

Troels Skrydstrup

List of Publications by Year in descending order

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297
papers

15,302
citations

15495
65
h-index

31818
101
g-index

405
all docs

405
docs citations

405
times ranked

11738
citing authors

#	ARTICLE	IF	CITATIONS
1	Evaluation of Manganese Catalysts for the Hydrogenative Deconstruction of Commercial and End-of-Life Polyurethane Samples. <i>ChemSusChem</i> , 2022, 15, .	3.6	16
2	Selective N-Terminal Acylation of Peptides and Proteins with Tunable Phenol Esters. <i>Bioconjugate Chemistry</i> , 2022, 33, 625-633.	1.8	4
3	Pd-Catalyzed Difluoromethylations of Aryl Boronic Acids, Halides, and Pseudohalides with ICF_2H Generated ex Situ. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	6
4	New Phenol Esters for Efficient pH-Controlled Amine Acylation of Peptides, Proteins, and Sepharose Beads in Aqueous Media. <i>Bioconjugate Chemistry</i> , 2022, 33, 172-179.	1.8	7
5	Synthetic developments on the preparation of sulfides from thiol-free reagents. <i>Organic Chemistry Frontiers</i> , 2021, 8, 326-368.	2.3	24
6	Incorporation of nickel single atoms into carbon paper as self-standing electrocatalyst for CO_2 reduction. <i>Journal of Materials Chemistry A</i> , 2021, 9, 1583-1592.	5.2	35
7	Hydrophobic Copper Interfaces Boost Electroreduction of Carbon Dioxide to Ethylene in Water. <i>ACS Catalysis</i> , 2021, 11, 958-966.	5.5	120
8	A Nickel(II)-Mediated Thiocarbonylation Strategy for Carbon Isotope Labeling of Aliphatic Carboxamides. <i>Chemistry - A European Journal</i> , 2021, 27, 7114-7123.	1.7	10
9	Design and Applications of a SO_2 Surrogate in Palladium-Catalyzed Direct Aminosulfonylation between Aryl Iodides and Amines. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7353-7359.	7.2	40
10	Design and Applications of a SO_2 Surrogate in Palladium-Catalyzed Direct Aminosulfonylation between Aryl Iodides and Amines. <i>Angewandte Chemie</i> , 2021, 133, 7429-7435.	1.6	0
11	Are Amines the Holy Grail for Facilitating CO_2 Reduction?. <i>Angewandte Chemie</i> , 2021, 133, 9258-9263.	1.6	3
12	Are Amines the Holy Grail for Facilitating CO_2 Reduction?. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9174-9179.	7.2	48
13	Catalytic Hydrogenation of Polyurethanes to Base Chemicals: From Model Systems to Commercial and End-of-Life Polyurethane Materials. <i>Jacs Au</i> , 2021, 1, 517-524.	3.6	45
14	On-demand synthesis of phosphoramidites. <i>Nature Communications</i> , 2021, 12, 2760.	5.8	16
15	Highly Scalable Conversion of Blood Porphyrin to Efficient Electrocatalyst for CO_2 to CO Conversion. <i>Advanced Materials Interfaces</i> , 2021, 8, 2100067.	1.9	4
16	Mechanistic Elucidation of Dimer Formation and Strategies for Its Suppression in Electrochemical Reduction of $\text{Mn}(\text{bpy})(\text{CO})_3\text{Br}$. <i>ChemElectroChem</i> , 2021, 8, 2108-2114.	1.7	17
17	Low-Valence Zn^{+} ($0 < \text{Ox} < 2$) Single-Atom Material as Highly Efficient Electrocatalyst for CO_2 Reduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22826-22832.	7.2	115
18	Low-Valence Zn^{+} ($0 < \text{Ox} < 2$) Single-Atom Material as Highly Efficient Electrocatalyst for CO_2 Reduction. <i>Angewandte Chemie</i> , 2021, 133, 23008-23014.	1.6	12

