Troels Skrydstrup

List of Publications by Year
in descending order

297 papers	15,302 citations	15504 65 h-index	31849 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 Endâ€ofâ€Life Polyurethane Samples. ChemSusChem, 2022, 15, .	6.8	16
2	Selective N-Terminal Acylation of Peptides and Proteins with Tunable Phenol Esters. Bioconjugate Chemistry, 2022, 33, 625-633.	3.6	4
3	Pdâ€Catalyzed Difluoromethylations of Aryl Boronic Acids, Halides, and Pseudohalides with ICF₂H Generated ex Situ. Chemistry - A European Journal, 2022, 28, .	3.3	6
4	New Phenol Esters for Efficient pH-Controlled Amine Acylation of Peptides, Proteins, and Sepharose Beads in Aqueous Media. Bioconjugate Chemistry, 2022, 33, 172-179.	3.6	7
5	Synthetic developments on the preparation of sulfides from thiol-free reagents. Organic Chemistry Frontiers, 2021, 8, 326-368.	4.5	24
6	Incorporation of nickel single atoms into carbon paper as self-standing electrocatalyst for CO₂reduction. Journal of Materials Chemistry A, 2021, 9, 1583-1592.	10.3	35
7	Hydrophobic Copper Interfaces Boost Electroreduction of Carbon Dioxide to Ethylene in Water. ACS Catalysis, 2021, 11, 958-966.	11.2	120
8	A Nickel(II)â€Mediated Thiocarbonylation Strategy for Carbon Isotope Labeling of Aliphatic Carboxamides. Chemistry - A European Journal, 2021, 27, 7114-7123.	3.3	10
9	Design and Applications of a SO₂ Surrogate in Palladiumâ€Catalyzed Direct Aminosulfonylation between Aryl Iodides and Amines. Angewandte Chemie - International Edition, 2021, 60, 7353-7359.	13.8	40
10	Design and Applications of a SO 2 Surrogate in Palladiumâ€Catalyzed Direct Aminosulfonylation between Aryl Iodides and Amines. Angewandte Chemie, 2021, 133, 7429-7435.	2.0	0
11	Are Amines the Holy Grail for Facilitating CO 2 Reduction?. Angewandte Chemie, 2021, 133, 9258-9263.	2.0	3
12	Are Amines the Holy Grail for Facilitating CO₂ Reduction?. Angewandte Chemie - International Edition, 2021, 60, 9174-9179.	13.8	48
13	Catalytic Hydrogenation of Polyurethanes to Base Chemicals: From Model Systems to Commercial and End-of-Life Polyurethane Materials. Jacs Au, 2021, 1, 517-524.	7.9	45
14	On-demand synthesis of phosphoramidites. Nature Communications, 2021, 12, 2760.	12.8	16
15	Highly Scalable Conversion of Blood Protoporphyrin to Efficient Electrocatalyst for CO 2 â€toâ€CO Conversion. Advanced Materials Interfaces, 2021, 8, 2100067.	3.7	4
16	Mechanistic Elucidation of Dimer Formation and Strategies for Its Suppression in Electrochemical Reduction of <i>Fac</i>â€Mn(bpy)(CO)₃Br. ChemElectroChem, 2021, 8, 2108-2114.	3.4	17
17	Lowâ€Valence Zn^{Î´+} (0<Î´<2) Singleâ€Atom Material as Highly Efficient Electrocatalyst for CO₂ Reduction. Angewandte Chemie - International Edition, 2021, 60, 22826-22832.	13.8	115
18	Lowâ€Valence Zn^{Î´+} (0<Î´<2) Singleâ€Atom Material as Highly Efficient Electrocatalyst for CO₂ Reduction. Angewandte Chemie, 2021, 133, 23008-23014.	2.0	12

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19	Nickel-Mediated Alkoxycarbonylation for Complete Carbon Isotope Replacement. Journal of the American Chemical Society, 2021, 143, 17816-17824.	13.7	22
20	Regioselective Hydroalkylation of Vinylarenes via Cooperative Cu and Ni Catalysis. Angewandte Chemie - International Edition, 2021, , .	13.8	5
21	Promoting Selective Generation of Formic Acid from CO₂ Using Mn(bpy)(CO)₃Br as Electrocatalyst and Triethylamine/Isopropanol as Additives. Journal of the American Chemical Society, 2021, 143, 20491-20500.	13.7	24
