

Da-Gang Yu

List of Publications by Citations

Source: <https://exaly.com/author-pdf/425089/da-gang-yu-publications-by-citations.pdf>

Version: 2024-04-20

This document has been generated based on the publications and citations recorded by exaly.com. For the latest version of this publication list, visit the link given above.

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	An efficient organocatalytic method for constructing biaryls through aromatic C-H activation. <i>Nature Chemistry</i> , 2010 , 2, 1044-9	17.6	544
108	Exploration of new C-O electrophiles in cross-coupling reactions. <i>Accounts of Chemical Research</i> , 2010 , 43, 1486-95	24.3	493
107	Co(III)-catalyzed C-H activation/formal SN-type reactions: selective and efficient cyanation, halogenation, and allylation. <i>Journal of the American Chemical Society</i> , 2014 , 136, 17722-5	16.4	460
106	Activation of "inert" alkenyl/aryl C-O bond and its application in cross-coupling reactions. <i>Chemistry - A European Journal</i> , 2011 , 17, 1728-59	4.8	385
105	Biaryl construction via Ni-catalyzed C-O activation of phenolic carboxylates. <i>Journal of the American Chemical Society</i> , 2008 , 130, 14468-70	16.4	330
104	Rh(III)/Cu(II)-cocatalyzed synthesis of 1H-indazoles through C-H amidation and N-N bond formation. <i>Journal of the American Chemical Society</i> , 2013 , 135, 8802-5	16.4	275
103	Visible light-driven organic photochemical synthesis in China. <i>Science China Chemistry</i> , 2019 , 62, 24-57	7.9	255
102	Cobalt(III)-Catalyzed Directed C-H Allylation. <i>Organic Letters</i> , 2015 , 17, 3714-7	6.2	162
101	Highly Regio- and Enantioselective Copper-Catalyzed Reductive Hydroxymethylation of Styrenes and 1,3-Dienes with CO. <i>Journal of the American Chemical Society</i> , 2017 , 139, 17011-17014	16.4	147
100	Lactamization of sp(2) C-H Bonds with CO ₂ : Transition-Metal-Free and Redox-Neutral. <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 7068-72	16.4	147
99	Direct application of phenolic salts to nickel-catalyzed cross-coupling reactions with aryl Grignard reagents. <i>Angewandte Chemie - International Edition</i> , 2010 , 49, 4566-70	16.4	145
98	Visible-Light-Driven Iron-Promoted Thiocarboxylation of Styrenes and Acrylates with CO. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15416-15420	16.4	143
97	The C-H activation/1,3-diyne strategy: highly selective direct synthesis of diverse bisheterocycles by Rh(III) catalysis. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 9650-4	16.4	142
96	[3]Dendralene synthesis: rhodium(III)-catalyzed alkenyl C-H activation and coupling reaction with allenyl carbinol carbonate. <i>Angewandte Chemie - International Edition</i> , 2013 , 52, 12430-4	16.4	137
95	Mutual activation: Suzuki-Miyaura coupling through direct cleavage of the sp ² C-O bond of naphtholate. <i>Angewandte Chemie - International Edition</i> , 2011 , 50, 7097-100	16.4	137
94	EMsO/TsO/Cl ketones as oxidized alkyne equivalents: redox-neutral rhodium(III)-catalyzed C-H activation for the synthesis of N-heterocycles. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 2754-8	16.4	134
93	Pd-catalyzed C-H functionalizations of O-methyl oximes with arylboronic acids. <i>Organic Letters</i> , 2010 , 12, 184-7	6.2	127

