fuel gas by bifunctionalized ionic liquids. <i>International Journal of Hydrogen Energy</i> , 2016 , 41, 9175-9182	6.7	18
97	Structures and Electronic Properties of Lithium Chelate-Based Ionic Liquids. <i>Journal of Physical Chemistry B</i> , 2016 , 120, 3904-13	3.4	9
96	Highly Efficient Nitric Oxide Capture by Azole-Based Ionic Liquids through Multiple-Site Absorption. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 14364-14368	16.4	61
95	In Situ-Generated Co ⁰ -Co ₃ O ₄ /N-Doped Carbon Nanotubes Hybrids as Efficient and Chemoselective Catalysts for Hydrogenation of Nitroarenes. <i>ACS Catalysis</i> , 2015 , 5, 4783-4789	13.1	290
94	Ni-promoted synthesis of graphitic carbon nanotubes from in situ produced graphitic carbon for dehydrogenation of ethylbenzene. <i>Chemical Communications</i> , 2015 , 51, 12859-62	5.8	43
93	Diverse catalytic efficiency of nitroxyl radicals tuned by Lewis acids in the oxidation of hydrocarbons. <i>Catalysis Communications</i> , 2015 , 67, 31-34	3.2	3

92	Theoretical studies on the proton-transfer reactions in propylene and pentadiene derivatives. <i>Structural Chemistry</i> , 2015 , 26, 587-597	1.8	1
91	RuPd Alloy Nanoparticles Supported on N-Doped Carbon as an Efficient and Stable Catalyst for Benzoic Acid Hydrogenation. <i>ACS Catalysis</i> , 2015 , 5, 3100-3107	13.1	118
90	Designing of anion-functionalized ionic liquids for efficient capture of SO ₂ from flue gas. <i>AIChE Journal</i> , 2015 , 61, 2028-2034	3.6	91
89	Efficient metal-free oxidation of ethylbenzene with molecular oxygen utilizing the synergistic combination of NHPI analogues. <i>Journal of Molecular Catalysis A</i> , 2015 , 402, 79-82		26
88	Structure-reactivity landscape of N-hydroxyphthalimides with ionic-pair substituents as organocatalysts in aerobic oxidation. <i>Journal of Catalysis</i> , 2015 , 331, 76-85	7.3	16
87	Molybdenum-Carbide-Modified Nitrogen-Doped Carbon Vesicle Encapsulating Nickel Nanoparticles: A Highly Efficient, Low-Cost Catalyst for Hydrogen Evolution Reaction. <i>Journal of the American Chemical Society</i> , 2015 , 137, 15753-9	16.4	350
86	Graphitic carbon nitride polymers: promising catalysts or catalyst supports for heterogeneous oxidation and hydrogenation. <i>Green Chemistry</i> , 2015 , 17, 715-736	10	216
85	Highly efficient and chemoselective hydrogenation of α,β -unsaturated carbonyls over Pd/N-doped hierarchically porous carbon. <i>Catalysis Science and Technology</i> , 2015 , 5, 397-404	5.5	63
84	Synthesis of Mesoporous Fe ₂ N/C Materials with High Catalytic Performance in the Oxygen Reduction Reaction. <i>ChemCatChem</i> , 2015 , 7, 2937-2944	5.2	18
83	Elucidating Interactions between DMSO and Chelate-Based Ionic Liquids. <i>ChemPhysChem</i> , 2015 , 16, 3836-41	5.41	7
82	The Effect of C ₄ H and C ₅ H on the Microstructure of Aqueous Solutions of 1-Alkyl-3-methylimidazolium Tetrafluoroborate Ionic Liquids. <i>ChemPhysChem</i> , 2015 , 16, 2861-2867	3.2	6
81	The relationships of catalytic activity of metal Schiff base catalysts and the Hammett constants of their anionic substituents on ligand. <i>Journal of Physical Organic Chemistry</i> , 2015 , 28, 570-574	2.1	4
80	Design and fabrication of hierarchically porous carbon with a template-free method. <i>Scientific Reports</i> , 2014 , 4, 6349	4.9	65
79	Theoretical design of multi-nitroxyl organocatalysts with enhanced reactivity for aerobic oxidation. <i>ChemPhysChem</i> , 2014 , 15, 1673-80	3.2	16