22	Ligand-Controlled Product Selectivity in Electrochemical Carbon Dioxide Reduction Using Manganese Bipyridine Catalysts. Journal of the American Chemical Society, 2020, 142, 4265-4275.	13.7	114
23	Achieving Nearâ€Unity CO Selectivity for CO₂ Electroreduction on an Ironâ€Decorated Carbon Material. ChemSusChem, 2020, 13, 6360-6369.	6.8	8
24	Renewable Solvents for Palladium-Catalyzed Carbonylation Reactions. Organic Process Research and Development, 2020, 24, 2665-2675.	2.7	32
25	Main element chemistry enables gas-cylinder-free hydroformylations. Nature Catalysis, 2020, 3, 843-850.	34.4	34
26	Access to Aryl and Heteroaryl Trifluoromethyl Ketones from Aryl Bromides and Fluorosulfates with Stoichiometric CO. Organic Letters, 2020, 22, 4068-4072.	4.6	17
27	Controlled Release of Reactive Gases: A Tale of Taming Carbon Monoxide. ChemPlusChem, 2020, 85, 1529-1533.	2.8	14
28	Evaluation of the Electrocatalytic Reduction of Carbon Dioxide using Rhenium and Ruthenium Bipyridine Catalysts Bearing Pendant Amines in the Secondary Coordination Sphere. Organometallics, 2020, 39, 1480-1490.	2.3	30
29	Direct Access to Isotopically Labeled Aliphatic Ketones Mediated by Nickel(I) Activation. Angewandte Chemie, 2020, 132, 8176-8180.	2.0	8
30	Silylcarboxylic Acids as Bifunctional Reagents: Application in Palladiumâ€Catalyzed Externalâ€COâ€Free Carbonylative Crossâ€Coupling Reactions. Advanced Synthesis and Catalysis, 2020, 362, 4078-4083.	4.3	9
31	Robust tuning metal/carbon heterointerfaces via ketonic oxygen enables hydrogen evolution reaction outperforming Pt/C. Applied Surface Science, 2020, 529, 147080.	6.1	3
32	Stoichiometric Studies on the Carbonylative Trifluoromethylation of Aryl Pd(II) Complexes using TMSCF₃ as the Trifluoromethyl Source. Organometallics, 2020, 39, 688-697.	2.3	12
33	Restructuring Metalâ€“Organic Frameworks to Nanoscale Bismuth Electrocatalysts for Highly Active and Selective CO₂ Reduction to Formate. Advanced Functional Materials, 2020, 30, 1910408.	14.9	110
34	Carbonylative Suzukiâ€“Miyaura couplings of sterically hindered aryl halides: synthesis of 2-aroylbenzoate derivatives. Organic and Biomolecular Chemistry, 2020, 18, 1754-1759.	2.8	9
35	Direct Access to Isotopically Labeled Aliphatic Ketones Mediated by Nickel(I) Activation. Angewandte Chemie - International Edition, 2020, 59, 8099-8103.	13.8	32
36	Carbon Isotope Labeling Strategy for Î²-Amino Acid Derivatives via Carbonylation of Azanickellacycles. Journal of the American Chemical Society, 2019, 141, 11821-11826.	13.7	29

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37	Liquid Marbles: A Promising and Versatile Platform for Miniaturized Chemical Reactions. Angewandte Chemie - International Edition, 2019, 58, 11952-11954.	13.8	22
38	FlÃ¼ssigmurmeln: Eine vielversprechende und vielseitige Plattform fÃ¼r Miniaturisierte Chemische Reaktionen. Angewandte Chemie, 2019, 131, 12078-12080.	2.0	1
39	Access to Î²â€Ketonitriles through Nickelâ€Catalyzed Carbonylative Coupling of Î±â€Bromonitriles with Alkylzinc Reagents. Chemistry - A European Journal, 2019, 25, 9856-9860.	3.3	42
40	COtab: Expedient and Safe Setup for Pd-Catalyzed Carbonylation Chemistry. Organic Letters, 2019, 21, 5775-5778.	4.6	15
41	Direct Access to Aryl Bis(trifluoromethyl)carbinols from Aryl Bromides or Fluorosulfates: Palladiumâ€Catalyzed Carbonylation. Angewandte Chemie, 2018, 130, 6974-6978.	2.0	9
