

Jian Sun

List of Publications by Year in descending order

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136
papers

9,757
citations

36203

51
h-index

38300

95
g-index

150
all docs

150
docs citations

150
times ranked

8708
citing authors

#	ARTICLE	IF	CITATIONS
1	Separation of chitin from shrimp shells enabled by transition metal salt aqueous solution and ionic liquid. Chinese Journal of Chemical Engineering, 2023, 53, 133-141.	1.7	5
2	Lignin derived absorbent for efficient and sustainable CO ₂ capture. Chinese Journal of Chemical Engineering, 2023, 54, 89-97.	1.7	2
3	Fabrication of potassium ion decorated 1D/2D g-C ₃ N ₄ /g-C ₃ N ₄ homojunction enabled by dual-ions synergistic strategy for enhanced photocatalytic activity towards degradation of organic pollutants. Applied Surface Science, 2022, 575, 151695.	3.1	19
4	One-pot ethanol production under optimized pretreatment conditions using agave bagasse at high solids loading with low-cost biocompatible protic ionic liquid. Green Chemistry, 2022, 24, 207-217.	4.6	13
5	Hollow polymeric ionic liquid spheres with hierarchical electron distribution: A novel composite of g-C ₃ N ₄ for visible light photocatalytic water splitting enhancement. Chemical Engineering Journal, 2022, 440, 135625.	6.6	20
6	Rapid adsorption of dyes from aqueous solutions by modified lignin derived superparamagnetic composites. Journal of Molecular Structure, 2022, 1261, 132954.	1.8	27
7	Efficient demethylation of lignin for polyphenol production enabled by low-cost bifunctional protic ionic liquid under mild and halogen-free conditions. Chemical Engineering Journal, 2022, 443, 136486.	6.6	25
8	Fabrication of Stable Cu-Ce Catalyst with Active Interfacial Sites for NO _x Elimination by Flame Spray Pyrolysis. Catalysts, 2022, 12, 432.	1.6	3
9	Chitin-Based Carbon Dots with Tunable Photoluminescence for Fe ³⁺ Detection. ACS Applied Nano Materials, 2022, 5, 7502-7511.	2.4	14
10	Tandem Reactions over Zeolite-Based Catalysts in Syngas Conversion. ACS Central Science, 2022, 8, 1047-1062.	5.3	18
11	Ionothermal synthesis of carbon dots from cellulose in deep eutectic solvent: A sensitive probe for detecting Cu ²⁺ and glutathione with "off-on" pattern. Applied Surface Science, 2022, 599, 153705.	3.1	11
12	Roles of Ionic Liquids in Adjusting Nature of Ionogels: A Mini Review. Advanced Functional Materials, 2022, 32, .	7.8	71
13	Fe Doped Bimodal Macro/Mesoporous Nickel-Based Catalysts for CO ₂ "CH ₄ Reforming. Industrial & Engineering Chemistry Research, 2022, 61, 10347-10356.	1.8	6
14	Multidimensional (0D-3D) functional nanocarbon: Promising material to strengthen the photocatalytic activity of graphitic carbon nitride. Green Energy and Environment, 2021, 6, 823-845.	4.7	40
15	A comprehensive study on ozone pollution in a megacity in North China Plain during summertime: Observations, source attributions and ozone sensitivity. Environment International, 2021, 146, 106279.	4.8	26
16	Towards the development of the emerging process of CO ₂ heterogenous hydrogenation into high-value unsaturated heavy hydrocarbons. Chemical Society Reviews, 2021, 50, 10764-10805.	18.7	161
17	Flame-made Cu/ZrO ₂ catalysts with metastable phase and strengthened interactions for CO ₂ hydrogenation to methanol. Chemical Communications, 2021, 57, 7509-7512.	2.2	25
18	Facile synthesis of self-healing and layered sodium alginate/polyacrylamide hydrogel promoted by dynamic hydrogen bond. Carbohydrate Polymers, 2021, 256, 117580.	5.1	133

