Zhimin Liu

List of Publications by Year in Descending Order

187 papers	8,124 citations	56 h-index	82 g-index
205 ext. papers	9,242 ext. citations	7.3 avg, IF	6.02 L-index

#	Paper	IF	Citations
187	Interface engineered Co, Ni, Fe, Cu oxide hybrids with biphasic structures for water splitting with enhanced activity. *Journal of Colloid and Interface Science*, **2021**, 609, 149-157	9.3	0
186	A CO2-mediated base catalysis approach for the hydration of triple bonds in ionic liquids. *Green Chemistry*, **2021**, 23, 9870-9875	10	2
185	Alcohol promoted N-methylation of anilines with CO2/H2 over a cobalt catalyst under mild conditions. *Green Chemistry*, **2021**, 23, 9147-9153	10	0
184	Hydrogen-Bonding-Mediated Selective Hydrogenation of Aromatic Ketones over Pd/C in Ionic Liquids at Room Temperature. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 14216-14223	8.3	0
183	Hydrogen-bond donor and acceptor cooperative catalysis strategy for cyclic dehydration of diols to access O-heterocycles. *Science Advances*, **2021**, 7,	14.3	6
182	Ionic-Liquid-Catalyzed Approaches under Metal-Free Conditions. *Accounts of Chemical Research*, **2021**,	24.3	13
181	Ionic Liquid-Promoted Formylation of N(sp2)-Heteroarenes with CO2/H2 over Pd/C. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 2507-2514	8.3	3
180	Highly Perfluorinated Covalent Triazine Frameworks Derived from a Low-Temperature Ionothermal Approach Towards Enhanced CO Electroreduction. *Angewandte Chemie - International Edition*, **2021**, 60, 25688-25694	16.4	7
179	Highly Perfluorinated Covalent Triazine Frameworks Derived from a Low-Temperature Ionothermal Approach Towards Enhanced CO2 Electroreduction. *Angewandte Chemie*, **2021**, 133, 25892	3.6	0
178	Amide-bridged conjugated organic polymers: efficient metal-free catalysts for visible-light-driven CO reduction with HO to CO. *Chemical Science*, **2021**, 12, 11548-11553	9.4	3
177	Hydrogen bonding-catalysed alcoholysis of propylene oxide at room temperature. *Chemical Communications*, **2021**, 57, 8734-8737	5.8	1
176	Design of porous organic polymer catalysts for transformation of carbon dioxide. *Green Chemical Engineering*, **2021**,	3	3
175	Visible Light-Driven Photoreduction of CO2 to CH4 over TiO2 Using a Multiple-Site Ionic Liquid as an Absorbent and Photosensitizer. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 9088-9094	8.3	11
174	A Novel Route to Synthesize N,N-Dimethyl Arylmethylamines from Aryl Aldehydes, Hexamethylenetetramine and Hydrogen. *Chinese Journal of Chemistry*, **2020**, 38, 842-846	4.9	1
173	Carbon Nitride-Based Single-Atom Cu Catalysts for Highly Efficient Carboxylation of Alkynes with Atmospheric CO2. *Industrial & Engineering Chemistry Research*, **2020**, 59, 7327-7335	3.9	27
172	Biomass-derived metal–organic hybrids for CO2 transformation under ambient conditions. *Green Chemistry*, **2020**, 22, 2846-2851	10	8
171	Hydrogen-Bonding Catalyzed Ring-Closing C–O/C–O Metathesis of Aliphatic Ethers over Ionic Liquid under Metal-Free Conditions. *Angewandte Chemie*, **2020**, 132, 11948-11953	3.6	6

170	Recent Progress on Ionic Liquid-Mediated CO2 Conversion. *Wuli Huaxue Xuebao/ Acta Physico - Chimica Sinica*, **2020**, 2010022-0	3.8	2
169	Ambient reductive synthesis of N-heterocyclic compounds over cellulose-derived carbon supported Pt nanocatalyst under H2 atmosphere. *Green Chemistry*, **2020**, 22, 3820-3826	10	8
