Liang-Nian He

List of Publications by Year
in descending order

226 papers	13,448 citations	15466 65 h-index	26548 107 g-index
249 all docs	249 docs citations	249 times ranked	8167 citing authors

#	Article	IF	Citations
1	Heterogeneous esterification of ricinoleic acid with polyol for the synthesis of polyol ricinoleates as biomassâ€based lubricant base oil. JAOCS, Journal of the American Oil Chemists' Society, 2022, 99, 91-99.	0.8	2
2	Metal-Free Hydroxymethylation of Indole Derivatives with Formic Acid as an Alternative Way to Indirect Utilization of CO₂. Journal of Organic Chemistry, 2022, 87, 3775-3779.	1.7	0
3	Morphology and element doping effects: phosphorus-doped hollow polygonal g-C₃N₄ rods for visible light-driven CO₂ reduction. New Journal of Chemistry, 2022, 46, 3017-3025.	1.4	7
4	CO2 capture and utilization with solid waste. Green Chemical Engineering, 2022, 3, 199-209.	3.3	25
5	Visible light-driven carbamoyloxylation of the Î±-C(sp³)â€“H bond of arylacetones <i>via</i> radical-initiated hydrogen atom transfer. Chemical Communications, 2022, 58, 5845-5848.	2.2	3
6	Amphiphilic Polycarbonate Micellar Rhenium Catalysts for Efficient Photocatalytic CO₂ Reduction in Aqueous Media. Angewandte Chemie - International Edition, 2022, 61, .	7.2	25
7	Highly Robust Rhenium(I) Bipyridyl Complexes Containing Dipyrrometheneâ€BF2 Chromophores for Visible Lightâ€Driven CO2 Reduction. ChemSusChem, 2022, , .	3.6	5
8	Palladium-catalyzed carboxylative cyclization of propargylic amines with aryl iodides, CO₂ and CO under ambient pressure. Chemical Communications, 2022, 58, 6332-6335.	2.2	4
9	Synthesis of Dimethyl Carbonate via Transesterification of Ethylene Carbonate and Methanol using Recyclable Li/NaY Zeolite. Asian Journal of Organic Chemistry, 2022, 11, .	1.3	3
10	In-plane benzene incorporated g-C3N4 microtubes: Enhanced visible light harvesting and carrier transportation for photocatalytic CO2 reduction. Fuel, 2022, 326, 125073.	3.4	12
11	Water activated main element-based syngas surrogates for safe functionalization of unsaturated chemicals. Science Bulletin, 2021, 66, 865-867.	4.3	1
12	Copperâ€Catalyzed and Protonâ€Directed Selective Hydroxymethylation of Alkynes with CO₂. Angewandte Chemie - International Edition, 2021, 60, 3984-3988.	7.2	28
13	Copperâ€Catalyzed and Protonâ€Directed Selective Hydroxymethylation of Alkynes with CO₂. Angewandte Chemie, 2021, 133, 4030-4034.	1.6	4
14	Facile synthesis of Î±-aminophosphine oxides from diarylphosphine oxides, arynes and formamides. Chemical Communications, 2021, 57, 9578-9581.	2.2	11
15	The synergistic copper/ppm Pd-catalyzed hydrocarboxylation of alkynes with formic acid as a CO surrogate as well as a hydrogen source: an alternative indirect utilization of CO₂. Green Chemistry, 2021, 23, 8089-8095.	4.6	4
16	Tuning of visible light-driven CO₂reduction and hydrogen evolution activity by using POSS-modified porous organometallic polymers. Journal of Materials Chemistry A, 2021, 9, 16699-16705.	5.2	17
17	Oligomeric ricinoleic acid synthesis with a recyclable catalyst and application to preparing non-isocyanate polyhydroxyurethane. European Polymer Journal, 2021, 153, 110501.	2.6	10