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19	Tunable Synthesis of Ethanol or Methyl Acetate via Dimethyl Oxalate Hydrogenation on Confined Iron Catalysts. ACS Catalysis, 2021, 11, 4908-4919.	5.5	15
20	Characterization of lignin streams during ionic liquid/hydrochloric acid/formaldehyde pretreatment of corn stalk. Bioresource Technology, 2021, 331, 125064.	4.8	13
21	Insight into the Morphology-Dependent Catalytic Performance of CuO/CeO ₂ Produced by Tannic Acid for Efficient Hydrogenation of 4-Nitrophenol. Chemistry - an Asian Journal, 2021, 16, 3371-3384.	1.7	3
22	Chemical source profiles of particulate matter and gases emitted from solid fuels for residential cooking and heating scenarios in Qinghai-Tibetan Plateau. Environmental Pollution, 2021, 285, 117503.	3.7	21
23	Controllable conversion of shrimp shells into chitin or derived carbon material using acidic deep eutectic solvent. International Journal of Biological Macromolecules, 2021, 193, 347-357.	3.6	13
24	Ultra-high thermal stability of sputtering reconstructed Cu-based catalysts. Nature Communications, 2021, 12, 7209.	5.8	36
25	Synthesis and modification of biomass derived carbon dots in ionic liquids and their application: A mini review. Green Chemical Engineering, 2020, 1, 94-108.	3.3	38
26	One-Pass Hydrogenation of CO ₂ to Multibranched Isoparaffins over Bifunctional Zeolite-Based Catalysts. ACS Catalysis, 2020, 10, 14186-14194.	5.5	54
27	Stabilizing Cu ⁺ in Cu/SiO ₂ Catalysts with a Shattuckite-Like Structure Boosts CO ₂ Hydrogenation into Methanol. ACS Catalysis, 2020, 10, 14694-14706.	5.5	129
28	Interfacing with Carbonaceous Potassium Promoters Boosts Catalytic CO ₂ Hydrogenation of Iron. ACS Catalysis, 2020, 10, 12098-12108.	5.5	101
29	Ionic Liquids-Promoted Electrocatalytic Reduction of Carbon Dioxide. Industrial & Engineering Chemistry Research, 2020, 59, 20235-20252.	1.8	30
30	Fabrication of Ni-Based Bimodal Porous Catalyst for Dry Reforming of Methane. Catalysts, 2020, 10, 1220.	1.6	8
31	Immobilized laccase on magnetic nanoparticles for enhanced lignin model compounds degradation. Chinese Journal of Chemical Engineering, 2020, 28, 2152-2159.	1.7	29
32	Hydrogen bond promoted thermal stability enhancement of acetate based ionic liquid. Chinese Journal of Chemical Engineering, 2020, 28, 1293-1301.	1.7	11
33	One-pot construction of chitin-derived carbon/g-C ₃ N ₄ heterojunction for the improvement of visible-light photocatalysis. Applied Surface Science, 2020, 527, 146737.	3.1	38
34	Pretreatment and Conversion of Shrimp/Crab Shells into High-Value Products with Ionic Liquids. , 2020, , 1-14.		0
35	From hydrophilic to hydrophobic: A promising approach to tackle high CO ₂ selectivity of Fe-based Fischer-Tropsch microcapsule catalysts. Catalysis Today, 2019, 330, 39-45.	2.2	20
36	Methyl Ketones from Municipal Solid Waste Blends by One-Pot Ionic-Liquid Pretreatment, Saccharification, and Fermentation. ChemSusChem, 2019, 12, 4313-4322.	3.6	14