92	Visible-Light-Driven Palladium-Catalyzed Radical Alkylation of C-H Bonds with Unactivated Alkyl Bromides. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 15683-15687	16.4	126
91	Photoredox sheds new light on nickel catalysis: from carbon-carbon to carbon-heteroatom bond formation. <i>Organic Chemistry Frontiers</i> , 2016 , 3, 522-526	5.2	117
90	Direct arylation/alkylation/magnesiation of benzyl alcohols in the presence of Grignard reagents via Ni-, Fe-, or Co-catalyzed sp ³ C-O bond activation. <i>Journal of the American Chemical Society</i> , 2012 , 134, 14638-41	16.4	111
89	Transition metal-catalyzed carboxylation of unsaturated substrates with CO ₂ . <i>Coordination Chemistry Reviews</i> , 2018 , 374, 439-463	23.2	108
88	Borylation of aryl and alkenyl carbamates through Ni-catalyzed C-O activation. <i>Chemistry - A European Journal</i> , 2011 , 17, 786-91	4.8	102
87	Visible-Light-Driven External-Reductant-Free Cross-Electrophile Couplings of Tetraalkyl Ammonium Salts. <i>Journal of the American Chemical Society</i> , 2018 , 140, 17338-17342	16.4	101
86	Carbon-carbon formation via Ni-catalyzed Suzuki-Miyaura coupling through C-CN bond cleavage of aryl nitrile. <i>Organic Letters</i> , 2009 , 11, 3374-7	6.2	100
85	Photochemical Carboxylation of Activated C(sp ³)-H Bonds with CO. <i>ChemSusChem</i> , 2017 , 10, 1337-1340	8.3	98
84	Selective and Catalytic Hydrocarboxylation of Enamides and Imines with CO to Generate α -Disubstituted β -Amino Acids. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 13897-13901	16.4	92
83	Transition metal-free phosphonocarboxylation of alkenes with carbon dioxide via visible-light photoredox catalysis. <i>Nature Communications</i> , 2019 , 10, 3592	17.4	92
82	Selective Oxytrifluoromethylation of Allylamines with CO ₂ . <i>Angewandte Chemie - International Edition</i> , 2016 , 55, 10022-6	16.4	87
81	The catalytic ability of various transition metals in the direct functionalization of aromatic C-H bonds. <i>Chemistry - A European Journal</i> , 2011 , 17, 3593-7	4.8	80
80	Oxy-Difluoroalkylation of Allylamines with CO via Visible-Light Photoredox Catalysis. <i>Organic Letters</i> , 2018 , 20, 190-193	6.2	79
79	Visible-Light-Driven Catalytic Reductive Carboxylation with CO ₂ . <i>ACS Catalysis</i> , 2020 , 10, 10871-10885	13.1	79
78	Challenges in C-C bond formation through direct transformations of sp ² C-H bonds. <i>Tetrahedron</i> , 2012 , 68, 5130-5136	2.4	78
77	Cp*Rh(III)-Catalyzed Arylation of C(sp ³)-H Bonds. <i>Angewandte Chemie - International Edition</i> , 2015 , 54, 10280-3	16.4	76
76	Oxy-Alkylation of Allylamines with Unactivated Alkyl Bromides and CO via Visible-Light-Driven Palladium Catalysis. <i>Organic Letters</i> , 2018 , 20, 3049-3052	6.2	71
75	Phosphorylation of Alkenyl and Aryl C-O Bonds via Photoredox/Nickel Dual Catalysis. <i>Organic Letters</i> , 2017 , 19, 3735-3738	6.2	70