168	Nitrogen-doped microporous carbon materials with uniform pore diameters: Design and applications in CO2 and H2 adsorption. *Microporous and Mesoporous Materials*, **2020**, 296, 109992	5.3	11
167	Photosensitive Hyper-Cross-Linked Polymers Derived from Three-Dimensional Ringlike Arenes: Promising Catalysts for Singlet-Oxygen Generation. *ACS Sustainable Chemistry and Engineering*, **2020**, 8, 16320-16326	8.3	2
166	Photocatalytic Reduction of CO to CO over Quinacridone/BiVO Nanocomposites. *ChemSusChem*, **2020**, 13, 5565-5570	8.3	8
165	Hydrogen-Bonding Catalyzed Ring-Closing C-O/C-O Metathesis of Aliphatic Ethers over Ionic Liquid under Metal-Free Conditions. *Angewandte Chemie - International Edition*, **2020**, 59, 11850-11855	16.4	17
164	Direct Z-Scheme Heterojunction of SnS /Sulfur-Bridged Covalent Triazine Frameworks for Visible-Light-Driven CO Photoreduction. *ChemSusChem*, **2020**, 13, 6278-6283	8.3	13
163	Selective synthesis of formamides, 1,2-bis(N-heterocyclic)ethanes and methylamines from cyclic amines and CO/H catalyzed by an ionic liquid-Pd/C system. *Chemical Science*, **2019**, 10, 9822-9828	9.4	11
162	Photocatalytic Reduction of Carbon Dioxide over Quinacridone Nanoparticles Supported on Reduced Graphene Oxide. *Industrial & Engineering Chemistry Research*, **2019**, 58, 9636-9643	3.9	12
161	Recent advances in electrochemical reduction of CO2. *Current Opinion in Green and Sustainable Chemistry*, **2019**, 16, 77-84	7.9	12
160	110th Anniversary: Ionic Liquid Promoted CO2 Hydrogenation to Free Formic Acid over Pd/C. *Industrial & Engineering Chemistry Research*, **2019**, 58, 6333-6339	3.9	14
159	Visible-light-driven photoreduction of CO2 to CO over porous nitrogen-deficient carbon nitride nanotubes. *Catalysis Science and Technology*, **2019**, 9, 2485-2492	5.5	22
158	Cobalt-catalyzed synthesis of N-containing heterocycles via cyclization of ortho-substituted anilines with CO2/H2. *Green Chemistry*, **2019**, 21, 1695-1701	10	13
157	Selective electroreduction of carbon dioxide to methanol on copper selenide nanocatalysts. *Nature Communications*, **2019**, 10, 677	17.4	136
156	Synthesis of renewable acetic acid from CO and lignin over an ionic liquid-based catalytic system. *Chemical Communications*, **2019**, 55, 3069-3072	5.8	13
155	Hydrogenation of Carbon Dioxide to C -C Hydrocarbons Catalyzed by Pd(PtBu) -FeCl with Ionic Liquid as Cocatalyst. *ChemSusChem*, **2019**, 12, 4390-4394	8.3	9
154	Co-catalyzed Hydrogenation of Levulinic Acid to Γ-Valerolactone under Atmospheric Pressure. *ACS Sustainable Chemistry and Engineering*, **2019**, 7, 18236-18241	8.3	21
153	Transformation of CO2 into Valuable Chemicals **2019**, 285-322		2

152	A rose bengal-functionalized porous organic polymer for carboxylative cyclization of propargyl alcohols with CO. *Chemical Communications*, **2019**, 55, 12475-12478	5.8	22
151	Choline-based ionic liquids for CO2 capture and conversion. *Science China Chemistry*, **2019**, 62, 256-261	7.9	12
150	Eosin Y-Functionalized Conjugated Organic Polymers for Visible-Light-Driven CO Reduction with H O to CO with High Efficiency. *Angewandte Chemie - International Edition*, **2019**, 58, 632-636	16.4	96
149	Visible-Light-Driven Photoreduction of CO2 to CH4 over N,O,P-Containing Covalent Organic Polymer Submicrospheres. *ACS Catalysis*, **2018**, 8, 4576-4581	13.1	71