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37	Hydrogen Bond Promoted Lignin Solubilization and Electrospinning in Low Cost Protic Ionic Liquids. ACS Sustainable Chemistry and Engineering, 2019, 7, 18593-18602.	3.2	24
38	Carboxymethyl Cellulose Nanofibrils with a Treelike Matrix: Preparation and Behavior of Pickering Emulsions Stabilization. ACS Sustainable Chemistry and Engineering, 2019, 7, 12887-12896.	3.2	40
39	Methodology of Redispersible Dry Cellulose Nanofibrils Powder Synthesis under Waterless Condition. ACS Sustainable Chemistry and Engineering, 2019, 7, 10690-10698.	3.2	10
40	Manganese cluster induce the control synthesis of RHO- and CHA-type silicoaluminophosphates for dimethylether to light olefin conversion. Fuel, 2019, 244, 104-109.	3.4	12
41	Chemical source profiles of urban fugitive dust PM2.5 samples from 21 cities across China. Science of the Total Environment, 2019, 649, 1045-1053.	3.9	67
42	Beyond Cars: Fischer-Tropsch Synthesis for Non-Automotive Applications. ChemCatChem, 2019, 11, 1412-1424.	1.8	38
43	Tailored metastable Ce-Zr oxides with highly distorted lattice oxygen for accelerating redox cycles. Chemical Science, 2018, 9, 3386-3394.	3.7	40
44	N-Heterocyclic Carbene Promoted Decarboxylation of Lignin-Derived Aromatic Acids. ACS Sustainable Chemistry and Engineering, 2018, 6, 7232-7238.	3.2	19
45	Characterization of Lignin Streams during Bionic Liquid-Based Pretreatment from Grass, Hardwood, and Softwood. ACS Sustainable Chemistry and Engineering, 2018, 6, 3079-3090.	3.2	70
46	Biomass pretreatment using deep eutectic solvents from lignin derived phenols. Green Chemistry, 2018, 20, 809-815.	4.6	235
47	Robust nickel cluster@Mes-HZSM-5 composite nanostructure with enhanced catalytic activity in the DTG reaction. Journal of Catalysis, 2018, 363, 26-33.	3.1	19
48	Directly converting carbon dioxide to linear 1-olefins on bio-promoted catalysts. Communications Chemistry, 2018, 1, .	2.0	123
49	Direct syngas conversion to liquefied petroleum gas: Importance of a multifunctional metal-zeolite interface. Applied Energy, 2018, 209, 1-7.	5.1	35
50	Cascade Production of Lactic Acid from Universal Types of Sugars Catalyzed by Lanthanum Triflate. ChemSusChem, 2018, 11, 598-604.	3.6	18
51	Solubilization and Upgrading of High Polyethylene Terephthalate Loadings in a Low-Costing Bifunctional Ionic Liquid. ChemSusChem, 2018, 11, 781-792.	3.6	62
52	Enhanced n-dodecane hydroisomerization performance by tailoring acid sites on bifunctional Pt/ZSM-22 via alkaline treatment. New Journal of Chemistry, 2018, 42, 111-117.	1.4	28
53	Recent advances in direct catalytic hydrogenation of carbon dioxide to valuable C ₂₊ hydrocarbons. Journal of Materials Chemistry A, 2018, 6, 23244-23262.	5.2	144
54	Importance of the Initial Oxidation State of Copper for the Catalytic Hydrogenation of Dimethyl Oxalate to Ethylene Glycol. ChemistryOpen, 2018, 7, 969-976.	0.9	15