74	Highly Selective and Catalytic Generation of Acyclic Quaternary Carbon Stereocenters via Functionalization of 1,3-Dienes with CO. <i>Journal of the American Chemical Society</i> , 2019 , 141, 18825-18835	16.4	66
73	Radical Trifluoromethylative Dearomatization of Indoles and Furans with CO ₂ . <i>ACS Catalysis</i> , 2017 , 7, 8324-8330	13.1	63
72	CO ₂ = CO + O: Redox-Neutral Lactamization and Lactonization of C≡C Bonds with CO ₂ . <i>Synlett</i> , 2017 , 28, 741-750	2.2	62
71	Synthesis of Oxazolidin-2-ones from Unsaturated Amines with CO by Using Homogeneous Catalysis. <i>Chemistry - an Asian Journal</i> , 2018 , 13, 2292-2306	4.5	60
70	Reductive dearomative arylcarboxylation of indoles with CO via visible-light photoredox catalysis. <i>Nature Communications</i> , 2020 , 11, 3263	17.4	58
69	Copper-Catalyzed Carboxylation of C≡C Bonds with CO ₂ . <i>ACS Catalysis</i> , 2019 , 9, 6987-6992	13.1	57
68	Transition-Metal-Free Lactonization of sp C-H Bonds with CO. <i>Organic Letters</i> , 2017 , 19, 396-399	6.2	54
67	Ruthenium-catalyzed umpolung carboxylation of hydrazones with CO. <i>Chemical Science</i> , 2018 , 9, 4873-4878	4.7	52
66	[3]Dendralensynthese: Rhodium(III)-katalysierte Alkenyl-C-H- Aktivierung und Kupplungsreaktion mit Allenylcarbinolcarbonat. <i>Angewandte Chemie</i> , 2013 , 125, 12657-12661	3.6	52
65	Visible-Light Photoredox-Catalyzed Remote Difunctionalizing Carboxylation of Unactivated Alkenes with CO. <i>Angewandte Chemie - International Edition</i> , 2020 , 59, 21121-21128	16.4	52
64	CO = CO + [O]: recent advances in carbonylation of C-H bonds with CO. <i>Chemical Communications</i> , 2020 , 56, 8355-8367	5.8	51
63	Radical-Type Difunctionalization of Alkenes with CO ₂ . <i>Acta Chimica Sinica</i> , 2019 , 77, 783	3.3	51
62	Direct functionalization with complete and switchable positional control: free phenol as a role model. <i>Angewandte Chemie - International Edition</i> , 2014 , 53, 7710-2	16.4	50
61	Biaryl construction through Kumada coupling with diaryl sulfates as one-by-one electrophiles under mild conditions. <i>Organic Letters</i> , 2010 , 12, 396-9	6.2	50
60	Merging Transition-Metal Catalysis with Photoredox Catalysis: An Environmentally Friendly Strategy for C≡C Functionalization. <i>Synthesis</i> , 2018 , 50, 3359-3378	2.9	49
59	Programmed selective sp ² C-O bond activation toward multiarylated benzenes. <i>Organic Letters</i> , 2013 , 15, 3230-3	6.2	49
58	Direct cross-coupling of benzyl alcohols to construct diarylmethanes via palladium catalysis. <i>Chemical Communications</i> , 2015 , 51, 2683-6	5.8	44
57	Die C-H-Aktivierungs/1,3-Diin-Strategie: hochselektive direkte Synthese vielfältiger Bisheterocyclen mithilfe von Rh(III)-Katalyse. <i>Angewandte Chemie</i> , 2014 , 126, 9804-9809	3.6	43

56	Radical Carboxylative Cyclizations and Carboxylations with CO. <i>Accounts of Chemical Research</i> , 2021 , 54, 2518-2531	24.3	43
55	Catalytic Lactonization of Unactivated Aryl C-H Bonds with CO: Experimental and Computational Investigation. <i>Organic Letters</i> , 2018 , 20, 3776-3779	6.2	42
54	Mutual Activation: Suzuki-Miyaura Coupling through Direct Cleavage of the sp ² C-O Bond of Naphtholate. <i>Angewandte Chemie</i> , 2011 , 123, 7235-7238	3.6	42
53	Direct Application of Phenolic Salts to Nickel-Catalyzed Cross-Coupling Reactions with Aryl Grignard Reagents. <i>Angewandte Chemie</i> , 2010 , 122, 4670-4674	3.6	41
52	The mechanism of copper-catalyzed oxytrifluoromethylation of allylamines with CO ₂ : a computational study. <i>Organic Chemistry Frontiers</i> , 2018 , 5, 633-639	5.2	41
51	Lactamization of sp ² C-H Bonds with CO ₂ : Transition-Metal-Free and Redox-Neutral. <i>Angewandte Chemie</i> , 2016 , 128, 7184-7188	3.6	40
50	Visible-Light-Driven Iron-Promoted Thiocarboxylation of Styrenes and Acrylates with CO ₂ . <i>Angewandte Chemie</i> , 2017 , 129, 15618-15622	3.6	38
49	Cross-coupling of Aryl/Alkenyl Silyl Ethers with Grignard Reagents through Nickel-catalyzed C-O Bond Activation. <i>Chemistry Letters</i> , 2011 , 40, 1001-1003	1.7	38
48	β-Amino Acids and Peptides as Bifunctional Reagents: Carbocarboxylation of Activated Alkenes via Recycling CO. <i>Journal of the American Chemical Society</i> , 2021 , 143, 2812-2821	16.4	38
47	Recent advances in asymmetric synthesis with CO ₂ . <i>Science China Chemistry</i> , 2020 , 63, 1336-1351	7.9	37
46	β-MSO/TsO/Cl-Ketone als oxidierte Alkin-Äquivalente: redoxneutrale Rhodium(III)-katalysierte C-H-Aktivierung zur Synthese von N-Heterocyclen. <i>Angewandte Chemie</i> , 2014 , 126, 2792-2796	3.6	35
45	Visible-Light-Driven Anti-Markovnikov Hydrocarboxylation of Acrylates and Styrenes with CO ₂ . <i>CCS Chemistry</i> , 2021 , 3, 1746-1756	7.2	35
44	Pd-catalyzed carbonylation of aryl C-H bonds in benzamides with CO ₂ . <i>Organic Chemistry Frontiers</i> , 2018 , 5, 2086-2090	5.2	35
43	Fe-promoted cross coupling of homobenzylic methyl ethers with Grignard reagents via sp ³ C-O bond cleavage. <i>Chemical Communications</i> , 2013 , 49, 7794-6	5.8	34
42	Arylation of β-epivaloxyl ketones with arylboronic reagents via Ni-catalyzed sp ³ C-O activation. <i>Chemical Communications</i> , 2011 , 47, 7224-6	5.8	34
41	Visible Light-induced Palladium-catalysis in Organic Synthesis. <i>Chemistry Letters</i> , 2019 , 48, 181-191	1.7	33
40	Lactonization of C(sp ²)-H Bonds in Enamides with CO ₂ . <i>Chinese Journal of Chemistry</i> , 2018 , 36, 430-436	4.9	33
39	Visible-Light-Driven Palladium-Catalyzed Radical Alkylation of C-H Bonds with Unactivated Alkyl Bromides. <i>Angewandte Chemie</i> , 2017 , 129, 15889-15893	3.6	32