42	Chemically and electrochemically catalysed conversion of CO2 to CO with follow-up utilization to value-added chemicals. Nature Catalysis, 2018, 1, 244-254.	34.4	373
43	Direct Access to Aryl Bis(trifluoromethyl)carbinols from Aryl Bromides or Fluorosulfates: Palladiumâ€Catalyzed Carbonylation. Angewandte Chemie - International Edition, 2018, 57, 6858-6862.	13.8	38
44	Palladium Catalyzed Carbonylative Coupling of Alkyl Boron Reagents with Bromodifluoroacetamides. ACS Catalysis, 2018, 8, 3853-3858.	11.2	29
45	Carbonylative Coupling of Alkyl Zinc Reagents with Benzyl Bromides Catalyzed by a Nickel/NN₂â€‰Pincer Ligand Complex. Angewandte Chemie - International Edition, 2018, 57, 800-804.	13.8	85
46	Carbonylative Coupling of Alkyl Zinc Reagents with Benzyl Bromides Catalyzed by a Nickel/NN₂â€‰Pincer Ligand Complex. Angewandte Chemie, 2018, 130, 808-812.	2.0	21
47	Ligand-free gold nanoparticles supported on mesoporous carbon as electrocatalysts for CO2 reduction. Journal of CO2 Utilization, 2018, 28, 50-58.	6.8	16
48	New Directions in Transition Metal Catalyzed Carbonylation Chemistry. Chimia, 2018, 72, 606.	0.6	13
49	Exâ€…Situ Formation of Methanethiol: Application in the Gold(I)â€Promoted Antiâ€Markovnikov Hydrothiolation of Olefins. Angewandte Chemie, 2018, 130, 14083-14087.	2.0	3
50	Exâ€…Situ Formation of Methanethiol: Application in the Gold(I)â€Promoted Antiâ€Markovnikov Hydrothiolation of Olefins. Angewandte Chemie - International Edition, 2018, 57, 13887-13891.	13.8	38
51	Facile Synthesis of Iron- and Nitrogen-Doped Porous Carbon for Selective CO₂ Electroreduction. ACS Applied Nano Materials, 2018, 1, 3608-3615.	5.0	21
52	Synthesis of Aliphatic Carboxamides Mediated by Nickel NN₂â€Pincer Complexes and Adaptation to Carbonâ€Isotope Labeling. Chemistry - A European Journal, 2018, 24, 14946-14949.	3.3	16
53	Recent developments in carbonylation chemistry using [¹³C]CO, [¹¹C]CO, and [¹⁴C]CO. Journal of Labelled Compounds and Radiopharmaceuticals, 2018, 61, 949-987.	1.0	47
54	Intermittent, low dose carbon monoxide exposure enhances survival and dopaminergic differentiation of human neural stem cells. PLoS ONE, 2018, 13, e0191207.	2.5	20

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55	Selective CO₂ Reduction to CO in Water using Earth-Abundant Metal and Nitrogen-Doped Carbon Electrocatalysts. ACS Catalysis, 2018, 8, 6255-6264.	11.2	267
56	Pd-catalyzed carbonylative Î±-arylation of azlactones: A formal four-component coupling route to Î±,Î±-disubstituted amino acids. Journal of Catalysis, 2018, 364, 366-370.	6.2	8
57	Copper-Catalyzed Carboxylation of Hydroborated Disubstituted Alkenes and Terminal Alkynes with Cesium Fluoride. ACS Catalysis, 2017, 7, 1392-1396.	11.2	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.	2.3	17
59	Palladium-Catalyzed Aminocarbonylation in Solid-Phase Peptide Synthesis: A Method for Capping, Cyclization, and Isotope Labeling. Organic Letters, 2017, 19, 2873-2876.	4.6	32
60	Enhanced Catalytic Activity of Cobalt Porphyrin in CO₂ Electroreduction upon Immobilization on Carbon Materials. Angewandte Chemie, 2017, 129, 6568-6572.	2.0	62
61	Enhanced Catalytic Activity of Cobalt Porphyrin in CO₂ Electroreduction upon Immobilization on Carbon Materials. Angewandte Chemie - International Edition, 2017, 56, 6468-6472.	13.8	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.	3.2	33
63	Application of Methyl Bisphosphineâ€Ligated Palladium Complexes for Low Pressure <i>N</i>â€¹¹Câ€Acetylation of Peptides. Angewandte Chemie - International Edition, 2017, 56, 4549-4553.	13.8	34