18	Chemodivergent Synthesis of One-Carbon-Extended Alcohols via Copper-Catalyzed Hydroxymethylation of Alkynes with Formic Acid. Organic Letters, 2021, 23, 4997-5001.	2.4	11

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19	Prolonging the Triplet State Lifetimes of Rhenium Complexes with Imidazoleâ€Pyridine Framework for Efficient CO₂ Photoreduction. Chemistry - A European Journal, 2021, 27, 15536-15544.	1.7	9
20	Advances on Transition-Metal Catalyzed CO₂Hydrogenation. Chinese Journal of Organic Chemistry, 2021, 41, 3914.	0.6	7
21	Introduction to CO₂ utilisation. Green Chemistry, 2021, 23, 3499-3501.	4.6	40
22	Ferric Porphyrin-Based Porous Organic Polymers for CO₂ Photocatalytic Reduction to Syngas with Selectivity Control. Chemistry of Materials, 2021, 33, 8863-8872.	3.2	39
23	Bifunctionalization of unsaturated bonds <i>via</i> carboxylative cyclization with CO₂: a sustainable access to heterocyclic compounds. Green Chemistry, 2021, 23, 9334-9347.	4.6	23
24	Enhanced cycloaddition of CO2 to epichlorohydrin over zeolitic imidazolate frameworks with mixed linkers under solventless and co-catalyst-free condition. Catalysis Today, 2020, 339, 337-343.	2.2	62
25	Protic ionic liquid-promoted synthesis of dimethyl carbonate from ethylene carbonate and methanol. Chinese Chemical Letters, 2020, 31, 667-672.	4.8	30
26	Construction of Câ€"Cu Bond: A Useful Strategy in CO₂ Conversion. Organometallics, 2020, 39, 1461-1475.	1.1	36
27	Photocarboxylation with CO₂: an appealing and sustainable strategy for CO₂ fixation. Green Chemistry, 2020, 22, 7301-7320.	4.6	115
28	A rhenium catalyst with bifunctional pyrene groups boosts natural light-driven CO₂ reduction. Green Chemistry, 2020, 22, 8614-8622.	4.6	34
29	Cu(II)-Catalyzed Phosphonocarboxylative Cyclization Reaction of Propargylic Amines and Phosphine Oxide with CO₂. Journal of Organic Chemistry, 2020, 85, 14109-14120.	1.7	25
30	Reduced Graphene Oxide Supported Ag Nanoparticles: An Efficient Catalyst for CO₂ Conversion at Ambient Conditions. ChemCatChem, 2020, 12, 4825-4830.	1.8	22
31	Highly Efficient Conversion of Propargylic Amines and CO₂ Catalyzed by Nobleâ€Metalâ€Free [Zn₁₁₆] Nanocages. Angewandte Chemie - International Edition, 2020, 59, 8586-8593.	7.2	74
32	Highly Efficient Conversion of Propargylic Amines and CO₂ Catalyzed by Nobleâ€Metalâ€Free [Zn₁₁₆] Nanocages. Angewandte Chemie, 2020, 132, 8664-8671.	1.6	10
33	Design of Lewis base functionalized ionic liquids for the N-formylation of amines with CO2 and hydrosilane: The cation effects. Catalysis Today, 2020, 356, 563-569.	2.2	29
34	Oligomeric ricinoleic acid preparation promoted by an efficient and recoverable BrÃ¸nsted acidic ionic liquid. Beilstein Journal of Organic Chemistry, 2020, 16, 351-361.	1.3	3
35	Tuning of Ionic Second Coordination Sphere in Evolved Rhenium Catalyst for Efficient Visibleâ€Lightâ€Driven CO₂ Reduction. ChemSusChem, 2020, 13, 6284-6289.	3.6	30
36	Ionic Liquid-Modified Porous Organometallic Polymers as Efficient and Selective Photocatalysts for Visible-Light-Driven CO ₂ Reduction. Research, 2020, 2020, 9398285.	2.8	10