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19	Nickel-Mediated Alkoxycarbonylation for Complete Carbon Isotope Replacement. <i>Journal of the American Chemical Society</i> , 2021, 143, 17816-17824.	6.6	22
20	Regioselective Hydroalkylation of Vinylarenes via Cooperative Cu and Ni Catalysis. <i>Angewandte Chemie - International Edition</i> , 2021, , .	7.2	5
21	Promoting Selective Generation of Formic Acid from CO ₂ Using Mn(bpy)(CO) ₃ Br as Electrocatalyst and Triethylamine/isopropanol as Additives. <i>Journal of the American Chemical Society</i> , 2021, 143, 20491-20500.	6.6	24
22	Ligand-Controlled Product Selectivity in Electrochemical Carbon Dioxide Reduction Using Manganese Bipyridine Catalysts. <i>Journal of the American Chemical Society</i> , 2020, 142, 4265-4275.	6.6	114
23	Achieving Near-Unity CO Selectivity for CO ₂ Electroreduction on an Iron-Decorated Carbon Material. <i>ChemSusChem</i> , 2020, 13, 6360-6369.	3.6	8
24	Renewable Solvents for Palladium-Catalyzed Carbonylation Reactions. <i>Organic Process Research and Development</i> , 2020, 24, 2665-2675.	1.3	32
25	Main element chemistry enables gas-cylinder-free hydroformylations. <i>Nature Catalysis</i> , 2020, 3, 843-850.	16.1	34
26	Access to Aryl and Heteroaryl Trifluoromethyl Ketones from Aryl Bromides and Fluorosulfates with Stoichiometric CO. <i>Organic Letters</i> , 2020, 22, 4068-4072.	2.4	17
27	Controlled Release of Reactive Gases: A Tale of Taming Carbon Monoxide. <i>ChemPlusChem</i> , 2020, 85, 1529-1533.	1.3	14
28	Evaluation of the Electrocatalytic Reduction of Carbon Dioxide using Rhenium and Ruthenium Bipyridine Catalysts Bearing Pendant Amines in the Secondary Coordination Sphere. <i>Organometallics</i> , 2020, 39, 1480-1490.	1.1	30
29	Direct Access to Isotopically Labeled Aliphatic Ketones Mediated by Nickel(I) Activation. <i>Angewandte Chemie</i> , 2020, 132, 8176-8180.	1.6	8
30	Silylcarboxylic Acids as Bifunctional Reagents: Application in Palladium-Catalyzed External-CO-Free Carbonylative Cross-Coupling Reactions. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 4078-4083.	2.1	9
31	Robust tuning metal/carbon heterointerfaces via ketonic oxygen enables hydrogen evolution reaction outperforming Pt/C. <i>Applied Surface Science</i> , 2020, 529, 147080.	3.1	3
32	Stoichiometric Studies on the Carbonylative Trifluoromethylation of Aryl Pd(II) Complexes using TMSCF ₃ as the Trifluoromethyl Source. <i>Organometallics</i> , 2020, 39, 688-697.	1.1	12
33	Restructuring Metal-Organic Frameworks to Nanoscale Bismuth Electrocatalysts for Highly Active and Selective CO ₂ Reduction to Formate. <i>Advanced Functional Materials</i> , 2020, 30, 1910408.	7.8	110
34	Carbonylative Suzuki-Miyaura couplings of sterically hindered aryl halides: synthesis of 2-arylbenzoate derivatives. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 1754-1759.	1.5	9
35	Direct Access to Isotopically Labeled Aliphatic Ketones Mediated by Nickel(I) Activation. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 8099-8103.	7.2	32
36	Carbon Isotope Labeling Strategy for β^2 -Amino Acid Derivatives via Carbonylation of Azanickellacycles. <i>Journal of the American Chemical Society</i> , 2019, 141, 11821-11826.	6.6	29

