Da-Gang Yu

List of Publications by Year in Descending Order

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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.

109 papers	7,920 citations	49 h-index	88 g-index
142 ext. papers	9,264 ext. citations	9.1 avg, IF	6.53 L-index

#	Paper	IF	Citations
109	Using CO 2 as CH and CH 2 Sources **2022**, 1217-1263		0
108	Electrochemical Ring-Opening Dicarboxylation of Strained Carbon-Carbon Single Bonds with CO: Facile Synthesis of Diacids and Derivatization into Polyesters.. *Journal of the American Chemical Society*, **2022**,	16.4	6
107	Visible-Light Photoredox-Catalyzed Carboxylation of Activated C(sp3)-O Bonds with CO2. *ACS Catalysis*, **2022**, 12, 18-24	13.1	9
106	Visible-light photoredox-catalyzed carboxylation of benzyl halides with CO2: Mild and transition-metal-free. *Chinese Journal of Catalysis*, **2022**, 43, 1667-1673	11.3	3
105	Highly reductive photocatalytic systems in organic synthesis. *Trends in Chemistry*, **2022**, 4, 512-527	14.8	2
104	Photocatalytic carboxylation with CO2. *Advances in Catalysis*, **2022**,	2.4	
103	Nickel-catalyzed electrochemical carboxylation of unactivated aryl and alkyl halides with CO. *Nature Communications*, **2021**, 12, 7086	17.4	9
102	Dicarboxylation of alkenes, allenes and (hetero)arenes with CO2 via visible-light photoredox catalysis. *Nature Catalysis*, **2021**, 4, 304-311	36.5	31
101	Nickel-Catalyzed Asymmetric Reductive Carbo-Carboxylation of Alkenes with CO. *Angewandte Chemie - International Edition*, **2021**, 60, 14068-14075	16.4	22
100	Nickel-Catalyzed Asymmetric Reductive Carbo-Carboxylation of Alkenes with CO2. *Angewandte Chemie*, **2021**, 133, 14187-14194	3.6	0
99	Radical Carboxylative Cyclizations and Carboxylations with CO. *Accounts of Chemical Research*, **2021**, 54, 2518-2531	24.3	43
98	Visible-light-driven external-photocatalyst-free alkylative carboxylation of alkenes with CO2. *Science China Chemistry*, **2021**, 64, 1164-1169	7.9	4
97	Visible-light photoredox-catalyzed umpolung carboxylation of carbonyl compounds with CO. *Nature Communications*, **2021**, 12, 3306	17.4	13
96	Visible-Light-Driven Anti-Markovnikov Hydrocarboxylation of Acrylates and Styrenes with CO 2. *CCS Chemistry*, **2021**, 3, 1746-1756	7.2	35
95	Transition-metal-free synthesis of thiazolidin-2-ones and 1,3-thiazinan-2-ones from arylamines, elemental sulfur and CO2. *Green Chemistry*, **2021**, 23, 274-279	10	6
94	Amino Acids and Peptides as Bifunctional Reagents: Carbocarboxylation of Activated Alkenes via Recycling CO. *Journal of the American Chemical Society*, **2021**, 143, 2812-2821	16.4	38
93	Visible-Light-Driven Phosphonoalkylation of Alkenes. *Synlett*, **2021**, 32, 378-382	2.2	3