64	Efficient Water Reduction with sp³â€sp³ Diboron(4) Compounds: Application to Hydrogenations, Hâ€“D Exchange Reactions, and Carbonyl Reductions. Angewandte Chemie - International Edition, 2017, 56, 15910-15915.	13.8	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.	7.4	35
66	Scalable carbon dioxide electroreduction coupled to carbonylation chemistry. Nature Communications, 2017, 8, 489.	12.8	54
67	Experimental and Theoretical Studies on the Reduction of CO2 to CO with Chloro(methyl)disilane Components from the Direct Process. Synlett, 2017, 28, 2439-2444.	1.8	6
68	Application of Methyl Bisphosphineâ€Ligated Palladium Complexes for Low Pressure <i>N</i>â€¹¹Câ€Acetylation of Peptides. Angewandte Chemie, 2017, 129, 4620-4624.	2.0	11
69	Utilizing Glycerol as an Ex Situ CO-Source in Pd-Catalyzed Alkoxycarbonylation of Styrenes. ACS Catalysis, 2017, 7, 6089-6093.	11.2	30
70	Synthesis and selective ²Hâ€, ¹³Câ€, and ¹⁵Nâ€labeling of the Tau protein binder THKâ€523. Journal of Labelled Compounds and Radiopharmaceuticals, 2017, 60, 30-35.	1.0	16
71	Efficient Water Reduction with sp³â€sp³ Diboron(4) Compounds: Application to Hydrogenations, Hâ€“D Exchange Reactions, and Carbonyl Reductions. Angewandte Chemie, 2017, 129, 16126-16131.	2.0	15
72	A Palladiumâ€Catalyzed Double Carbonylation Approach to Isatins from 2â€Iodoanilines. European Journal of Organic Chemistry, 2016, 2016, 1881-1885.	2.4	22

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73	Incorporation of Î²â€Siliconâ€Î²3â€Amino Acids in the Antimicrobial Peptide Alamethicin Provides a 20â€Fold Increase in Membrane Permeabilization. Chemistry - A European Journal, 2016, 22, 8358-8367.	3.3	21
74	Cooperative redox activation for carbon dioxide conversion. Nature Communications, 2016, 7, 13782.	12.8	49
75	Controlled electropolymerisation of a carbazole-functionalised iron porphyrin electrocatalyst for CO₂ reduction. Chemical Communications, 2016, 52, 5864-5867.	4.1	48
76	Development of a Palladium-Catalyzed Carbonylative Coupling Strategy to 1,4-Diketones. ACS Catalysis, 2016, 6, 2982-2987.	11.2	34
77	How Glycosaminoglycans Promote Fibrillation of Salmon Calcitonin. Journal of Biological Chemistry, 2016, 291, 16849-16862.	3.4	15
78	Direct Access to Î±,Î±â€Difluoroacylated Arenes by Palladiumâ€Catalyzed Carbonylation of (Hetero)Aryl Boronic Acid Derivatives. Angewandte Chemie, 2016, 128, 10552-10556.	2.0	16
79	Chemoâ€•and Regioselective Ethynylation of Tryptophanâ€Containing Peptides and Proteins. Chemistry - A European Journal, 2016, 22, 1572-1576.	3.3	85
80	Palladiumâ€Catalyzed Carbonylative Synthesis of 2,3â€Disubstituted Chromones. Advanced Synthesis and Catalysis, 2016, 358, 466-479.	4.3	25
81	Direct <i>trans</i>-Selective Ruthenium-Catalyzed Reduction of Alkynes in Two-Chamber Reactors and Continuous Flow. ACS Catalysis, 2016, 6, 4710-4714.	11.2	67
82	Direct Access to Î±,Î±â€Difluoroacylated Arenes by Palladiumâ€Catalyzed Carbonylation of (Hetero)Aryl Boronic Acid Derivatives. Angewandte Chemie - International Edition, 2016, 55, 10396-10400.	13.8	70
83	The Development and Application of Two-Chamber Reactors and Carbon Monoxide Precursors for Safe Carbonylation Reactions. Accounts of Chemical Research, 2016, 49, 594-605.	15.6	404
84	Palladium-Catalyzed Carbonylative Î±-Arylation of <i>tert</i>-Butyl Cyanoacetate with (Hetero)aryl Bromides. Journal of Organic Chemistry, 2016, 81, 1358-1366.	3.2	25