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37	Liquid Marbles: A Promising and Versatile Platform for Miniaturized Chemical Reactions. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 11952-11954.	7.2	22
38	Flüssigmurmeln: Eine vielversprechende und vielseitige Plattform für Miniaturisierte Chemische Reaktionen. <i>Angewandte Chemie</i> , 2019, 131, 12078-12080.	1.6	1
39	Access to α -Ketonitriles through Nickel-Catalyzed Carbonylative Coupling of α -Bromonitriles with Alkylzinc Reagents. <i>Chemistry - A European Journal</i> , 2019, 25, 9856-9860.	1.7	42
40	COTab: Expedient and Safe Setup for Pd-Catalyzed Carbonylation Chemistry. <i>Organic Letters</i> , 2019, 21, 5775-5778.	2.4	15
41	Direct Access to Aryl Bis(trifluoromethyl)carbinols from Aryl Bromides or Fluorosulfates: Palladium-Catalyzed Carbonylation. <i>Angewandte Chemie</i> , 2018, 130, 6974-6978.	1.6	9
42	Chemically and electrochemically catalysed conversion of CO ₂ to CO with follow-up utilization to value-added chemicals. <i>Nature Catalysis</i> , 2018, 1, 244-254.	16.1	373
43	Direct Access to Aryl Bis(trifluoromethyl)carbinols from Aryl Bromides or Fluorosulfates: Palladium-Catalyzed Carbonylation. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 6858-6862.	7.2	38
44	Palladium Catalyzed Carbonylative Coupling of Alkyl Boron Reagents with Bromodifluoroacetamides. <i>ACS Catalysis</i> , 2018, 8, 3853-3858.	5.5	29
45	Carbonylative Coupling of Alkyl Zinc Reagents with Benzyl Bromides Catalyzed by a Nickel/ NN^{2+} -Pincer Ligand Complex. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 800-804.	7.2	85
46	Carbonylative Coupling of Alkyl Zinc Reagents with Benzyl Bromides Catalyzed by a Nickel/ NN^{2+} -Pincer Ligand Complex. <i>Angewandte Chemie</i> , 2018, 130, 808-812.	1.6	21
47	Ligand-free gold nanoparticles supported on mesoporous carbon as electrocatalysts for CO ₂ reduction. <i>Journal of CO₂ Utilization</i> , 2018, 28, 50-58.	3.3	16
48	New Directions in Transition Metal Catalyzed Carbonylation Chemistry. <i>Chimia</i> , 2018, 72, 606.	0.3	13
49	Ex Situ Formation of Methanethiol: Application in the Gold(I)-Promoted Anti-Markovnikov Hydrothiolation of Olefins. <i>Angewandte Chemie</i> , 2018, 130, 14083-14087.	1.6	3
50	Ex Situ Formation of Methanethiol: Application in the Gold(I)-Promoted Anti-Markovnikov Hydrothiolation of Olefins. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 13887-13891.	7.2	38
51	Facile Synthesis of Iron- and Nitrogen-Doped Porous Carbon for Selective CO ₂ Electroreduction. <i>ACS Applied Nano Materials</i> , 2018, 1, 3608-3615.	2.4	21
52	Synthesis of Aliphatic Carboxamides Mediated by Nickel NN^{2+} -Pincer Complexes and Adaptation to Carbon-Isotope Labeling. <i>Chemistry - A European Journal</i> , 2018, 24, 14946-14949.	1.7	16
53	Recent developments in carbonylation chemistry using [¹³ C]CO, [¹¹ C]CO, and [¹⁴ C]CO. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018, 61, 949-987.	0.5	47
54	Intermittent, low dose carbon monoxide exposure enhances survival and dopaminergic differentiation of human neural stem cells. <i>PLoS ONE</i> , 2018, 13, e0191207.	1.1	20