38	Dicarboxylation of alkenes, allenes and (hetero)arenes with CO ₂ via visible-light photoredox catalysis. <i>Nature Catalysis</i> , 2021 , 4, 304-311	36.5	31
37	Light Runs Across Iron Catalysts in Organic Transformations. <i>Chemistry - A European Journal</i> , 2020 , 26, 15052-15064	4.8	26
36	Nickel- or Iron-Catalyzed Cross-Coupling of Aryl Carbamates with Arylsilanes. <i>Advanced Synthesis and Catalysis</i> , 2016 , 358, 2410-2416	5.6	26
35	Coupling of C(sp)-H bonds with C(sp)-O electrophiles: mild, general and selective. <i>Chemical Communications</i> , 2017 , 53, 1192-1195	5.8	22
34	Visible-light-mediated external-reductant-free reductive cross coupling of benzylammonium salts with (hetero)aryl nitriles. <i>Science China Chemistry</i> , 2019 , 62, 1519-1524	7.9	22
33	Nickel-Catalyzed Asymmetric Reductive Carbo-Carboxylation of Alkenes with CO. <i>Angewandte Chemie - International Edition</i> , 2021 , 60, 14068-14075	16.4	22
32	Selective and Catalytic Hydrocarboxylation of Enamides and Imines with CO ₂ to Generate β -Disubstituted β -Amino Acids. <i>Angewandte Chemie</i> , 2018 , 130, 14093-14097	3.6	22
31	Cp*RhIII-katalysierte Arylierung von C(sp ³)-H-Bindungen. <i>Angewandte Chemie</i> , 2015 , 127, 10419-10422	3.6	19
30	Cu-Catalyzed Selective Oxy-Cyanoalkylation of Allylamines with Cycloketone Oxime Esters and CO ₂ . <i>Chinese Journal of Chemistry</i> , 2020 , 38, 69-76	4.9	18
29	Transition-metal-free lactamization of C(sp ³) β bonds with CO ₂ : facile generation of pyrido[1,2-a]pyrimidin-4-ones. <i>Green Chemistry</i> , 2020 , 22, 28-32	10	18
28	Visible-light photoredox-catalyzed selective carboxylation of C(sp ³) β bonds with CO ₂ . <i>CheM</i> , 2021 , 1, 1-10	16.2	18
27	Selective Oxytrifluoromethylation of Allylamines with CO ₂ . <i>Angewandte Chemie</i> , 2016 , 128, 10176-10180	9.6	15
26	Direkte Funktionalisierung mit vollständiger und schaltbarer Positionskontrolle: freies Phenol als Vorbild. <i>Angewandte Chemie</i> , 2014 , 126, 7842-7845	3.6	14
25	Synthesis of tetronic acids from propargylic alcohols and CO. <i>Chemical Communications</i> , 2018 , 54, 5610-5613	5.3	13
24	Palladium-Catalyzed Radical-Type Transformations of Alkyl Halides. <i>Chinese Journal of Organic Chemistry</i> , 2017 , 37, 1322	3	13
23	Visible-light photoredox-catalyzed umpolung carboxylation of carbonyl compounds with CO. <i>Nature Communications</i> , 2021 , 12, 3306	17.4	13
22	Arylation of Aniline C(sp ³) β Bonds with Phenols via an In Situ Activation Strategy. <i>Asian Journal of Organic Chemistry</i> , 2018 , 7, 537-541	3	12
21	Visible-Light Photoredox-Catalyzed Ring-Opening Carboxylation of Cyclic Oxime Esters with CO. <i>ChemSusChem</i> , 2020 , 13, 6312-6317	8.3	12