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37	Synthesis of Î±-hydroxy ketones by copper(I)-catalyzed hydration of propargylic alcohols: CO2 as a cocatalyst under atmospheric pressure. Chinese Journal of Catalysis, 2019, 40, 1345-1351.	6.9	19
38	CO2 Capture and in situ Catalytic Transformation. Frontiers in Chemistry, 2019, 7, 525.	1.8	53
39	Cobalt-based catalysis for carboxylative cyclization of propargylic amines with CO2 at atmospheric pressure. Journal of CO2 Utilization, 2019, 34, 404-410.	3.3	18
40	Response to Commentary by T. Mita on Transition Metal-Catalyzed Carboxylation of Terminal Alkynes with CO2. Mini-Reviews in Organic Chemistry, 2019, 16, 409-409.	0.6	0
41	Efficient and Recyclable Cobalt(II)/Ionic Liquid Catalytic System for CO₂ Conversion to Prepare 2â€Oxazolinones at Atmospheric Pressure. Chinese Journal of Chemistry, 2019, 37, 1223-1228.	2.6	11
42	Metalâ€Free Photocatalytic Synthesis of <i>exo</i>â€Iodomethylene 2â€Oxazolidinones: An Alternative Strategy for CO₂ Valorization with Solar Energy. ChemSusChem, 2019, 12, 5081-5085.	3.6	19
43	Rhodium(<scp>i</scp>)-catalyzed Pausonâ€“Khand-type reaction using formic acid as a CO surrogate: an alternative approach for indirect CO₂ utilization. Green Chemistry, 2019, 21, 509-514.	4.6	23
44	Ionic Liquid-Promoted CO2 Reductive Functionalization. , 2019, , 1-7.		0
45	Preface. Current Organic Synthesis, 2019, 16, 2-2.	0.7	1
46	Transition Metalâ€Catalyzed Reductive Functionalization of CO₂. European Journal of Organic Chemistry, 2019, 2019, 2437-2447.	1.2	46
47	Efficient Catalysts In situ Generated from Zinc, Amide and Benzyl Bromide for Epoxide/CO₂ Coupling Reaction at Atmospheric Pressure. European Journal of Organic Chemistry, 2019, 2019, 1311-1316.	1.2	17
48	An alternative route of CO2 conversion: Pd/C-catalyzed oxazolidinone hydrogenation to HCOOH and secondary alkyl-(2-arylethyl)amines with one stone two bird strategy. Journal of CO2 Utilization, 2019, 29, 74-81.	3.3	11
49	Protic ionic liquid-catalyzed synthesis of oxazolidinones using cyclic carbonates as both CO2 surrogate and sustainable solvent. Catalysis Today, 2019, 324, 167-173.	2.2	12
50	Atom Economy. , 2019, , 3-22.		1
51	Tungstate catalysis: pressure-switched 2- and 6-electron reductive functionalization of CO₂ with amines and phenylsilane. Green Chemistry, 2018, 20, 1564-1570.	4.6	75
52	Thermodynamically favorable protocol for the synthesis of 2-oxazolidinones via Cu(I)-catalyzed three-component reaction of propargylic alcohols, CO2 and 2-aminoethanols. Journal of CO2 Utilization, 2018, 25, 338-345.	3.3	23
53	Photochemical and Electrochemical Carbon Dioxide Utilization with Organic Compounds. Chinese Journal of Chemistry, 2018, 36, 644-659.	2.6	161
54	DMF-promoted reductive functionalization of CO2 with secondary amines and phenylsilane to methylamines. Pure and Applied Chemistry, 2018, 90, 1099-1107.	0.9	11

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55	Transition-Metal-Free Catalysis for the Reductive ÂFunctionalization of CO2 with Amines. Synlett, 2018, 29, 548-555.	1.0	51
56	Selective hydrodeoxygenation of lignin Î²-O-4 model compounds and aromatic ketones promoted by palladium chloride with acidic CO2/MeOH system. Journal of CO2 Utilization, 2018, 24, 328-333.	3.3	9