148	Recent Advances in Photocatalytic CO2 Reduction Using Earth-Abundant Metal Complexes-Derived Photocatalysts. *Chinese Journal of Chemistry*, **2018**, 36, 455-460	4.9	27
147	Sequential protocol for C(sp)H carboxylation with CO2: KOtBu-catalyzed C(sp)H silylation and KOtBu-mediated carboxylation. *Science China Chemistry*, **2018**, 61, 449-456	7.9	10
146	Copper-catalyzed synthesis of benzanilides from lignin model substrates 2-phenoxyacetophenones under an air atmosphere. *New Journal of Chemistry*, **2018**, 42, 1223-1227	3.6	12
145	Ethanol-mediated N-formylation of amines with CO2/H2 over cobalt catalysts. *New Journal of Chemistry*, **2018**, 42, 13933-13937	3.6	11
144	Nanoporous Cu/Ni oxide composites: efficient catalysts for electrochemical reduction of CO2 in aqueous electrolytes. *Green Chemistry*, **2018**, 20, 3705-3710	10	22
143	N-doped carbon supported Pd catalysts for N-formylation of amines with CO2/H2. *Science China Chemistry*, **2018**, 61, 725-731	7.9	22
142	Rhodium-Catalyzed Formylation of Aryl Halides with CO and H. *Organic Letters*, **2018**, 20, 5130-5134	6.2	22
141	Mesoporous imine-based organic polymer: catalyst-free synthesis in water and application in CO conversion. *Chemical Communications*, **2018**, 54, 7633-7636	5.8	21
140	Eosin Y-Functionalized Conjugated Organic Polymers for Visible-Light-Driven CO2 Reduction with H2O to CO with High Efficiency. *Angewandte Chemie*, **2018**, 131, 642	3.6	1
139	Deep eutectic-solvothermal synthesis of nanostructured FeS for electrochemical N fixation under ambient conditions. *Chemical Communications*, **2018**, 54, 13010-13013	5.8	103
138	Highly effective photoreduction of CO to CO promoted by integration of CdS with molecular redox catalysts through metal-organic frameworks. *Chemical Science*, **2018**, 9, 8890-8894	9.4	66
137	Imidazolate ionic liquids for high-capacity capture and reliable storage of iodine. *Communications Chemistry*, **2018**, 1,	6.3	8
136	Cobalt-Catalyzed Synthesis of Unsymmetrically N, N-Disubstituted Formamides via Reductive Coupling of Primary Amines and Aldehydes with CO and H. *Organic Letters*, **2018**, 20, 6622-6626	6.2	14
135	Pyridine-functionalized organic porous polymers: applications in efficient CO2 adsorption and conversion. *New Journal of Chemistry*, **2017**, 41, 2869-2872	3.6	24

134	Cooperative effect from cation and anion of pyridine-containing anion-based ionic liquids for catalysing CO2 transformation at ambient conditions. *Science China Chemistry*, **2017**, 60, 958-963	7.9	26
133	Reductive Cleavage of C□O Bond in Model Compounds of Lignin. *Chinese Journal of Chemistry*, **2017**, 35, 938-942	4.9	8
132	Activation of Cellulose Assisted by CO for the Preparation of a Superhydrophobic Nanocoating. *Chemistry - an Asian Journal*, **2017**, 12, 1773-1779	4.5	3
131	Ionic liquid/HO-mediated synthesis of mesoporous organic polymers and their application in methylation of amines. *Chemical Communications*, **2017**, 53, 5962-5965	5.8	13
130	Reductive amination/cyclization of levulinic acid to pyrrolidones versus pyrrolidines by switching the catalyst from AlCl3 to RuCl3 under mild conditions. *Green Chemistry*, **2017**, 19, 3525-3529	10	39