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55	Selective CO ₂ Reduction to CO in Water using Earth-Abundant Metal and Nitrogen-Doped Carbon Electrocatalysts. ACS Catalysis, 2018, 8, 6255-6264.	5.5	267
56	Pd-catalyzed carbonylative α -arylation of azlactones: A formal four-component coupling route to α,α -disubstituted amino acids. Journal of Catalysis, 2018, 364, 366-370.	3.1	8
57	Copper-Catalyzed Carboxylation of Hydroborated Disubstituted Alkenes and Terminal Alkynes with Cesium Fluoride. ACS Catalysis, 2017, 7, 1392-1396.	5.5	59
58	Evidence for Single-Electron Pathways in the Reaction between Palladium(II) Dialkyl Complexes and Alkyl Bromides under Thermal and Photoinduced Conditions. Organometallics, 2017, 36, 2058-2066.	1.1	17
59	Palladium-Catalyzed Aminocarbonylation in Solid-Phase Peptide Synthesis: A Method for Capping, Cyclization, and Isotope Labeling. Organic Letters, 2017, 19, 2873-2876.	2.4	32
60	Enhanced Catalytic Activity of Cobalt Porphyrin in CO ₂ Electroreduction upon Immobilization on Carbon Materials. Angewandte Chemie, 2017, 129, 6568-6572.	1.6	62
61	Enhanced Catalytic Activity of Cobalt Porphyrin in CO ₂ Electroreduction upon Immobilization on Carbon Materials. Angewandte Chemie - International Edition, 2017, 56, 6468-6472.	7.2	305
62	Access to Perfluoroalkyl-Substituted Enones and Indolin-2-ones via Multicomponent Pd-Catalyzed Carbonylative Reactions. Journal of Organic Chemistry, 2017, 82, 6474-6481.	1.7	33
63	Application of Methyl Bisphosphine-Ligated Palladium Complexes for Low Pressure α -Acetylation of Peptides. Angewandte Chemie - International Edition, 2017, 56, 4549-4553.	7.2	34
64	Efficient Water Reduction with sp^3 - sp^3 Diboron(4) Compounds: Application to Hydrogenations, H^2 Exchange Reactions, and Carbonyl Reductions. Angewandte Chemie - International Edition, 2017, 56, 15910-15915.	7.2	54
65	<i>Ex situ</i> generation of stoichiometric HCN and its application in the Pd-catalysed cyanation of aryl bromides: evidence for a transmetallation step between two oxidative addition Pd-complexes. Chemical Science, 2017, 8, 8094-8105.	3.7	35
66	Scalable carbon dioxide electroreduction coupled to carbonylation chemistry. Nature Communications, 2017, 8, 489.	5.8	54
67	Experimental and Theoretical Studies on the Reduction of CO ₂ to CO with Chloro(methyl)disilane Components from the Direct Process. Synlett, 2017, 28, 2439-2444.	1.0	6
68	Application of Methyl Bisphosphine-Ligated Palladium Complexes for Low Pressure α -Acetylation of Peptides. Angewandte Chemie, 2017, 129, 4620-4624.	1.6	11
69	Utilizing Glycerol as an Ex Situ CO-Source in Pd-Catalyzed Alkoxy carbonylation of Styrenes. ACS Catalysis, 2017, 7, 6089-6093.	5.5	30
70	Synthesis and selective α , β , and γ -labeling of the Tau protein binder THK523. Journal of Labelled Compounds and Radiopharmaceuticals, 2017, 60, 30-35.	0.5	16
71	Efficient Water Reduction with sp^3 - sp^3 Diboron(4) Compounds: Application to Hydrogenations, H^2 Exchange Reactions, and Carbonyl Reductions. Angewandte Chemie, 2017, 129, 16126-16131.	1.6	15
72	A Palladium-Catalyzed Double Carbonylation Approach to Isatins from 2-Haloanilines. European Journal of Organic Chemistry, 2016, 2016, 1881-1885.	1.2	22