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55	Freezing copper as a noble metal-like catalyst for preliminary hydrogenation. <i>Science Advances</i> , 2018, 4, eaau3275.	4.7	64
56	Catalytic Hydrogenation of CO ₂ to Isoparaffins over Fe-Based Multifunctional Catalysts. <i>ACS Catalysis</i> , 2018, 8, 9958-9967.	5.5	141
57	Characterization and cytotoxicity of PAHs in PM2.5 emitted from residential solid fuel burning in the Guanzhong Plain, China. <i>Environmental Pollution</i> , 2018, 241, 359-368.	3.7	77
58	Biocompatible Choline-Based Deep Eutectic Solvents Enable One-Pot Production of Cellulosic Ethanol. <i>ACS Sustainable Chemistry and Engineering</i> , 2018, 6, 8914-8919.	3.2	63
59	Selectively Converting Biomass to Jet Fuel in Large-scale Apparatus. <i>ChemCatChem</i> , 2017, 9, 2668-2674.	1.8	12
60	A hollow Mo/HZSM-5 zeolite capsule catalyst: preparation and enhanced catalytic properties in methane dehydroaromatization. <i>Journal of Materials Chemistry A</i> , 2017, 5, 8599-8607.	5.2	59
61	Fischer-Tropsch synthesis over iron catalysts with corncob-derived promoters. <i>Journal of Energy Chemistry</i> , 2017, 26, 632-638.	7.1	11
62	Confined and in-situ zeolite synthesis: A novel strategy for defect reparation over dense Pd membranes for hydrogen separation. <i>Separation and Purification Technology</i> , 2017, 184, 43-53.	3.9	10
63	One-pot integrated biofuel production using low-cost biocompatible protic ionic liquids. <i>Green Chemistry</i> , 2017, 19, 3152-3163.	4.6	115
64	Directly converting CO ₂ into a gasoline fuel. <i>Nature Communications</i> , 2017, 8, 15174.	5.8	652
65	Functionalized Natural Carbon-Supported Nanoparticles as Excellent Catalysts for Hydrocarbon Production. <i>Chemistry - an Asian Journal</i> , 2017, 12, 366-371.	1.7	7
66	Tandem catalytic synthesis of benzene from CO ₂ and H ₂ . <i>Catalysis Science and Technology</i> , 2017, 7, 2695-2699.	2.1	27
67	Thiourea-Based Bifunctional Ionic Liquids as Highly Efficient Catalysts for the Cycloaddition of CO ₂ to Epoxides. <i>Catalysis Letters</i> , 2017, 147, 1654-1664.	1.4	26
68	Controllable preparation of phosphonium-based polymeric ionic liquids as highly selective nanocatalysts for the chemical conversion of CO ₂ with epoxides. <i>Green Chemistry</i> , 2017, 19, 2184-2193.	4.6	40
69	Survey of Lignin-Structure Changes and Depolymerization during Ionic Liquid Pretreatment. <i>ACS Sustainable Chemistry and Engineering</i> , 2017, 5, 10116-10127.	3.2	77
70	Highly Ordered Mesoporous Fe ₂ O ₃ -ZrO ₂ Bimetal Oxides for an Enhanced CO Hydrogenation Activity to Hydrocarbons with Their Structural Stability. <i>ACS Catalysis</i> , 2017, 7, 5955-5964.	5.5	63
71	Efficient dehydration and recovery of ionic liquid after lignocellulosic processing using pervaporation. <i>Biotechnology for Biofuels</i> , 2017, 10, 154.	6.2	72
72	CO ₂ enabled process integration for the production of cellulosic ethanol using bionic liquids. <i>Energy and Environmental Science</i> , 2016, 9, 2822-2834.	15.6	63