78	Nitrogen-doped hollow carbon hemispheres as efficient metal-free electrocatalysts for oxygen reduction reaction in alkaline medium. <i>Journal of Materials Chemistry A</i> , 2014 , 2, 605-609	13	77
77	Metal-free allylic/benzylic oxidation strategies with molecular oxygen: recent advances and future prospects. <i>Green Chemistry</i> , 2014 , 16, 2344	10	157
76	Effect of the Temperature and Coordination Atom on the Physicochemical Properties of Chelate-Based Ionic Liquids and Their Binary Mixtures with Water. <i>Journal of Chemical & Engineering Data</i> , 2014 , 59, 3960-3968	2.8	14
75	Cross-linked reverse micelles with embedded water pools: a novel catalytic system based on amphiphilic block copolymers. <i>RSC Advances</i> , 2014 , 4, 38234-38240	3.7	8

74	Unexpected oxidation of Bisphorone with molecular oxygen promoted by TEMPO. <i>RSC Advances</i> , 2014 , 4, 15590	3.7	9
73	Ultrafinely dispersed Pd nanoparticles on a CN@MgO hybrid as a bifunctional catalyst for upgrading bioderived compounds. <i>Green Chemistry</i> , 2014 , 16, 4371-4377	10	34
72	Hydrogenation of Benzoic Acid and Derivatives over Pd Nanoparticles Supported on N-Doped Carbon Derived from Glucosamine Hydrochloride. <i>ACS Catalysis</i> , 2014 , 4, 3132-3135	13.1	88
71	Highly efficient CO ₂ capture by carbonyl-containing ionic liquids through Lewis acid-base and cooperative C-H⋯ hydrogen bonding interaction strengthened by the anion. <i>Chemical Communications</i> , 2014 , 50, 15041-4	5.8	56
70	Highly efficient SO ₂ capture by phenyl-containing azole-based ionic liquids through multiple-site interactions. <i>Green Chemistry</i> , 2014 , 16, 1211-1216	10	81
69	Significant improvements in CO ₂ capture by pyridine-containing anion-functionalized ionic liquids through multiple-site cooperative interactions. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 7053-7	16.4	224
68	Controlled synthesis of sustainable N-doped hollow core-mesoporous shell carbonaceous nanospheres from biomass. <i>Nano Research</i> , 2014 , 7, 1809-1819	10	50
67	Significant Improvements in CO ₂ Capture by Pyridine-Containing Anion-Functionalized Ionic Liquids through Multiple-Site Cooperative Interactions. <i>Angewandte Chemie</i> , 2014 , 126, 7173-7177	3.6	46
66	Mass Transfer Reaction Kinetics of Bisphorone Oxidation by Air in an Agitator Bubbling Reactor. <i>Chemical Engineering and Technology</i> , 2014 , 37, 1797-1804	2	3
65	The strategies for improving carbon dioxide chemisorption by functionalized ionic liquids. <i>RSC Advances</i> , 2013 , 3, 15518	3.7	108
64	Tuning anion-functionalized ionic liquids for improved SO ₂ capture. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 10620-4	16.4	134
63	Highly efficient SO ₂ capture through tuning the interaction between anion-functionalized ionic liquids and SO ₂ . <i>Chemical Communications</i> , 2013 , 49, 1166-8	5.8	109
62	Theoretical studies on multi-hydroxyimides as highly efficient catalysts for aerobic oxidation. <i>ChemPhysChem</i> , 2013 , 14, 179-84	3.2	22
61	Mesoporous nitrogen-doped carbon for copper-mediated Ullmann-type C-D/N/S cross-coupling reactions. <i>RSC Advances</i> , 2013 , 3, 1890-1895	3.7	50
60	Highly selective Pd@mpg-C ₃ N ₄ catalyst for phenol hydrogenation in aqueous phase. <i>RSC Advances</i> , 2013 , 3, 10973	3.7	114