92	Visible-light photoredox-catalyzed selective carboxylation of C(sp3)H bonds with CO2. *CheM*, **2021**,	16.2	18
91	Recent progress and challenges in carboxylation with CO2. *Current Opinion in Green and Sustainable Chemistry*, **2021**, 32, 100525	7.9	12
90	CO = CO + [O]: recent advances in carbonylation of C-H bonds with CO. *Chemical Communications*, **2020**, 56, 8355-8367	5.8	51
89	Reductive dearomative arylcarboxylation of indoles with CO via visible-light photoredox catalysis. *Nature Communications*, **2020**, 11, 3263	17.4	58
88	Light Runs Across Iron Catalysts in Organic Transformations. *Chemistry - A European Journal*, **2020**, 26, 15052-15064	4.8	26
87	Visible-Light Photoredox and Palladium Dual Catalysis in Organic Synthesis. *Chinese Journal of Organic Chemistry*, **2020**, 40, 3697	3	11
86	Cu-Catalyzed Selective Oxy-Cyanoalkylation of Allylamines with Cycloketone Oxime Esters and CO2. *Chinese Journal of Chemistry*, **2020**, 38, 69-76	4.9	18
85	Transition-metal-free lactamization of C(sp3)H bonds with CO2: facile generation of pyrido[1,2-a]pyrimidin-4-ones. *Green Chemistry*, **2020**, 22, 28-32	10	18
84	Visible-Light Photoredox-Catalyzed Ring-Opening Carboxylation of Cyclic Oxime Esters with CO. *ChemSusChem*, **2020**, 13, 6312-6317	8.3	12
83	Visible-Light Photoredox-Catalyzed Remote Difunctionalizing Carboxylation of Unactivated Alkenes with CO2. *Angewandte Chemie*, **2020**, 132, 21307-21314	3.6	12
82	Visible-Light Photoredox-Catalyzed Remote Difunctionalizing Carboxylation of Unactivated Alkenes with CO. *Angewandte Chemie - International Edition*, **2020**, 59, 21121-21128	16.4	52
81	Recent advances in asymmetric synthesis with CO2. *Science China Chemistry*, **2020**, 63, 1336-1351	7.9	37
80	Visible-Light-Driven Catalytic Reductive Carboxylation with CO2. *ACS Catalysis*, **2020**, 10, 10871-10885	13.1	79
79	Visible Light-induced Palladium-catalysis in Organic Synthesis. *Chemistry Letters*, **2019**, 48, 181-191	1.7	33
78	Conversion of Carbonyl Compounds to Olefins via Enolate Intermediate. *Chinese Journal of Chemistry*, **2019**, 37, 781-785	4.9	4
77	Transition metal-free phosphonocarboxylation of alkenes with carbon dioxide via visible-light photoredox catalysis. *Nature Communications*, **2019**, 10, 3592	17.4	92
76	Copper-Catalyzed Carboxylation of CH Bonds with CO2. *ACS Catalysis*, **2019**, 9, 6987-6992	13.1	57
75	Visible-light-mediated external-reductant-free reductive cross coupling of benzylammonium salts with (hetero)aryl nitriles. *Science China Chemistry*, **2019**, 62, 1519-1524	7.9	22

74	Highly Selective and Catalytic Generation of Acyclic Quaternary Carbon Stereocenters via Functionalization of 1,3-Dienes with CO. *Journal of the American Chemical Society*, **2019**, 141, 18825-18835	16.4	66
73	Radical-Type Difunctionalization of Alkenes with CO2. *Acta Chimica Sinica*, **2019**, 77, 783	3.3	51
72	Visible light-driven organic photochemical synthesis in China. *Science China Chemistry*, **2019**, 62, 24-57	7.9	255
71	Lactonization of C(sp2)–H Bonds in Enamides with CO2. *Chinese Journal of Chemistry*, **2018**, 36, 430-436	4.9	33
70	Oxy-Difluoroalkylation of Allylamines with CO via Visible-Light Photoredox Catalysis. *Organic Letters*, **2018**, 20, 190-193	6.2	79
69	Oxy-Alkylation of Allylamines with Unactivated Alkyl Bromides and CO via Visible-Light-Driven Palladium Catalysis. *Organic Letters*, **2018**, 20, 3049-3052	6.2	71
68	Ruthenium-catalyzed umpolung carboxylation of hydrazones with CO. *Chemical Science*, **2018**, 9, 4873-4878	9.4	52
67	Arylation of Aniline C(sp3)–H Bonds with Phenols via an In Situ Activation Strategy. *Asian Journal of Organic Chemistry*, **2018**, 7, 537-541	3	12
66	Transition metal-catalyzed carboxylation of unsaturated substrates with CO2. *Coordination Chemistry Reviews*, **2018**, 374, 439-463	23.2	108
65	Palladium-catalyzed C(carbonyl)-C bond cleavage of amides: a facile access to phenylcarbamate derivatives with alcohols. *Chemical Communications*, **2018**, 54, 8606-8609	5.8	7
64	Back Cover: Lactonization of C(sp2)–H Bonds in Enamides with CO2 (Chin. J. Chem. 5/2018). *Chinese Journal of Chemistry*, **2018**, 36, 472-472	4.9	
63	Synthesis of tetronic acids from propargylic alcohols and CO. *Chemical Communications*, **2018**, 54, 5610-5613	5.8	13
62	Selective and Catalytic Hydrocarboxylation of Enamides and Imines with CO to Generate α,α-Disubstituted α-Amino Acids. *Angewandte Chemie - International Edition*, **2018**, 57, 13897-13901	16.4	92
61	Merging Transition-Metal Catalysis with Photoredox Catalysis: An Environmentally Friendly Strategy for C–H Functionalization. *Synthesis*, **2018**, 50, 3359-3378	2.9	49
60	Catalytic Lactonization of Unactivated Aryl C-H Bonds with CO: Experimental and Computational Investigation. *Organic Letters*, **2018**, 20, 3776-3779	6.2	42
59	The mechanism of copper-catalyzed oxytrifluoromethylation of allylamines with CO2: a computational study. *Organic Chemistry Frontiers*, **2018**, 5, 633-639	5.2	41
58	Visible-Light-Driven External-Reductant-Free Cross-Electrophile Couplings of Tetraalkyl Ammonium Salts. *Journal of the American Chemical Society*, **2018**, 140, 17338-17342	16.4	101
57	Selective and Catalytic Hydrocarboxylation of Enamides and Imines with CO2 to Generate α,α-Disubstituted α-Amino Acids. *Angewandte Chemie*, **2018**, 130, 14093-14097	3.6	22