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73	Activation of lignocellulosic biomass for higher sugar yields using aqueous ionic liquid at low severity process conditions. <i>Biotechnology for Biofuels</i> , 2016, 9, 160.	6.2	44
74	Rapid room temperature solubilization and depolymerization of polymeric lignin at high loadings. <i>Green Chemistry</i> , 2016, 18, 6012-6020.	4.6	60
75	Isoparaffin-rich gasoline synthesis from DME over Ni-modified HZSM-5. <i>Catalysis Science and Technology</i> , 2016, 6, 8089-8097.	2.1	15
76	Fischer-Tropsch synthesis on impregnated cobalt-based catalysts: New insights into the effect of impregnation solutions and pH value. <i>Journal of Energy Chemistry</i> , 2016, 25, 994-1000.	7.1	20
77	Expanding Small Pore Size of the Bimodal Catalyst with Surfactant and Its Application in Slurry-phase Fischer-Tropsch Synthesis. <i>ChemistrySelect</i> , 2016, 1, 778-783.	0.7	2
78	Ordered mesoporous alumina-supported bimetallic Pd-Ni catalysts for methane dry reforming reaction. <i>Catalysis Science and Technology</i> , 2016, 6, 6542-6550.	2.1	73
79	Superbase/saccharide: An ecologically benign catalyst for efficient fixation of CO ₂ into cyclic carbonates. <i>Synthetic Communications</i> , 2016, 46, 497-508.	1.1	15
80	New insights into the effect of sodium on Fe ₃ O ₄ -based nanocatalysts for CO ₂ hydrogenation to light olefins. <i>Catalysis Science and Technology</i> , 2016, 6, 4786-4793.	2.1	198
81	Transforming biomass conversion with ionic liquids: process intensification and the development of a high-gravity, one-pot process for the production of cellulosic ethanol. <i>Energy and Environmental Science</i> , 2016, 9, 1042-1049.	15.6	201
82	Effect of hydrogen bond of hydroxyl-functionalized ammonium ionic liquids on cycloaddition of CO ₂ . <i>Tetrahedron Letters</i> , 2015, 56, 1416-1419.	0.7	74
83	Green Synthesis of Rice Bran Microsphere Catalysts Containing Natural Biopromoters. <i>ChemCatChem</i> , 2015, 7, 1642-1645.	1.8	17
84	Sputtered nano-cobalt on H-USY zeolite for selectively converting syngas to gasoline. <i>Journal of Energy Chemistry</i> , 2015, 24, 637-641.	7.1	17
85	Tunable isoparaffin and olefin synthesis in Fischer-Tropsch synthesis achieved by composite catalyst. <i>Fuel Processing Technology</i> , 2015, 136, 68-72.	3.7	24
86	Fixation of CO ₂ into cyclic carbonates catalyzed by ionic liquids: a multi-scale approach. <i>Green Chemistry</i> , 2015, 17, 108-122.	4.6	387
87	Tunable isoparaffin and olefin yields in Fischer-Tropsch synthesis achieved by a novel iron-based micro-capsule catalyst. <i>Catalysis Today</i> , 2015, 251, 41-46.	2.2	29
88	CHAPTER 3. Ionic Liquid Pretreatment of Lignocellulosic Biomass for Biofuels and Chemicals. <i>RSC Green Chemistry</i> , 2015, , 65-94.	0.0	14
89	Combining wet impregnation and dry sputtering to prepare highly-active CoPd/H-ZSM5 ternary catalysts applied for tandem catalytic synthesis of isoparaffins. <i>Catalysis Science and Technology</i> , 2014, 4, 1260.	2.1	32
90	Biocompatible and recyclable amino acid binary catalyst for efficient chemical fixation of CO ₂ . <i>Catalysis Communications</i> , 2014, 44, 6-9.	1.6	62