57	Upgrading CO₂ by Incorporation into Urethanes through Silverâ€Catalyzed Oneâ€Pot Stepwise Amidation Reaction. Chinese Journal of Chemistry, 2018, 36, 147-152.	2.6	28
58	Ionic Liquid-Promoted Three-Component Domino Reaction of Propargyl Alcohols, Carbon Dioxide and 2-Aminoethanols: A Thermodynamically Favorable Synthesis of 2-Oxazolidinones. Molecules, 2018, 23, 3033.	1.7	14
59	Photocatalytic Oxidation and Subsequent Hydrogenolysis of Lignin Î²-O-4 Models to Aromatics Promoted by In Situ Carbonic Acid. ACS Sustainable Chemistry and Engineering, 2018, 6, 15032-15039.	3.2	47
60	Ionic Liquids Catalysis for Carbon Dioxide Conversion With Nucleophiles. Frontiers in Chemistry, 2018, 6, 462.	1.8	38
61	Copper catalysis: ligand-controlled selective <i>N</i>-methylation or <i>N</i>-formylation of amines with CO₂ and phenylsilane. Green Chemistry, 2018, 20, 4853-4858.	4.6	56
62	Waste Recycling: Ionic Liquid-Catalyzed 4-Electron Reduction of CO₂ with Amines and Polymethylhydrosiloxane Combining Experimental and Theoretical Study. ACS Sustainable Chemistry and Engineering, 2018, 6, 8130-8135.	3.2	55
63	Integration of CO₂ Reduction with Subsequent Carbonylation: Towards Extending Chemical Utilization ofâ€‰CO₂. ChemSusChem, 2018, 11, 2062-2067.	3.6	25
64	Inside Back Cover: Photochemical and Electrochemical Carbon Dioxide Utilization with Organic Compounds (Chin. J. Chem. 7/2018). Chinese Journal of Chemistry, 2018, 36, 671-671.	2.6	0
65	Directly Bridging Indoles to 3,3â€²â€Bisindolylmethanes by Using Carboxylic Acids and Hydrosilanes under Mild Conditions. Chemistry - an Asian Journal, 2018, 13, 2664-2670.	1.7	14
66	Sodium Acetate-promoted Oxa-Michael-Aldol [3+2] Annulation Reactions: Facile Access to the Fused Heterocycle. Current Catalysis, 2018, 7, 60-64.	0.5	4
67	Efficient Ironâ€Catalyzed Reductive Nâ€Alkylation of Aromatic Amines with Carboxylic Acid and Phenylsilane. Asian Journal of Organic Chemistry, 2018, 7, 1815-1818.	1.3	15
68	Green chemistry education and activity in China. Current Opinion in Green and Sustainable Chemistry, 2018, 13, 123-129.	3.2	20
69	Integrative Photoreduction of CO₂ with Subsequent Carbonylation: Photocatalysis for Reductive Functionalization of CO₂. ChemSusChem, 2018, 11, 3382-3387.	3.6	40
70	Atom Economy. , 2018, , 1-21.		2
71	Transition Metal-Catalyzed Carboxylation of Terminal Alkynes with CO2. Mini-Reviews in Organic Chemistry, 2018, 15, 283-290.	0.6	17
72	Silver Chloride/Triphenylphosphine-Promoted Carboxylation of Arylboronic Esters with Carbon Dioxide at Atmospheric Pressure. Current Organic Synthesis, 2018, 14, .	0.7	0

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73	Photoinduced radical-initiated carboxylative cyclization of allyl amines with carbon dioxide. Green Chemistry, 2017, 19, 1240-1244.	4.6	89
74	Synthesis of Lactones and Other Heterocycles. Topics in Current Chemistry, 2017, 375, 21.	3.0	13
75	DBU as activator for the N -iodosuccinimide promoted chemical fixation of carbon dioxide with epoxides. Journal of CO2 Utilization, 2017, 19, 28-32.	3.3	25