129	Reductive Coupling of CO , Primary Amine, and Aldehyde at Room Temperature: A Versatile Approach to Unsymmetrically N,N-Disubstituted Formamides. *Chemistry - A European Journal*, **2017**, 23, 9721-9725	4.8	14
128	N-Doped porous carbon nanotubes: synthesis and application in catalysis. *Chemical Communications* , **2017**, 53, 929-932	5.8	33
127	Efficient Cobalt-Catalyzed Methylation of Amines Using Methanol. *Advanced Synthesis and Catalysis* , **2017**, 359, 4278-4283	5.6	70
126	Lactate-Based Ionic Liquid Catalyzed Reductive Amination/Cyclization of Keto Acids under Mild Conditions: A Metal-Free Route To Synthesize Lactams. *ACS Catalysis*, **2017**, 7, 7772-7776	13.1	33
125	Reductive formylation of amines with CO 2 using sodium borohydride: A catalyst-free route. *Journal of CO2 Utilization*, **2017**, 22, 208-211	7.6	25
124	Methylation of C(sp)-H/C(sp)-H Bonds with Methanol Catalyzed by Cobalt System. *Organic Letters*, **2017**, 19, 5228-5231	6.2	72
123	CsF-promoted carboxylation of aryl(hetaryl) terminal alkynes with atmospheric CO2 at room temperature. *New Journal of Chemistry*, **2017**, 41, 9250-9255	3.6	11
122	Tetrabutylphosphonium-Based Ionic Liquid Catalyzed CO2 Transformation at Ambient Conditions: A Case of Synthesis of □Alkylidene Cyclic Carbonates. *ACS Catalysis*, **2017**, 7, 6251-6255	13.1	68
121	Visible-light-driven conversion of CO2 from air to CO using an ionic liquid and a conjugated polymer. *Green Chemistry*, **2017**, 19, 5777-5781	10	42
120	Polyureas derived from CO2 and diamines: highly efficient catalysts for C□H arylation of benzene. *New Journal of Chemistry*, **2017**, 41, 51-55	3.6	7
119	R□ktitelbild: Hierarchically Mesoporous o-Hydroxyazobenzene Polymers: Synthesis and Their Applications in CO2 Capture and Conversion (Angew. Chem. 33/2016). *Angewandte Chemie*, **2016**, 128, 9948-9948	3.6	1
118	Water-Enhanced Synthesis of Higher Alcohols from CO2 Hydrogenation over a Pt/Co3O4 Catalyst under Milder Conditions. *Angewandte Chemie - International Edition*, **2016**, 55, 737-41	16.4	145
117	An Efficient and General Method for Formylation of Aryl Bromides with CO2 and Poly(methylhydrosiloxane). *Chemistry - A European Journal*, **2016**, 22, 1097-102	4.8	37

116	Very highly efficient reduction of CO to CH using metal-free N-doped carbon electrodes. *Chemical Science*, **2016**, 7, 2883-2887	9.4	152
115	Cu-catalyzed aerobic oxygenation of 2-phenoxyacetophenones to alkyloxy acetophenones. *RSC Advances*, **2016**, 6, 27126-27129	3.7	16
114	Metalated Mesoporous Poly(triphenylphosphine) with Azo Functionality: Efficient Catalysts for CO2 Conversion. *ACS Catalysis*, **2016**, 6, 1268-1273	13.1	89
113	Highly efficient electrochemical reduction of CO to CH in an ionic liquid using a metal-organic framework cathode. *Chemical Science*, **2016**, 7, 266-273	9.4	177
112	Mesoporous nitrogen-doped carbons with high nitrogen contents and ultrahigh surface areas: synthesis and applications in catalysis. *Green Chemistry*, **2016**, 18, 1976-1982	10	92
111	Efficient Reduction of CO2 into Formic Acid on a Lead or Tin Electrode using an Ionic Liquid Catholyte Mixture. *Angewandte Chemie*, **2016**, 128, 9158-9162	3.6	49
110	Hierarchically Mesoporous o-Hydroxyazobenzene Polymers: Synthesis and Their Applications in CO2 Capture and Conversion. *Angewandte Chemie - International Edition*, **2016**, 55, 9685-9	16.4	165