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91	Ionic liquid-based green processes for energy production. <i>Chemical Society Reviews</i> , 2014, 43, 7838-7869.	18.7	399
92	Urea-derived graphitic carbon nitride as an efficient heterogeneous catalyst for CO ₂ conversion into cyclic carbonates. <i>Catalysis Science and Technology</i> , 2014, 4, 1556.	2.1	222
93	Nano-sized polydopamine-based biomimetic catalyst for the efficient synthesis of cyclic carbonates. <i>Tetrahedron Letters</i> , 2014, 55, 3239-3243.	0.7	31
94	Ionic liquid clusters: structure, formation mechanism, and effect on the behavior of ionic liquids. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 5893-5906.	1.3	155
95	Highly-Dispersed Metallic Ru Nanoparticles Sputtered on H-Beta Zeolite for Directly Converting Syngas to Middle Isoparaffins. <i>ACS Catalysis</i> , 2014, 4, 1-8.	5.5	98
96	Fabrication of active Cu-Zn nanoalloys on H-ZSM5 zeolite for enhanced dimethyl ether synthesis via syngas. <i>Journal of Materials Chemistry A</i> , 2014, 2, 8637.	5.2	43
97	Functionalized dicyandiamide-formaldehyde polymers as efficient heterogeneous catalysts for conversion of CO ₂ into organic carbonates. <i>Green Chemistry</i> , 2014, 16, 2771-2778.	4.6	90
98	Catalysis Chemistry of Dimethyl Ether Synthesis. <i>ACS Catalysis</i> , 2014, 4, 3346-3356.	5.5	232
99	Completed encapsulation of cobalt particles in mesoporous H-ZSM-5 zeolite catalyst for direct synthesis of middle isoparaffin from syngas. <i>Catalysis Communications</i> , 2014, 55, 53-56.	1.6	38
100	1,3-Dimethylimidazolium-2-carboxylate: a zwitterionic salt for the efficient synthesis of vicinal diols from cyclic carbonates. <i>Green Chemistry</i> , 2014, 16, 3297.	4.6	57
101	Superbase/cellulose: an environmentally benign catalyst for chemical fixation of carbon dioxide into cyclic carbonates. <i>Green Chemistry</i> , 2014, 16, 3071.	4.6	180
102	Ruthenium promoted cobalt catalysts prepared by an autocombustion method directly used for Fischer-Tropsch synthesis without further reduction. <i>Catalysis Science and Technology</i> , 2014, 4, 3099.	2.1	25
103	Pt Nanoparticles Loaded on Reduced Graphene Oxide as an Effective Catalyst for the Direct Oxidation of 5-Hydroxymethylfurfural (HMF) to Produce 2,5-Furandicarboxylic Acid (FDCA) under Mild Conditions. <i>Bulletin of the Chemical Society of Japan</i> , 2014, 87, 1124-1129.	2.0	32
104	Pore Structure Model of Bimodal Catalyst Supports. <i>Journal of the Japan Petroleum Institute</i> , 2014, 57, 230-234.	0.4	1
105	Triethanolamine/KI: A Multifunctional Catalyst for CO ₂ Activation and Conversion with Epoxides into Cyclic Carbonates. <i>Synthetic Communications</i> , 2013, 43, 2985-2997.	1.1	36
106	Tuning interactions between zeolite and supported metal by physical-sputtering to achieve higher catalytic performances. <i>Scientific Reports</i> , 2013, 3, 2813.	1.6	25
107	Efficient fixation of CO ₂ into cyclic carbonates catalyzed by hydroxyl-functionalized poly(ionic) Tj ETQq1 1 0.784314,rgBT /Oyerlock 10	1.7	85
108	SBA-15 supported triazolium-based ionic liquids as highly efficient and recyclable catalysts for fixation of CO ₂ with epoxides. <i>Catalysis Today</i> , 2013, 200, 117-124.	2.2	168