76	Carboxylate-promoted reductive functionalization of CO₂ with amines and hydrosilanes under mild conditions. Green Chemistry, 2017, 19, 1726-1731.	4.6	79
77	Copper(II)-Catalyzed Selective Reductive Methylation of Amines with Formic Acid: An Option for Indirect Utilization of CO₂. Organic Letters, 2017, 19, 1490-1493.	2.4	70
78	Silver(I)-Promoted Cascade Reaction of Propargylic Alcohols, Carbon Dioxide, and Vicinal Diols: Thermodynamically Favorable Route to Cyclic Carbonates. ACS Omega, 2017, 2, 337-345.	1.6	44
79	Ag^I/TMGâ€Promoted Cascade Reaction of Propargyl Alcohols, Carbon Dioxide, and 2â€Aminoethanols to 2â€Oxazolidinones. ChemPhysChem, 2017, 18, 3182-3188.	1.0	26
80	Cluster-based MOFs with accelerated chemical conversion of CO₂ through Câ€"C bond formation. Chemical Communications, 2017, 53, 6013-6016.	2.2	89
81	Betaine Catalysis for Hierarchical Reduction of CO₂ with Amines and Hydrosilane To Form Formamides, Aminals, and Methylamines. Angewandte Chemie - International Edition, 2017, 56, 7425-7429.	7.2	176
82	Betaine Catalysis for Hierarchical Reduction of CO₂ with Amines and Hydrosilane To Form Formamides, Aminals, and Methylamines. Angewandte Chemie, 2017, 129, 7533-7537.	1.6	31
83	Efficient, selective and sustainable catalysis of carbon dioxide. Green Chemistry, 2017, 19, 3707-3728.	4.6	797
84	New routes for CO2 activation and subsequent conversion. Current Opinion in Green and Sustainable Chemistry, 2017, 7, 31-38.	3.2	17
85	Solubility Determination and Correlation of Gatifloxacin, Enrofloxacin, and Ciprofloxacin in Supercritical CO₂. Journal of Chemical & Engineering Data, 2017, 62, 4235-4243.	1.0	15
86	Ruthenium-promoted reductive transformation of CO2. Science China Chemistry, 2017, 60, 841-852.	4.2	19
87	Inâ€…Situ Generated Zinc(II) Catalyst for Incorporation of CO₂ into 2â€Oxazolidinones with Propargylic Amines at Atmospheric Pressure. ChemSusChem, 2017, 10, 1210-1216.	3.6	73
88	Synthesis of Lactones and Other Heterocycles. Topics in Current Chemistry Collections, 2017, , 145-176.	0.2	0
89	Synthesis of Urea Derivatives using Carbon Dioxide as Carbonylation Reagent in Ionic Liquids. Current Organocatalysis, 2017, 4, .	0.3	5
90	Robust Silver(I) Catalyst for the Carboxylative Cyclization of Propargylic Alcohols with Carbon Dioxide under Ambient Conditions. Advanced Synthesis and Catalysis, 2016, 358, 1251-1258.	2.1	95

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91	Silver(I)â€Catalyzed Threeâ€Component Reaction of Propargylic Alcohols, Carbon Dioxide and Monohydric Alcohols: Thermodynamically Feasible Access to Î²â€Oxopropyl Carbonates. Chemistry - an Asian Journal, 2016, 11, 2065-2071.	1.7	29
92	Green Catalytic Process for Cyclic Carbonate Synthesis from Carbon Dioxide under Mild Conditions. Chemical Record, 2016, 16, 1337-1352.	2.9	93
93	Protic ionic liquids-promoted efficient synthesis of quinazolines from 2-aminobenzonitriles and CO2 at ambient conditions. Journal of CO2 Utilization, 2016, 15, 115-122.	3.3	50
94	Zn-salen complexes with multiple hydrogen bonding donor and protic ammonium bromide: Bifunctional catalysts for CO2 fixation with epoxides at atmospheric pressure. Journal of Molecular Catalysis A, 2016, 420, 208-215.	4.8	64