56	Pd-catalyzed carbonylation of aryl C–H bonds in benzamides with CO2. *Organic Chemistry Frontiers*, **2018**, 5, 2086-2090	5.2	35
55	Synthesis of Oxazolidin-2-ones from Unsaturated Amines with CO by Using Homogeneous Catalysis. *Chemistry - an Asian Journal*, **2018**, 13, 2292-2306	4.5	60
54	Transition-Metal-Free Lactonization of sp C-H Bonds with CO. *Organic Letters*, **2017**, 19, 396-399	6.2	54
53	Coupling of C(sp)-H bonds with C(sp)-O electrophiles: mild, general and selective. *Chemical Communications*, **2017**, 53, 1192-1195	5.8	22
52	CO2 = CO + O: Redox-Neutral Lactamization and Lactonization of C–H Bonds with CO2. *Synlett*, **2017**, 28, 741-750	2.2	62
51	Photochemical Carboxylation of Activated C(sp)-H Bonds with CO. *ChemSusChem*, **2017**, 10, 1337-1340	8.3	98
50	Visible-Light-Driven Iron-Promoted Thiocarboxylation of Styrenes and Acrylates with CO2. *Angewandte Chemie*, **2017**, 129, 15618-15622	3.6	38
49	Visible-Light-Driven Iron-Promoted Thiocarboxylation of Styrenes and Acrylates with CO. *Angewandte Chemie - International Edition*, **2017**, 56, 15416-15420	16.4	143
48	Visible-Light-Driven Palladium-Catalyzed Radical Alkylation of C-H Bonds with Unactivated Alkyl Bromides. *Angewandte Chemie - International Edition*, **2017**, 56, 15683-15687	16.4	126
47	Visible-Light-Driven Palladium-Catalyzed Radical Alkylation of C–H Bonds with Unactivated Alkyl Bromides. *Angewandte Chemie*, **2017**, 129, 15889-15893	3.6	32
46	Highly Regio- and Enantioselective Copper-Catalyzed Reductive Hydroxymethylation of Styrenes and 1,3-Dienes with CO. *Journal of the American Chemical Society*, **2017**, 139, 17011-17014	16.4	147
45	Arylation of Amide and Urea C(sp3)–H Bonds with Aryl Tosylates Generated In Situ from Phenols. *Synlett*, **2017**, 28, 2581-2586	2.2	6
44	Radical Trifluoromethylative Dearomatization of Indoles and Furans with CO2. *ACS Catalysis*, **2017**, 7, 8324-8330	13.1	63
43	Phosphorylation of Alkenyl and Aryl C-O Bonds via Photoredox/Nickel Dual Catalysis. *Organic Letters*, **2017**, 19, 3735-3738	6.2	70
42	Palladium-Catalyzed Radical-Type Transformations of Alkyl Halides. *Chinese Journal of Organic Chemistry*, **2017**, 37, 1322	3	13
41	Selective Oxytrifluoromethylation of Allylamines with CO2. *Angewandte Chemie*, **2016**, 128, 10176-10180	3.6	15
40	Selective Oxytrifluoromethylation of Allylamines with CO2. *Angewandte Chemie - International Edition*, **2016**, 55, 10022-6	16.4	87
39	Photoredox sheds new light on nickel catalysis: from carbon–carbon to carbon–heteroatom bond formation. *Organic Chemistry Frontiers*, **2016**, 3, 522-526	5.2	117