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73	Incorporation of Si^2Si^3 Amino Acids in the Antimicrobial Peptide Alamethicin Provides a 20-Fold Increase in Membrane Permeabilization. <i>Chemistry - A European Journal</i> , 2016, 22, 8358-8367.	1.7	21
74	Cooperative redox activation for carbon dioxide conversion. <i>Nature Communications</i> , 2016, 7, 13782.	5.8	49
75	Controlled electropolymerisation of a carbazole-functionalised iron porphyrin electrocatalyst for CO_2 reduction. <i>Chemical Communications</i> , 2016, 52, 5864-5867.	2.2	48
76	Development of a Palladium-Catalyzed Carbonylative Coupling Strategy to 1,4-Diketones. <i>ACS Catalysis</i> , 2016, 6, 2982-2987.	5.5	34
77	How Glycosaminoglycans Promote Fibrillation of Salmon Calcitonin. <i>Journal of Biological Chemistry</i> , 2016, 291, 16849-16862.	1.6	15
78	Direct Access to I^{\pm} -difluoroacylated Arenes by Palladium-Catalyzed Carbonylation of (Hetero)Aryl Boronic Acid Derivatives. <i>Angewandte Chemie</i> , 2016, 128, 10552-10556.	1.6	16
79	Chemo- and Regioselective Ethynylation of Tryptophan-Containing Peptides and Proteins. <i>Chemistry - A European Journal</i> , 2016, 22, 1572-1576.	1.7	85
80	Palladium-Catalyzed Carbonylative Synthesis of 2,3-Disubstituted Chromones. <i>Advanced Synthesis and Catalysis</i> , 2016, 358, 466-479.	2.1	25
81	Direct <i>trans</i> -Selective Ruthenium-Catalyzed Reduction of Alkynes in Two-Chamber Reactors and Continuous Flow. <i>ACS Catalysis</i> , 2016, 6, 4710-4714.	5.5	67
82	Direct Access to I^{\pm} -difluoroacylated Arenes by Palladium-Catalyzed Carbonylation of (Hetero)Aryl Boronic Acid Derivatives. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 10396-10400.	7.2	70
83	The Development and Application of Two-Chamber Reactors and Carbon Monoxide Precursors for Safe Carbonylation Reactions. <i>Accounts of Chemical Research</i> , 2016, 49, 594-605.	7.6	404
84	Palladium-Catalyzed Carbonylative I^{\pm} -Arylation of <i>tert</i> -Butyl Cyanoacetate with (Hetero)aryl Bromides. <i>Journal of Organic Chemistry</i> , 2016, 81, 1358-1366.	1.7	25
85	Tin-containing silicates: identification of a glycolytic pathway via 3-deoxyglucosone. <i>Green Chemistry</i> , 2016, 18, 3360-3369.	4.6	56
86	Rapid and Efficient Conversion of $^{11}\text{CO}_2$ to ^{11}CO through Silacarboxylic Acids: Applications in Pd-Mediated Carbonylations. <i>Chemistry - A European Journal</i> , 2015, 21, 17601-17604.	1.7	31
87	Synthesis of Acyl Carbamates via Four Component Pd-Catalyzed Carbonylative Coupling of Aryl Halides, Potassium Cyanate, and Alcohols. <i>Organic Letters</i> , 2015, 17, 1248-1251.	2.4	23
88	Palladium-catalysed carbonylative I^{\pm} -arylation of nitromethane. <i>Chemical Communications</i> , 2015, 51, 3600-3603.	2.2	31
89	General Method for the Preparation of Active Esters by Palladium-Catalyzed Alkoxy-carbonylation of Aryl Bromides. <i>Journal of Organic Chemistry</i> , 2015, 80, 1920-1928.	1.7	29
90	Efficient ^{11}C -Carbonylation of Isolated Aryl Palladium Complexes for PET: Application to Challenging Radiopharmaceutical Synthesis. <i>Journal of the American Chemical Society</i> , 2015, 137, 1548-1555.	6.6	85