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109	Preparation and performance of Co based capsule catalyst with the zeolite shell sputtered by Pd for direct isoparaffin synthesis from syngas. <i>Applied Catalysis A: General</i> , 2013, 456, 75-81.	2.2	34
110	SiC foam monolith catalyst for pressurized adiabatic methane reforming. <i>Applied Energy</i> , 2013, 107, 297-303.	5.1	27
111	Highly selective and multifunctional Cu/ZnO/Zeolite catalyst for one-step dimethyl ether synthesis: Preparing catalyst by bimetallic physical sputtering. <i>Fuel</i> , 2013, 112, 140-144.	3.4	25
112	Filter and buffer-pot confinement effect of hollow sphere catalyst for promoted activity and enhanced selectivity. <i>Journal of Materials Chemistry A</i> , 2013, 1, 5670.	5.2	33
113	Ionic Liquids: The Synergistic Catalytic Effect in the Synthesis of Cyclic Carbonates. <i>Catalysts</i> , 2013, 3, 878-901.	1.6	63
114	Nitrate Combustion Methods to Prepare Highly Active Cu/ZnO Catalysts for Low-Temperature Methanol Synthesis: Comparative Behaviors of Citric Acid in Air or Argon Atmosphere. <i>Bulletin of the Chemical Society of Japan</i> , 2013, 86, 1202-1209.	2.0	3
115	Efficient fixation of CO ₂ into organic carbonates catalyzed by 2-hydroxymethyl-functionalized ionic liquids. <i>RSC Advances</i> , 2013, 4, 2360-2367.	1.7	107
116	Investigations on a series of novel ionic liquids containing the [closo-B ₁₂ Cl ₁₂] ²⁻ dianion. <i>RSC Advances</i> , 2012, 2, 9830.	1.7	21
117	Experimental and theoretical studies on hydrogen bond-promoted fixation of carbon dioxide and epoxides in cyclic carbonates. <i>Physical Chemistry Chemical Physics</i> , 2012, 14, 11021.	1.3	129
118	Chitosan functionalized ionic liquid as a recyclable biopolymer-supported catalyst for cycloaddition of CO ₂ . <i>Green Chemistry</i> , 2012, 14, 654.	4.6	314
119	ZnBr ₂ -Based Choline Chloride Ionic Liquid for Efficient Fixation of CO ₂ to Cyclic Carbonate. <i>Synthetic Communications</i> , 2012, 42, 2564-2573.	1.1	50
120	Insights into quaternary ammonium salts-catalyzed fixation carbon dioxide with epoxides. <i>Catalysis Science and Technology</i> , 2012, 2, 1480.	2.1	192
121	Synthesis of dimethyl carbonate catalyzed by carboxylic functionalized imidazolium salt via transesterification reaction. <i>Catalysis Science and Technology</i> , 2012, 2, 600-605.	2.1	78
122	The unimolecular thermal decomposition mechanism of syn, anti-N,N'-Dinitrourea (DNU). <i>Combustion and Flame</i> , 2012, 159, 1393-1398.	2.8	7
123	Polystyrene-bound diethanolamine based ionic liquids for chemical fixation of CO ₂ . <i>Tetrahedron Letters</i> , 2012, 53, 2684-2688.	0.7	52
124	Improved cardenolide production in <i>Calotropis gigantea</i> hairy roots using mechanical wounding and elicitation. <i>Biotechnology Letters</i> , 2012, 34, 563-569.	1.1	25
125	Synthesis of bimagnetic ionic liquid and application for selective aerobic oxidation of aromatic alcohols under mild conditions. <i>Chemical Communications</i> , 2011, 47, 2697.	2.2	100
126	Synthesis of dimethyl carbonate from CO ₂ and ethylene oxide catalyzed by K ₂ CO ₃ -based binary salts in the presence of H ₂ O. <i>Green Chemistry</i> , 2011, 13, 3213.	4.6	48

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127	The recent development of CO ₂ fixation and conversion by ionic liquid. , 2011, 1, 142-159.		78
128	Synthesis and characterization of ethylenediaminium nitrophenolate. Journal of Molecular Structure, 2011, 989, 136-143.	1.8	18
129	Efficient Acid-Base Bifunctional Catalysts for the Fixation of CO ₂ with Epoxides under Metal- and Solvent-free Conditions. ChemSusChem, 2011, 4, 502-507.	3.6	221
130	An Efficient and Stable Ionic Liquid System for Synthesis of Ethylene Glycol via Hydrolysis of Ethylene Carbonate. Chinese Journal of Chemical Engineering, 2010, 18, 962-966.	1.7	9
131	Water as an efficient medium for the synthesis of cyclic carbonate. Tetrahedron Letters, 2009, 50, 423-426.	0.7	231
132	Reusable and efficient polymer-supported task-specific ionic liquid catalyst for cycloaddition of epoxide with CO ₂ . Catalysis Today, 2009, 148, 361-367.	2.2	262
133	Density, Excess Molar Volume, and Viscosity for the Methyl Methacrylate + 1-Butyl-3-methylimidazolium Hexafluorophosphate Ionic Liquid Binary System at Atmospheric Pressure. Journal of Chemical & Engineering Data, 2009, 54, 2307-2311.	1.0	122
134	Hydroxyl-functionalized ionic liquid: a novel efficient catalyst for chemical fixation of CO ₂ to cyclic carbonate. Tetrahedron Letters, 2008, 49, 3588-3591.	0.7	374
135	Degradation of biorefractory furaltadone in aqueous solution by ozonation. Journal of Chemical Technology and Biotechnology, 2008, 83, 1347-1352.	1.6	4
136	ZnCl ₂ /phosphonium halide: An efficient Lewis acid/base catalyst for the synthesis of cyclic carbonate. Journal of Molecular Catalysis A, 2006, 256, 295-300.	4.8	156