38	Lactamization of sp2 C□H Bonds with CO2: Transition-Metal-Free and Redox-Neutral. *Angewandte Chemie*, **2016**, 128, 7184-7188	3.6	40
37	Lactamization of sp(2) C-H Bonds with CO2 : Transition-Metal-Free and Redox-Neutral. *Angewandte Chemie - International Edition*, **2016**, 55, 7068-72	16.4	147
36	Nickel- or Iron-Catalyzed Cross-Coupling of Aryl Carbamates with Arylsilanes. *Advanced Synthesis and Catalysis*, **2016**, 358, 2410-2416	5.6	26
35	Cobalt(III)-Catalyzed Directed C-H Allylation. *Organic Letters*, **2015**, 17, 3714-7	6.2	162
34	Direct cross-coupling of benzyl alcohols to construct diarylmethanes via palladium catalysis. *Chemical Communications*, **2015**, 51, 2683-6	5.8	44
33	Cp*Rh(III) -Catalyzed Arylation of C(sp(3))-H Bonds. *Angewandte Chemie - International Edition*, **2015**, 54, 10280-3	16.4	76
32	Cp*RhIII-katalysierte Arylierung von C(sp3)-H-Bindungen. *Angewandte Chemie*, **2015**, 127, 10419-10422	3.6	19
31	□MsO/TsO/Cl ketones as oxidized alkyne equivalents: redox-neutral rhodium(III)-catalyzed C-H activation for the synthesis of N-heterocycles. *Angewandte Chemie - International Edition*, **2014**, 53, 2754-8	16.4	134
30	Die C-H-Aktivierungs/1,3-Diin-Strategie: hochselektive direkte Synthese vielf□□tiger Bisheterocyclen mithilfe von RhIII-Katalyse. *Angewandte Chemie*, **2014**, 126, 9804-9809	3.6	43
29	Direkte Funktionalisierung mit vollst□□diger und schaltbarer Positionskontrolle: freies Phenol als Vorbild. *Angewandte Chemie*, **2014**, 126, 7842-7845	3.6	14
28	The C-H activation/1,3-diyne strategy: highly selective direct synthesis of diverse bisheterocycles by Rh(III) catalysis. *Angewandte Chemie - International Edition*, **2014**, 53, 9650-4	16.4	142
27	Direct functionalization with complete and switchable positional control: free phenol as a role model. *Angewandte Chemie - International Edition*, **2014**, 53, 7710-2	16.4	50
26	□MsO/TsO/Cl-Ketone als oxidierte Alkin-□quivalente: redoxneutrale Rhodium(III)-katalysierte C-H-Aktivierung zur Synthese von N-Heterocyclen. *Angewandte Chemie*, **2014**, 126, 2792-2796	3.6	35
25	Co(III)-catalyzed C-H activation/formal SN-type reactions: selective and efficient cyanation, halogenation, and allylation. *Journal of the American Chemical Society*, **2014**, 136, 17722-5	16.4	460
24	Homogeneous Transition-Metal-Catalyzed C□O Bond Activation **2014**, 347-439		5
23	Fe-promoted cross coupling of homobenzylic methyl ethers with Grignard reagents via sp3 C-O bond cleavage. *Chemical Communications*, **2013**, 49, 7794-6	5.8	34
22	[3]Dendralene synthesis: rhodium(III)-catalyzed alkenyl C-H activation and coupling reaction with allenyl carbinol carbonate. *Angewandte Chemie - International Edition*, **2013**, 52, 12430-4	16.4	137
21	Rh(III)/Cu(II)-cocatalyzed synthesis of 1H-indazoles through C-H amidation and N-N bond formation. *Journal of the American Chemical Society*, **2013**, 135, 8802-5	16.4	275