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91	The natural, peptaibolic peptide SPF-5506-A 4 adopts a β^2 -bend spiral structure, shows low hemolytic activity and targets membranes through formation of large pores. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 882-889.	1.1	10
92	Access to 2-(Het)aryl and 2-Styryl Benzoxazoles via Palladium-Catalyzed Aminocarbonylation of Aryl and Vinyl Bromides. <i>Organic Letters</i> , 2015, 17, 2094-2097.	2.4	34
93	Organocatalyzed CO ₂ Trapping Using Alkynyl Indoles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6862-6866.	7.2	84
94	Pd-catalyzed carbonylative access to aroyl phosphonates from (hetero)aryl bromides. <i>Chemical Communications</i> , 2015, 51, 7831-7834.	2.2	8
95	Patterned Carboxylation of Graphene Using Scanning Electrochemical Microscopy. <i>Langmuir</i> , 2015, 31, 4443-4452.	1.6	9
96	Palladium-Catalyzed Carbonylative Couplings of Vinylogous Enolates: Application to Statin Structures. <i>Journal of the American Chemical Society</i> , 2015, 137, 14043-14046.	6.6	30
97	Pd-Catalyzed Carbonylative Synthesis of Other-Membered Heterocycles from Aryl Halides. <i>Topics in Heterocyclic Chemistry</i> , 2015, , 89-99.	0.2	0
98	Scaffolded multimers of hAPP20 α peptide fragments fibrillate faster and lead to different fibrils compared to the free hAPP20 α peptide fragment. <i>Biochimica Et Biophysica Acta - Proteins and Proteomics</i> , 2015, 1854, 1890-1897.	1.1	11
99	C-H activation dependent Pd-catalyzed carbonylative coupling of (hetero)aryl bromides and polyfluoroarenes. <i>Chemical Communications</i> , 2015, 51, 1870-1873.	2.2	40
100	Palladium-Catalyzed Carbonylation of Aryl Bromides with N-Substituted Cyanamides. <i>Synlett</i> , 2014, 25, 1241-1245.	1.0	14
101	Transition of chemically modified diphenylalanine peptide assemblies revealed by atomic force microscopy. <i>RSC Advances</i> , 2014, 4, 7516.	1.7	13
102	Controlled Electrochemical Carboxylation of Graphene To Create a Versatile Chemical Platform for Further Functionalization. <i>Langmuir</i> , 2014, 30, 6622-6628.	1.6	21
103	Efficient Fluoride-Catalyzed Conversion of CO ₂ to CO at Room Temperature. <i>Journal of the American Chemical Society</i> , 2014, 136, 6142-6147.	6.6	130
104	A Palladium-Catalyzed Carbonylative Deacetylation Sequence to 1,3-Keto Amides. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 3519-3524.	2.1	21
105	Palladium-Catalyzed Carbonylative Coupling of (2-azaryl)methyl Anion Equivalents with (Hetero)Aryl Bromides. <i>Chemistry - A European Journal</i> , 2014, 20, 15785-15789.	1.7	18
106	The Importance of Being Capped: Terminal Capping of an Amyloidogenic Peptide Affects Fibrillation Propensity and Fibril Morphology. <i>Biochemistry</i> , 2014, 53, 6968-6980.	1.2	33
107	Mild Pd-Catalyzed Aminocarbonylation of (Hetero)Aryl Bromides with a Palladacycle Precatalyst. <i>Organic Letters</i> , 2014, 16, 4296-4299.	2.4	130
108	1,2,4- and 1,3,4-Oxadiazole Synthesis by Palladium-Catalyzed Carbonylative Assembly of Aryl Bromides with Amidoximes or Hydrazides. <i>Advanced Synthesis and Catalysis</i> , 2014, 356, 3074-3082.	2.1	39