95	Industrial Production of Dimethyl Carbonate from CO2 in China. , 2016, , 387-411.		3
96	Heterocyclic Synthesis Through C-N Bond Formation with Carbon Dioxide. , 2016, , 435-453.		2
97	A Porous Metalâ€"Organic Framework Assembled by [Cu₃₀] Nanocages: Serving as Recyclable Catalysts for CO₂ Fixation with Aziridines. Advanced Science, 2016, 3, 1600048.	5.6	96
98	Front Cover Picture: Robust Silver(I) Catalyst for the Carboxylative Cyclization of Propargylic Alcohols with Carbon Dioxide under Ambient Conditions (Adv. Synth. Catal. 8/2016). Advanced Synthesis and Catalysis, 2016, 358, 1173-1173.	2.1	1
99	One-pot stepwise synthesis of cyclic carbonates directly from olefins with CO2 promoted by K2S2O8/NaBr. Journal of CO2 Utilization, 2016, 16, 313-317.	3.3	16
100	Thermodynamically Favorable Synthesis of 2â€Oxazolidinones through Silverâ€Catalyzed Reaction of Propargylic Alcohols, CO_{2,} and 2â€Aminoethanols. ChemSusChem, 2016, 9, 2054-2058.	3.6	48
101	Fluorideâ€Catalyzed Methylation of Amines by Reductive Functionalization of CO₂ with Hydrosilanes. Chemistry - A European Journal, 2016, 22, 16489-16493.	1.7	105
102	Hydrogen bonding-inspired organocatalysts for CO2 fixation with epoxides to cyclic carbonates. Catalysis Today, 2016, 263, 69-74.	2.2	74
103	Cu(<scp>ii</scp>)-catalyzed esterification reaction via aerobic oxidative cleavage of C(CO)â€"C(alkyl) bonds. Chemical Communications, 2016, 52, 2145-2148.	2.2	21
104	Propylene oxide as a dehydrating agent: potassium carbonate-catalyzed carboxylative cyclization of propylene glycol with CO₂ in a polyethylene glycol/CO₂ biphasic system. RSC Advances, 2016, 6, 32400-32404.	1.7	12
105	Carbon dioxide promoted reductive amination of aldehydes in water mediated by iron powder and catalytic palladium on activated carbon. Catalysis Today, 2016, 274, 35-39.	2.2	12
106	Cooperative calcium-based catalysis with 1,8-diazabicyclo[5.4.0]-undec-7-ene for the cycloaddition of epoxides with CO₂ at atmospheric pressure. Green Chemistry, 2016, 18, 2871-2876.	4.6	91
107	Polyoxometalate-based ionic liquids-promoted CO2 conversion. Science China Chemistry, 2016, 59, 507-516.	4.2	37
108	Efficient conversion of carbon dioxide at atmospheric pressure to 2-oxazolidinones promoted by bifunctional Cu(<scp>ii</scp>)-substituted polyoxometalate-based ionic liquids. Green Chemistry, 2016, 18, 282-287.	4.6	129

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109	An efficient and recyclable tetraoxo-coordinated zinc catalyst for the cycloaddition of epoxides with carbon dioxide at atmospheric pressure. Green Chemistry, 2016, 18, 226-231.	4.6	156
110	Reductive Carboxylation of Unsaturated Hydrocarbons with Carbon Dioxide. Acta Chimica Sinica, 2016, 74, 17.	0.5	20
111	Cu(I)-Catalyzed Three-Component Reaction of Propargylic Alcohol, Secondary Amines and Atmospheric CO₂. Chinese Journal of Organic Chemistry, 2016, 36, 744.	0.6	12
112	Silver(I)â€Catalyzed Synthesis of Î²â€Oxopropylcarbamates from Propargylic Alcohols and CO₂ Surrogate: A Gasâ€Free Process. ChemSusChem, 2015, 8, 3967-3972.	3.6	38
113	Meet the Editorial Board:. Current Organic Synthesis, 2015, 12, 1-2.	0.7	0