109	Azole-Anion-Based Aprotic Ionic Liquids: Functional Solvents for Atmospheric CO Transformation into Various Heterocyclic Compounds. *Chemistry - an Asian Journal*, **2016**, 11, 2735-2740	4.5	61
108	Efficient Reduction of CO2 into Formic Acid on a Lead or Tin Electrode using an Ionic Liquid Catholyte Mixture. *Angewandte Chemie - International Edition*, **2016**, 55, 9012-6	16.4	149
107	Hierarchically Mesoporous o-Hydroxyazobenzene Polymers: Synthesis and Their Applications in CO2 Capture and Conversion. *Angewandte Chemie*, **2016**, 128, 9837-9841	3.6	49
106	Synthesis of chemicals using CO2 as a building block under mild conditions. *Current Opinion in Green and Sustainable Chemistry*, **2016**, 1, 13-17	7.9	7
105	Atmospheric CO2 promoted synthesis of N-containing heterocycles over B(C6F5)3 catalyst. *New Journal of Chemistry*, **2016**, 40, 8282-8287	3.6	23
104	Fluoro-functionalized polymeric N-heterocyclic carbene-zinc complexes: efficient catalyst for formylation and methylation of amines with CO2 as a C1-building block. *RSC Advances*, **2015**, 5, 19613-19619	3.7	44
103	Imidazolium-Based Ionic Liquids Catalyzed Formylation of Amines Using Carbon Dioxide and Phenylsilane at Room Temperature. *ACS Catalysis*, **2015**, 5, 4989-4993	13.1	141
102	B(C6F5)3-catalyzed methylation of amines using CO2 as a C1 building block. *Green Chemistry*, **2015**, 17, 4189-4193	10	75
101	Azo-functionalized microporous organic polymers: synthesis and applications in CO2 capture and conversion. *Chemical Communications*, **2015**, 51, 11576-9	5.8	72
100	Reductive cleavage of inert aryl C-O bonds to produce arenes. *Chemical Communications*, **2015**, 51, 12212-5	5.8	22
99	Light-driven integration of the reduction of nitrobenzene to aniline and the transformation of glycerol into valuable chemicals in water. *RSC Advances*, **2015**, 5, 36347-36352	3.7	32

98	Synthesis of metalloporphyrin-based conjugated microporous polymer spheres directed by bipyridine-type ligands. *Chemical Communications*, **2015**, 51, 7352-5	5.8	22
97	Ionic Liquid-Catalyzed C–S Bond Construction using CO2 as a C1 Building Block under Mild Conditions: A Metal-Free Route to Synthesis of Benzothiazoles. *ACS Catalysis*, **2015**, 5, 6648-6652	13.1	82
96	A Tröger's base-derived microporous organic polymer: design and applications in CO2/H2 capture and hydrogenation of CO2 to formic acid. *Chemical Communications*, **2015**, 51, 1271-4	5.8	74
95	Hydrogen-bonding-mediated synthesis of atomically thin TiO2 films with exposed (001) facets and applications in fast lithium insertion/extraction. *Chemistry - A European Journal*, **2015**, 21, 14608-13	4.8	8
94	Porous Zirconium-Phytic Acid Hybrid: a Highly Efficient Catalyst for Meerwein-Ponndorf-Verley Reductions. *Angewandte Chemie - International Edition*, **2015**, 54, 9399-403	16.4	169
93	Synthesizing Ag Nanoparticles of Small Size on a Hierarchical Porosity Support for the Carboxylative Cyclization of Propargyl Alcohols with CO2 under Ambient Conditions. *Chemistry - A European Journal*, **2015**, 21, 15924-8	4.8	58
92	Task-specific ionic liquid and CO-cocatalysed efficient hydration of propargylic alcohols to α-hydroxy ketones. *Chemical Science*, **2015**, 6, 2297-2301	9.4	70
91	Selective oxidation of glycerol to formic acid catalyzed by Ru(OH)4/r-GO in the presence of FeCl3. *Applied Catalysis B: Environmental*, **2014**, 154-155, 267-273	21.8	48