59	Electronic effect of ionic-pair substituents. <i>Journal of Physical Organic Chemistry</i> , 2013 , 26, 460-466	2.1	4
58	Selective oxidation of benzene to phenol by FeCl ₃ /mpg-C ₃ N ₄ hybrids. <i>RSC Advances</i> , 2013 , 3, 5121	3.7	79
57	Tuning Anion-Functionalized Ionic Liquids for Improved SO ₂ Capture. <i>Angewandte Chemie</i> , 2013 , 125, 10814-10818	3.6	38

56	Tuning the physicochemical properties of diverse phenolic ionic liquids for equimolar CO ₂ capture by the substituent on the anion. <i>Chemistry - A European Journal</i> , 2012 , 18, 2153-60	4.8	174
55	Metal-free oxidation of sulfides by carbon nitride with visible light illumination at room temperature. <i>Green Chemistry</i> , 2012 , 14, 1904	10	109
54	Density, Viscosity, and Refractive Index Properties for the Binary Mixtures of n-Butylammonium Acetate Ionic Liquid + Alkanols at Several Temperatures. <i>Journal of Chemical & Engineering Data</i> , 2012 , 57, 298-308	2.8	63
53	A cobalt Schiff base with ionic substituents on the ligand as an efficient catalyst for the oxidation of 4-methyl guaiaicol to vanillin. <i>Green Chemistry</i> , 2012 , 14, 2894	10	35
52	Highly efficient SO ₂ capture by dual functionalized ionic liquids through a combination of chemical and physical absorption. <i>Chemical Communications</i> , 2012 , 48, 2633-5	5.8	153
51	Ionic liquids with metal chelate anions. <i>Chemical Communications</i> , 2012 , 48, 2334-6	5.8	107
50	Infrared spectroscopic study on chemical and phase equilibrium in triethylammonium acetate. <i>Science China Chemistry</i> , 2012 , 55, 1688-1694	7.9	16
49	Highly efficient CO ₂ capture by tunable alkanolamine-based ionic liquids with multidentate cation coordination. <i>Chemical Communications</i> , 2012 , 48, 6526-8	5.8	86
48	Acetylacetonemetal catalyst modified by pyridinium salt group applied to the NHPI-catalyzed oxidation of cholesteryl acetate. <i>Catalysis Science and Technology</i> , 2011 , 1, 1133	5.5	19
47	Highly efficient and reversible SO ₂ capture by tunable azole-based ionic liquids through multiple-site chemical absorption. <i>Journal of the American Chemical Society</i> , 2011 , 133, 11916-9	16.4	306
46	Synthesis of boron doped polymeric carbon nitride solids and their use as metal-free catalysts for aliphatic C-H bond oxidation. <i>Chemical Science</i> , 2011 , 2, 446-450	9.4	345
45	Visible-Light-Induced Metal-Free Allylic Oxidation Utilizing a Coupled Photocatalytic System of g-C ₃ N ₄ and N-Hydroxy Compounds. <i>Advanced Synthesis and Catalysis</i> , 2011 , 353, 1447-1451	5.6	101
44	Tuning the Basicity of Ionic Liquids for Equimolar CO ₂ Capture. <i>Angewandte Chemie</i> , 2011 , 123, 5020-5024	3.4	99
43	Tuning the basicity of ionic liquids for equimolar CO ₂ capture. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 4918-22	16.4	517
42	Probing electron density of H-bonding between cation-anion of imidazolium-based ionic liquids with different anions by vibrational spectroscopy. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 2828-33	3.4	106
41	Metal and solvent-free oxidation of isophorone to ketoisophorone by molecular oxygen. <i>Catalysis Communications</i> , 2010 , 11, 758-762	3.2	24
40	Reversible and robust CO ₂ capture by equimolar task-specific ionic liquid/superbase mixtures. <i>Green Chemistry</i> , 2010 , 12, 870	10	172
39	Equimolar CO ₂ capture by imidazolium-based ionic liquids and superbase systems. <i>Green Chemistry</i> , 2010 , 12, 2019	10	190