114	Metal-promoted Carboxylation of Alkynes/allenes with Carbon Dioxide. Current Green Chemistry, 2015, 2, 14-25.	0.7	11
115	Copper(<scp>i</scp>)/phosphine-catalyzed tandem carboxylation/annulation of terminal alkynes under ambient pressure of CO₂: one-pot access to 3a-hydroxyisoxazolo[3,2-a]isoindol-8(3aH)-ones. Green Chemistry, 2015, 17, 4061-4067.	4.6	37
116	Copper(I)@Carbon-Catalyzed Carboxylation of Terminal Alkynes with CO₂ at Atmospheric Pressure. ACS Catalysis, 2015, 5, 3940-3944.	5.5	101
117	Copper(I)-based ionic liquid-catalyzed carboxylation of terminal alkynes with CO2 at atmospheric pressure. Tetrahedron Letters, 2015, 56, 7059-7062.	0.7	41
118	Tetra-butylphosphonium arginine-based ionic liquid-promoted cyclization of 2-aminobenzonitrile with carbon dioxide. RSC Advances, 2015, 5, 15668-15673.	1.7	34
119	Fe(NO3)3Â·9H2O-catalyzed aerobic oxidation of sulfides to sulfoxides under mild conditions with the aid of trifluoroethanol. Chinese Chemical Letters, 2015, 26, 539-542.	4.8	10
120	Bio-aviation fuel production from hydroprocessing castor oil promoted by the nickel-based bifunctional catalysts. Bioresource Technology, 2015, 183, 93-100.	4.8	174
121	Transition Metal-Free Incorporation of CO2. Topics in Organometallic Chemistry, 2015, , 143-169.	0.7	9
122	Transition Metal-Promoted CO₂Conversion under Mild Reaction Conditions. ACS Symposium Series, 2015, , 47-70.	0.5	4
123	Palladiumâ€Catalyzed Carboxylation of Benzyl Chlorides with Atmospheric Carbon Dioxide in Combination with Manganese/Magnesium Chloride. ChemCatChem, 2015, 7, 3972-3977.	1.8	47
124	Bifunctional Silver(I) Complexâ€Catalyzed CO₂ Conversion at Ambient Conditions: Synthesis of Î±â€Methylene Cyclic Carbonates and Derivatives. ChemSusChem, 2015, 8, 821-827.	3.6	135
125	Catalytic conversion of carbon dioxide to carboxylic acid derivatives. , 2015, 5, 17-33.		54
126	Mesoporous zirconium phosphonates as efficient catalysts for chemical CO₂ fixation. Green Chemistry, 2015, 17, 795-798.	4.6	49

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127	Silver tungstate: a single-component bifunctional catalyst for carboxylation of terminal alkynes with CO₂ in ambient conditions. Green Chemistry, 2015, 17, 474-479.	4.6	98
128	Upgrading Carbon Dioxide by Incorporation into Heterocycles. ChemSusChem, 2015, 8, 52-62.	3.6	320
129	Sustainable Solid Catalysts for Cyclic Carbonate Synthesis from CO₂ and Epoxide. Current Organic Chemistry, 2015, 19, 681-694.	0.9	45
130	Efficient CO₂ capture by tertiary amine-functionalized ionic liquids through Li⁺-stabilized zwitterionic adduct formation. Beilstein Journal of Organic Chemistry, 2014, 10, 1959-1966.	1.3	27
131	Coordination effect-regulated CO₂capture with an alkali metal onium salts/crown ether system. Green Chemistry, 2014, 16, 253-258.	4.6	39
132	Homogeneous hydrogenation of carbon dioxide to methanol. Catalysis Science and Technology, 2014, 4, 1498-1512.	2.1	236
133	Metal-free chemoselective oxidation of sulfides by in situ generated Koserâ€™s reagent in aqueous media. Tetrahedron Letters, 2014, 55, 1818-1821.	0.7	49
134	Equimolar Carbon Absorption by Potassium Phthalimide and In Situ Catalytic Conversion Under Mild Conditions. ChemSusChem, 2014, 7, 1484-1489.	3.6	45