90	Pd/C-catalyzed direct formylation of aromatic iodides to aryl aldehydes using carbon dioxide as a C1 resource. *Chemical Communications*, **2014**, 50, 2330-3	5.8	81
89	A Protic Ionic Liquid Catalyzes CO2 Conversion at Atmospheric Pressure and Room Temperature: Synthesis of Quinazoline-2,4(1H,3H)-diones. *Angewandte Chemie*, **2014**, 126, 6032-6035	3.6	47
88	Ionic liquid modified montmorillonite-supported Ru nanoparticles: highly efficient heterogeneous catalysts for the hydrodeoxygenation of phenolic compounds to cycloalkanes. *Catalysis Science and Technology*, **2014**, 4, 2658	5.5	31
87	Hydrosilane-promoted cyclization of 2-aminothiophenols by CO2 to benzothiazoles. *RSC Advances*, **2014**, 4, 56957-56960	3.7	19
86	Heteropolyanion-based ionic liquids catalysed conversion of cellulose into formic acid without any additives. *Green Chemistry*, **2014**, 16, 4931-4935	10	39
85	Highly mesoporous carbons derived from biomass feedstocks templated with eutectic salt ZnCl2/KCl. *Journal of Materials Chemistry A*, **2014**, 2, 19324-19329	13	57
84	Fluoro-functionalized polymeric ionic liquids: highly efficient catalysts for CO2 cycloaddition to cyclic carbonates under mild conditions. *Green Chemistry*, **2014**, 16, 3724	10	76
83	A protic ionic liquid catalyzes CO2 conversion at atmospheric pressure and room temperature: synthesis of quinazoline-2,4(1H,3H)-diones. *Angewandte Chemie - International Edition*, **2014**, 53, 5922-5	16.4	186
82	Polyurea-supported metal nanocatalysts: synthesis, characterization and application in selective hydrogenation of o-chloronitrobenzene. *Journal of Colloid and Interface Science*, **2014**, 424, 44-8	9.3	11
81	Ni Promoted Pt and Pd Catalysts for Glycerol Oxidation to Lactic Acid. *Clean - Soil, Air, Water*, **2014**, 42, 1140-1144	1.6	18

80	Fluorinated microporous organic polymers: design and applications in CO₂ adsorption and conversion. *Chemical Communications*, **2014**, 50, 13910-3	5.8	89
79	Au catalyzed synthesis of benzimidazoles from 2-nitroanilines and CO2/H2. *Green Chemistry*, **2014**, 16, 3039	10	47
78	DBU-Based Ionic-Liquid-Catalyzed Carbonylation of o-Phenylenediamines with CO2 to 2-Benzimidazolones under Solvent-Free Conditions. *ACS Catalysis*, **2013**, 3, 2076-2082	13.1	111
77	Cyclization of o-phenylenediamines by CO2 in the presence of H2 for the synthesis of benzimidazoles. *Green Chemistry*, **2013**, 15, 95-99	10	74
76	Pd nanoparticles immobilized on graphite oxide modified with a base: Highly efficient catalysts for selective hydrogenation of citral. *Science China Chemistry*, **2013**, 56, 203-209	7.9	10
75	Ti3+ self-doped TiOx@anatase core–shell structure with enhanced visible light photocatalytic activity. *Journal of Materials Chemistry A*, **2013**, 1, 6138	13	21
74	Selective oxidation of glycerol to lactic acid under acidic conditions using AuPd/TiO2 catalyst. *Green Chemistry*, **2013**, 15, 1520	10	92
73	One-pot solvothermal method to synthesize platinum/W18O49 ultrafine nanowires and their catalytic performance. *Journal of Materials Chemistry*, **2012**, 22, 3354		23
72	Controllable synthesis of supported Cu–M (M =Pt, Pd, Ru, Rh) bimetal nanocatalysts and their catalytic performances. *Journal of Materials Chemistry*, **2012**, 22, 9117		39
71	Ionic liquid-stabilized graphene and its use in immobilizing a metal nanocatalyst. *RSC Advances*, **2012**, 2, 8189	3.7	29