20	Programmed selective sp2 C-O bond activation toward multiarylated benzenes. *Organic Letters*, **2013**, 15, 3230-3	6.2	49
19	[3]Dendralensynthese: Rhodium(III)-katalysierte Alkenyl-C-H- Aktivierung und Kupplungsreaktion mit Allenylcarbinolcarbonat. *Angewandte Chemie*, **2013**, 125, 12657-12661	3.6	52
18	Challenges in C□□ bond formation through direct transformations of sp2 C□H bonds. *Tetrahedron*, **2012**, 68, 5130-5136	2.4	78
17	Direct arylation/alkylation/magnesiation of benzyl alcohols in the presence of Grignard reagents via Ni-, Fe-, or Co-catalyzed sp3 C-O bond activation. *Journal of the American Chemical Society*, **2012**, 134, 14638-41	16.4	111
16	Arylation of □-pivaloxyl ketones with arylboronic reagents via Ni-catalyzed sp3 C-O activation. *Chemical Communications*, **2011**, 47, 7224-6	5.8	34
15	Cross-coupling of Aryl/Alkenyl Silyl Ethers with Grignard Reagents through Nickel-catalyzed C□O Bond Activation. *Chemistry Letters*, **2011**, 40, 1001-1003	1.7	38
14	Mutual Activation: Suzuki□Miyaura Coupling through Direct Cleavage of the sp2 C?O Bond of Naphtholate. *Angewandte Chemie*, **2011**, 123, 7235-7238	3.6	42
13	Mutual activation: Suzuki-Miyaura coupling through direct cleavage of the sp2 C-O bond of naphtholate. *Angewandte Chemie - International Edition*, **2011**, 50, 7097-100	16.4	137
12	Borylation of aryl and alkenyl carbamates through Ni-catalyzed C-O activation. *Chemistry - A European Journal*, **2011**, 17, 786-91	4.8	102
11	Activation of "inert" alkenyl/aryl C-O bond and its application in cross-coupling reactions. *Chemistry - A European Journal*, **2011**, 17, 1728-59	4.8	385
10	The catalytic ability of various transition metals in the direct functionalization of aromatic C-H bonds. *Chemistry - A European Journal*, **2011**, 17, 3593-7	4.8	80
9	An efficient organocatalytic method for constructing biaryls through aromatic C-H activation. *Nature Chemistry*, **2010**, 2, 1044-9	17.6	544
8	Exploration of new C-O electrophiles in cross-coupling reactions. *Accounts of Chemical Research*, **2010**, 43, 1486-95	24.3	493
7	Pd-catalyzed C-H functionalizations of O-methyl oximes with arylboronic acids. *Organic Letters*, **2010**, 12, 184-7	6.2	127
6	Biaryl construction through Kumada coupling with diaryl sulfates as one-by-one electrophiles under mild conditions. *Organic Letters*, **2010**, 12, 396-9	6.2	50
5	Direct Application of Phenolic Salts to Nickel-Catalyzed Cross-Coupling Reactions with Aryl Grignard Reagents. *Angewandte Chemie*, **2010**, 122, 4670-4674	3.6	41
4	Direct application of phenolic salts to nickel-catalyzed cross-coupling reactions with aryl Grignard reagents. *Angewandte Chemie - International Edition*, **2010**, 49, 4566-70	16.4	145
3	Carbon-carbon formation via Ni-catalyzed Suzuki-Miyaura coupling through C-CN bond cleavage of aryl nitrile. *Organic Letters*, **2009**, 11, 3374-7	6.2	100

2	Biaryl construction via Ni-catalyzed C-O activation of phenolic carboxylates. *Journal of the American Chemical Society*, **2008**, 130, 14468-70	16.4	330
1	Prediction of Multicomponent Reaction Yields Using Machine Learning. *Chinese Journal of Chemistry*,	4.9	3