135	Carbon Capture with Simultaneous Activation and Its Subsequent Transformation. Advances in Inorganic Chemistry, 2014, 66, 289-345.	0.4	14
136	An in situ acidic carbon dioxide/glycol system for aerobic oxidative iodination of electron-rich aromatics catalyzed by Fe(NO₃)₃Â·9H₂O. Catalysis Science and Technology, 2014, 4, 4308-4312.	2.1	11
137	Magnetic base catalysts for the chemical fixation of carbon dioxide to quinazoline-2,4(1H,3H)-diones. RSC Advances, 2014, 4, 28941-28946.	1.7	36
138	Efficient hydrogenation of imines over Fe and ZnO powder in a self-neutralizing acidic CO2â€“H2O system. RSC Advances, 2014, 4, 11867.	1.7	10
139	An integrated process of CO₂capture and in situ hydrogenation to formate using a tunable ethoxyl-functionalized amidine and Rh/bisphosphine system. RSC Advances, 2014, 4, 49995-50002.	1.7	33
140	Capture and Fixation of CO2 Promoted by Guanidine Derivatives. Australian Journal of Chemistry, 2014, 67, 980.	0.5	30
141	Efficient chemical fixation of CO2 promoted by a bifunctional Ag2WO4/Ph3P system. Green Chemistry, 2014, 16, 1633.	4.6	185
142	Carboxylation of terminal alkynes at ambient CO2 pressure in ethylene carbonate. Green Chemistry, 2013, 15, 2401.	4.6	78
143	Catalytic Activation and Conversion of Carbon Dioxide into Fuels/Value-Added Chemicals Through C C Bond Formation. , 2013, , 81-147.		5
144	Carboxylation of olefins/alkynes with CO2 to industrially relevant acrylic acid derivatives. Journal of CO2 Utilization, 2013, 1, 60-68.	3.3	99

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145	PEG400-enhanced synthesis of gem-dichloroaziridines and gem-dichlorocyclopropanes via in situ generated dichlorocarbene. RSC Advances, 2013, 3, 19009.	1.7	15
146	In situ hydrogenation of captured CO2 to formate with polyethyleneimine and Rh/monophosphine system. Green Chemistry, 2013, 15, 2825.	4.6	112
147	Design of task-specific ionic liquids for catalytic conversion of CO2 with aziridines under mild conditions. Catalysis Today, 2013, 200, 2-8.	2.2	57
148	Catalytic fixation of CO₂to cyclic carbonates by phosphonium chlorides immobilized on fluorous polymer. Green Chemistry, 2013, 15, 110-115.	4.6	114
149	Polyethylene glycol radical-initiated aerobic propargylic oxidation in dense carbon dioxide. Journal of Energy Chemistry, 2013, 22, 363-367.	7.1	1
150	Reduction of sulfoxides and pyridine-N-oxides over iron powder with water as hydrogen source promoted by carbon dioxide. Green Chemistry, 2013, 15, 1274.	4.6	49
151	Highly Efficient SO₂Absorption and Its Subsequent Utilization by Weak Base/Polyethylene Glycol Binary System. Environmental Science & Technology, 2013, 47, 1598-1605.	4.6	64
152	CO2 Capture, Activation, and Subsequent Conversion with PEG. Springer Briefs in Molecular Science, 2012, , 71-76.	0.1	1
153	Functionalized-PEG as Catalysts for CO2 Conversion. Springer Briefs in Molecular Science, 2012, , 55-70.	0.1	0
154	Equimolar CO₂ Capture by Nâ€Substituted Amino Acid Salts and Subsequent Conversion. Angewandte Chemie - International Edition, 2012, 51, 11306-11310.	7.2	206
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