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109	Palladium-Catalyzed Carbonylative I^{\pm} -Arylation of 2-Oxindoles with (Hetero)aryl Bromides: Efficient and Complementary Approach to 3-Acyl-2-Oxindoles. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9582-9586.	7.2	32
110	Palladium-Catalyzed Carbonylative I^{\pm} -Arylation to I^2 -Ketonitriles. <i>Chemistry - A European Journal</i> , 2014, 20, 9534-9538.	1.7	41
111	Palladium-Catalyzed Carbonylative Sonogashira Coupling of Aryl Bromides Using Near Stoichiometric Carbon Monoxide. <i>Organic Letters</i> , 2014, 16, 2216-2219.	2.4	65
112	Palladium-Catalyzed Thiocarbonylation of Aryl, Vinyl, and Benzyl Bromides. <i>Journal of Organic Chemistry</i> , 2014, 79, 11830-11840.	1.7	64
113	Carbonylative Suzuki Couplings of Aryl Bromides with Boronic Acid Derivatives under Base-Free Conditions. <i>Organic Letters</i> , 2014, 16, 1888-1891.	2.4	65
114	Two-Chamber Hydrogen Generation and Application: Access to Pressurized Deuterium Gas. <i>Journal of Organic Chemistry</i> , 2014, 79, 5861-5868.	1.7	47
115	Access to 1,2-Dihydroisoquinolines through Gold-Catalyzed Formal [4+2] Cycloaddition. <i>Chemistry - A European Journal</i> , 2014, 20, 7926-7930.	1.7	42
116	Targeting of peptide conjugated magnetic nanoparticles to urokinase plasminogen activator receptor (uPAR) expressing cells. <i>Nanoscale</i> , 2013, 5, 8192.	2.8	28
117	Pd-Catalyzed Carbonylative I^{\pm} -Arylation of Aryl Bromides: Scope and Mechanistic Studies. <i>Chemistry - A European Journal</i> , 2013, 19, 17926-17938.	1.7	50
118	Direct Route to 1,3-Diketones by Palladium-Catalyzed Carbonylative Coupling of Aryl Halides with Acetylacetone. <i>Chemistry - A European Journal</i> , 2013, 19, 17687-17691.	1.7	32
119	Access to I^2 -Keto Esters by Palladium-Catalyzed Carbonylative Coupling of Aryl Halides with Monoester Potassium Malonates. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9763-9766.	7.2	52
120	An Air-Tolerant Approach to the Carbonylative Suzuki-Miyaura Coupling: Applications in Isotope Labeling. <i>Journal of Organic Chemistry</i> , 2013, 78, 10310-10318.	1.7	57
121	Efficient Routes to Carbon-Silicon Bond Formation for the Synthesis of Silicon-Containing Peptides and Azasilaheterocycles. <i>Accounts of Chemical Research</i> , 2013, 46, 457-470.	7.6	184
122	Pd-Catalyzed Thiocarbonylation with Stoichiometric Carbon Monoxide: Scope and Applications. <i>Organic Letters</i> , 2013, 15, 948-951.	2.4	106
123	Palladium-Catalyzed Synthesis of Aromatic Carboxylic Acids with Silacarboxylic Acids. <i>Organic Letters</i> , 2013, 15, 1378-1381.	2.4	57
124	Coexistence of ribbon and helical fibrils originating from hIAPP $^{20-29}$ revealed by quantitative nanomechanical atomic force microscopy. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2013, 110, 2798-2803.	3.3	104
125	Modernized Low Pressure Carbonylation Methods in Batch and Flow Employing Common Acids as a CO Source. <i>Organic Letters</i> , 2013, 15, 2794-2797.	2.4	152
126	Effective Palladium-Catalyzed Hydroxycarbonylation of Aryl Halides with Substoichiometric Carbon Monoxide. <i>Journal of the American Chemical Society</i> , 2013, 135, 2891-2894.	6.6	113

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127	Reductive Carbonylation of Aryl Halides Employing a Two-Chamber Reactor: A Protocol for the Synthesis of Aryl Aldehydes Including ¹³ C- and D-Isotope Labeling. <i>Journal of Organic Chemistry</i> , 2013, 78, 6112-6120.	1.7	70
128	Generation of Stoichiometric Ethylene and Isotopic Derivatives and Application in Transition-Metal-Catalyzed Vinylation and Enyne Metathesis. <i>Chemistry - A European Journal</i> , 2013, 19, 17603-17607.	1.7	24
129	Identifying ligand-binding hot spots in proteins using brominated fragments. <i>Acta Crystallographica Section F: Structural Biology Communications</i> , 2013, 69, 1060-1065.	0.7	10
130	Control and femtosecond time-resolved imaging of torsion in a chiral molecule. <i>Journal of Chemical Physics</i> , 2012, 136, 204310.	1.2	83
131	Palladium-Catalyzed <i>N</i> -Acylation of Monosubstituted Ureas Using Near-Stoichiometric Carbon Monoxide. <i>Journal of Organic Chemistry</i> , 2012, 77, 3793-3799.	1.7	52
132	Isotope-Labeling of the Fibril Binding Compound FSB via a Pd-Catalyzed Double Alkoxycarbonylation. <i>Journal of Organic Chemistry</i> , 2012, 77, 5357-5363.	1.7	28
133	Synthesis and Evaluation of Silanediols as Highly Selective Uncompetitive Inhibitors of Human Neutrophil Elastase. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 7900-7908.	2.9	29
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