20	Visible-Light Photoredox-Catalyzed Remote Difunctionalizing Carboxylation of Unactivated Alkenes with CO ₂ . <i>Angewandte Chemie</i> , 2020 , 132, 21307-21314	3.6	12
19	Recent progress and challenges in carboxylation with CO ₂ . <i>Current Opinion in Green and Sustainable Chemistry</i> , 2021 , 32, 100525	7.9	12
18	Visible-Light Photoredox and Palladium Dual Catalysis in Organic Synthesis. <i>Chinese Journal of Organic Chemistry</i> , 2020 , 40, 3697	3	11
17	Visible-Light Photoredox-Catalyzed Carboxylation of Activated C(sp ³)-O Bonds with CO ₂ . <i>ACS Catalysis</i> , 2022 , 12, 18-24	13.1	9
16	Nickel-catalyzed electrochemical carboxylation of unactivated aryl and alkyl halides with CO. <i>Nature Communications</i> , 2021 , 12, 7086	17.4	9
15	Palladium-catalyzed C(carbonyl)-C bond cleavage of amides: a facile access to phenylcarbamate derivatives with alcohols. <i>Chemical Communications</i> , 2018 , 54, 8606-8609	5.8	7
14	Arylation of Amide and Urea C(sp ³) Bonds with Aryl Tosylates Generated In Situ from Phenols. <i>Synlett</i> , 2017 , 28, 2581-2586	2.2	6
13	Electrochemical Ring-Opening Dicarboxylation of Strained Carbon-Carbon Single Bonds with CO: Facile Synthesis of Diacids and Derivatization into Polyesters.. <i>Journal of the American Chemical Society</i> , 2022 ,	16.4	6
12	Transition-metal-free synthesis of thiazolidin-2-ones and 1,3-thiazinan-2-ones from arylamines, elemental sulfur and CO ₂ . <i>Green Chemistry</i> , 2021 , 23, 274-279	10	6
11	Homogeneous Transition-Metal-Catalyzed C-D Bond Activation 2014 , 347-439		5
10	Conversion of Carbonyl Compounds to Olefins via Enolate Intermediate. <i>Chinese Journal of Chemistry</i> , 2019 , 37, 781-785	4.9	4
9	Visible-light-driven external-photocatalyst-free alkylative carboxylation of alkenes with CO ₂ . <i>Science China Chemistry</i> , 2021 , 64, 1164-1169	7.9	4
8	Visible-Light-Driven Phosphonoalkylation of Alkenes. <i>Synlett</i> , 2021 , 32, 378-382	2.2	3
7	Prediction of Multicomponent Reaction Yields Using Machine Learning. <i>Chinese Journal of Chemistry</i> ,	4.9	3
6	Visible-light photoredox-catalyzed carboxylation of benzyl halides with CO ₂ : Mild and transition-metal-free. <i>Chinese Journal of Catalysis</i> , 2022 , 43, 1667-1673	11.3	3
5	Highly reductive photocatalytic systems in organic synthesis. <i>Trends in Chemistry</i> , 2022 , 4, 512-527	14.8	2
4	Using CO ₂ as [C ₁ H ₄] and [C ₁ H ₂] Sources 2022 , 1217-1263		0
3	Nickel-Catalyzed Asymmetric Reductive Carbo-Carboxylation of Alkenes with CO ₂ . <i>Angewandte Chemie</i> , 2021 , 133, 14187-14194	3.6	0

- 2 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
- 1 Photocatalytic carboxylation with CO₂. *Advances in Catalysis*, **2022**, 2-4