70	Highly concentrated aqueous dispersions of graphene exfoliated by sodium taurodeoxycholate: dispersion behavior and potential application as a catalyst support for the oxygen-reduction reaction. *Chemistry - A European Journal*, **2012**, 18, 6972-8	4.8	69
69	Controllable synthesis of titania/reduced graphite oxide nanocomposites with various titania phase compositions and their photocatalytic performance. *Science China Chemistry*, **2012**, 55, 1294-1302	7.9	3
68	Porous Fe3O4 nanoparticles: synthesis and application in catalyzing epoxidation of styrene. *Journal of Colloid and Interface Science*, **2011**, 364, 298-303	9.3	44
67	Ultrasonication-assisted uniform decoration of carbon nanotubes by various particles with controlled size and loading. *Carbon*, **2011**, 49, 4376-4384	10.4	17
66	In situ loading of palladium nanoparticles on mica and their catalytic applications. *Journal of Colloid and Interface Science*, **2011**, 353, 269-74	9.3	11
65	The solvent-free selective hydrogenation of nitrobenzene to aniline: an unexpected catalytic activity of ultrafine Pt nanoparticles deposited on carbon nanotubes. *Green Chemistry*, **2010**, 12, 1007	10	112
64	Supercritical CO2-facilitating large-scale synthesis of CeO2 nanowires and their application for solvent-free selective hydrogenation of nitroarenes. *Journal of Materials Chemistry*, **2010**, 20, 1947		48
63	Synthesis of Nanomaterials **2010**, 369		1

62	Green solvent-based approaches for synthesis of nanomaterials. *Science China Chemistry*, **2010**, 53, 372-382	7.9	4
61	Chitosan-mediated synthesis of mesoporous Fe2O3 nanoparticles and their applications in catalyzing selective oxidation of cyclohexane. *Science China Chemistry*, **2010**, 53, 1502-1508	7.9	12
60	The immobilization of glycidyl-group-containing ionic liquids and its application in CO2 cycloaddition reactions. *Chemistry - A European Journal*, **2010**, 16, 6687-92	4.8	46
59	Arginine-mediated synthesis of highly efficient catalysts for transfer hydrogenations of ketones. *Journal of Colloid and Interface Science*, **2010**, 351, 501-6	9.3	10
58	Post-Synthesis of Ti-SBA-15 in Supercritical CO2-Ethanol Solution. *Clean - Soil, Air, Water*, **2009**, 37, 527-533	3.8	6
57	p-Aminophenylacetic acid-mediated synthesis of monodispersed titanium oxide hybrid microspheres in ethanol solution. *Journal of Colloid and Interface Science*, **2009**, 338, 468-73	9.3	3
56	Pd nanoparticles immobilized on sepiolite by ionic liquids: efficient catalysts for hydrogenation of alkenes and Heck reactions. *Green Chemistry*, **2009**, 11, 96-101	10	83
55	A simple route to coat mesoporous SiO2 layer on carbon nanotubes. *Journal of Materials Chemistry*, **2009**, 19, 3725		85
54	In situ controllable loading of ultrafine noble metal particles on titania. *Journal of the American Chemical Society*, **2009**, 131, 6648-9	16.4	129
53	Imidazolium cation mediated synthesis of polystyrene–polyaniline core–shell structures. *Journal of Materials Chemistry*, **2008**, 18, 5406		23
52	Large-scale production of self-assembled SnO2 nanospheres and their application in high-performance chemiluminescence sensors for hydrogen sulfide gas. *Journal of Materials Chemistry*, **2007**, 17, 1791		71
51	Control Synthesis of Silver Nanosheets, Chainlike Sheets, and Microwires via a Simple Solvent−thermal Method. *Crystal Growth and Design*, **2007**, 7, 900-904	3.5	60