38	Direct UV-spectroscopic measurement of selected ionic-liquid vapors. <i>Physical Chemistry Chemical Physics</i> , 2010 , 12, 7246-50	3.6	62
37	Correlation Analysis of the Substituent Electronic Effects on the Allylic H-Abstraction in Cyclohexene by Phthalimide-N-oxyl Radicals: a DFT Study. <i>Journal of Physical Chemistry B</i> , 2010 , 114, 4862-4869	3.4	36
36	Adsorption and Activation of O ₂ on Nitrogen-Doped Carbon Nanotubes. <i>Journal of Physical Chemistry C</i> , 2010 , 114, 9603-9607	3.8	148
35	Microscopic structures of ionic liquids 1-ethyl-3-methylimidazolium tetrafluoroborate in water probed by the relative chemical shift. <i>Science China Chemistry</i> , 2010 , 53, 1561-1565	7.9	24
34	Carbon dioxide capture by superbase-derived protic ionic liquids. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 5978-81	16.4	383
33	The structural organization in aqueous solutions of ionic liquids. <i>AIChE Journal</i> , 2009 , 55, 198-205	3.6	34
32	Synthesis and characterization of poly(dimethylamino ethyl methacrylate)- <i>b</i> -poly(ethylene oxide)- <i>b</i> -poly(dimethylamino ethyl methacrylate) triblock copolymers. <i>Journal of Applied Polymer Science</i> , 2009 , 114, 1551-1556	2.9	6
31	Comparison of the blue-shifted C-D stretching vibrations for DMSO-d(6) in imidazolium-based room temperature ionic liquids and in water. <i>Journal of Physical Chemistry B</i> , 2009 , 113, 5978-84	3.4	64
30	An environmentally benign catalytic oxidation of cholesteryl acetate with molecular oxygen by using N-hydroxyphthalimide. <i>Green Chemistry</i> , 2009 , 11, 2013	10	26
29	Solvent-free synthesis of unsaturated ketones by the Saucy-Marbet reaction using simple ammonium ionic liquid as a catalyst. <i>Green Chemistry</i> , 2009 , 11, 843	10	59
28	Effects of ionic liquids on the oxidation of 2,3,6-trimethylphenol to trimethyl-1,4-benzoquinone under atmospheric oxygen. <i>Catalysis Communications</i> , 2009 , 10, 725-727	3.2	30
27	Iron chloride supported on pyridine-modified mesoporous silica: an efficient and reusable catalyst for the allylic oxidation of olefins with molecular oxygen. <i>Green Chemistry</i> , 2008 , 10, 827	10	39
26	A mild and efficient oxidation of 2,3,6-trimethylphenol to trimethyl-1,4-benzoquinone in ionic liquids. <i>Catalysis Communications</i> , 2008 , 9, 1979-1981	3.2	21
25	Prediction of the solvation and structural properties of ionic liquids in water by two-dimensional correlation spectroscopy. <i>Journal of Physical Chemistry B</i> , 2008 , 112, 6411-9	3.4	181
24	Characterizing the structural properties of N,N-dimethylformamide-based ionic liquid: density-functional study. <i>Journal of Physical Chemistry B</i> , 2007 , 111, 11016-20	3.4	41
23	Synthesis and characterization of thermo- and pH-sensitive block copolymers bearing a biotin group at the poly(ethylene oxide) chain end. <i>Journal of Applied Polymer Science</i> , 2006 , 102, 3552-3558	2.9	12
22	Preparation of simple ammonium ionic liquids and their application in the cracking of dialkoxypropanes. <i>Green Chemistry</i> , 2006 , 8, 603	10	116
21	Novel quaternary ammonium ionic liquids and their use as dual solvent-catalysts in the hydrolytic reaction. <i>Green Chemistry</i> , 2006 , 8, 96-99	10	151

20	Preparation of dialkoxypropanes in simple ammonium ionic liquids. <i>Green Chemistry</i> , 2006 , 8, 1076	10	27
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