50	Ionic Liquid-Assisted Immobilization of Rh on Attapulgite and Its Application in Cyclohexene Hydrogenation. *Journal of Physical Chemistry C*, **2007**, 111, 2185-2190	3.8	76
49	Facile synthesis of high quality TiO2 nanocrystals in ionic liquid via a microwave-assisted process. *Journal of the American Chemical Society*, **2007**, 129, 6362-3	16.4	288
48	Preparation of titania/carbon nanotube composites using supercritical ethanol and their photocatalytic activity for phenol degradation under visible light irradiation. *Carbon*, **2007**, 45, 1795-1801	10.4	320
47	Coating carbon nanotubes with metal oxides in a supercritical carbon dioxide–ethanol solution. *Carbon*, **2007**, 45, 2589-2596	10.4	62
46	A Simple and Efficient Route to Prepare Inorganic Compound/Polymer Composites in Supercritical Fluids. *Macromolecular Rapid Communications*, **2006**, 27, 787-792	4.8	13
45	Ru Nanoparticles Immobilized on Montmorillonite by Ionic Liquids: A Highly Efficient Heterogeneous Catalyst for the Hydrogenation of Benzene. *Angewandte Chemie*, **2006**, 118, 272-275	3.6	38

44	Sonochemical Formation of Single-Crystalline Gold Nanobelts. *Angewandte Chemie*, **2006**, 118, 1134-1137	7.6	48
43	Solvothermal synthesis of carbon nitrogen nanotubes and nanofibers. *Journal of Materials Research*, **2006**, 21, 1658-1663	2.5	10
42	Synthesis and characterization of TiO2/montmorillonite nanocomposites and their application for removal of methylene blue. *Journal of Materials Chemistry*, **2006**, 16, 579-584		65
41	Microstructural and electrochemical characterization of RuO2/CNT composites synthesized in supercritical diethyl amine. *Carbon*, **2006**, 44, 888-893	10.4	50
40	Decoration carbon nanotubes with Pd and Ru nanocrystals via an inorganic reaction route in supercritical carbon dioxide-methanol solution. *Journal of Colloid and Interface Science*, **2006**, 304, 323-8	9.3	68
39	Microwave-assisted synthesis of pt nanocrystals and deposition on carbon nanotubes in ionic liquids. *Journal of Nanoscience and Nanotechnology*, **2006**, 6, 175-9	1.3	2
38	Ru nanoparticles immobilized on montmorillonite by ionic liquids: a highly efficient heterogeneous catalyst for the hydrogenation of benzene. *Angewandte Chemie - International Edition*, **2005**, 45, 266-9	16.4	181
37	Polypropylene/Silica Nanocomposites Prepared by in-Situ Sol-Gel Reaction with the Aid of CO2. *Macromolecules*, **2005**, 38, 5617-5624	5.5	71
36	Fabrication and characterization of magnetic carbon nanotube composites. *Journal of Materials Chemistry*, **2005**, 15, 4497		76
35	A green and effective method to synthesize ionic liquids: supercritical CO2 route. *Green Chemistry*, **2005**, 7, 701	10	57
34	Solvothermal synthesis of mesoporous Eu2O3-TiO2 composites. *Microporous and Mesoporous Materials*, **2005**, 81, 169-174	5.3	47
33	Carbon onions synthesized via thermal reduction of glycerin with magnesium. *Materials Chemistry and Physics*, **2005**, 93, 178-180	4.4	20
32	Carbon nanoflowers synthesized by a reduction-pyrolysis-catalysis route. *Materials Letters*, **2005**, 59, 456-458	3.3	20
31	A Novel Method to Immobilize Ru Nanoparticles on SBA-15 Firmly by Ionic Liquid and Hydrogenation of Arene. *Catalysis Letters*, **2005**, 103, 59-62	2.8	58
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