85	Tin-containing silicates: identification of a glycolytic pathway via 3-deoxyglucosone. Green Chemistry, 2016, 18, 3360-3369.	9.0	56
86	Rapid and Efficient Conversion of ¹¹CO₂ to ¹¹CO through Silacarboxylic Acids: Applications in Pdâ€Mediated Carbonylations. Chemistry - A European Journal, 2015, 21, 17601-17604.	3.3	31
87	Synthesis of Acyl Carbamates via Four Component Pd-Catalyzed Carbonylative Coupling of Aryl Halides, Potassium Cyanate, and Alcohols. Organic Letters, 2015, 17, 1248-1251.	4.6	23
88	Palladium-catalysed carbonylative Î±-arylation of nitromethane. Chemical Communications, 2015, 51, 3600-3603.	4.1	31
89	General Method for the Preparation of Active Esters by Palladium-Catalyzed Alkoxycarbonylation of Aryl Bromides. Journal of Organic Chemistry, 2015, 80, 1920-1928.	3.2	29
90	Efficient ¹¹C-Carbonylation of Isolated Aryl Palladium Complexes for PET: Application to Challenging Radiopharmaceutical Synthesis. Journal of the American Chemical Society, 2015, 137, 1548-1555.	13.7	85

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91	The natural, peptaibolic peptide SPF-5506-A 4 adopts a Î²-bend spiral structure, shows low hemolytic activity and targets membranes through formation of large pores. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 882-889.	2.3	10
92	Access to 2-(Het)aryl and 2-Styryl Benzoxazoles via Palladium-Catalyzed Aminocarbonylation of Aryl and Vinyl Bromides. Organic Letters, 2015, 17, 2094-2097.	4.6	34
93	Organocatalyzed CO₂ Trapping Using Alkynyl Indoles. Angewandte Chemie - International Edition, 2015, 54, 6862-6866.	13.8	84
94	Pd-catalyzed carbonylative access to aroyl phosphonates from (hetero)aryl bromides. Chemical Communications, 2015, 51, 7831-7834.	4.1	8
95	Patterned Carboxylation of Graphene Using Scanning Electrochemical Microscopy. Langmuir, 2015, 31, 4443-4452.	3.5	9
96	Palladium-Catalyzed Carbonylative Couplings of Vinylogous Enolates: Application to Statin Structures. Journal of the American Chemical Society, 2015, 137, 14043-14046.	13.7	30
97	Pd-Catalyzed Carbonylative Synthesis of Other-Membered Heterocycles from Aryl Halides. Topics in Heterocyclic Chemistry, 2015, , 89-99.	0.2	0
98	Scaffolded multimers of hIAPP20â€“29 peptide fragments fibrillate faster and lead to different fibrils compared to the free hIAPP20â€“29 peptide fragment. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2015, 1854, 1890-1897.	2.3	11
99	Câ€“H activation dependent Pd-catalyzed carbonylative coupling of (hetero)aryl bromides and polyfluoroarenes. Chemical Communications, 2015, 51, 1870-1873.	4.1	40
100	Palladium-Catalyzed Carbonylation of Aryl Bromides with N-Substituted Cyanamides. Synlett, 2014, 25, 1241-1245.	1.8	14
101	Transition of chemically modified diphenylalanine peptide assemblies revealed by atomic force microscopy. RSC Advances, 2014, 4, 7516.	3.6	13
102	Controlled Electrochemical Carboxylation of Graphene To Create a Versatile Chemical Platform for Further Functionalization. Langmuir, 2014, 30, 6622-6628.	3.5	21
103	Efficient Fluoride-Catalyzed Conversion of CO₂ to CO at Room Temperature. Journal of the American Chemical Society, 2014, 136, 6142-6147.	13.7	130
104	A Palladiumâ€Catalyzed Carbonylativeâ€“Deacetylative Sequence to 1,3â€Keto Amides. Advanced Synthesis and Catalysis, 2014, 356, 3519-3524.	4.3	21
105	Palladiumâ€Catalyzed Carbonylative Coupling of (2â€Azaaryl)methyl Anion Equivalents with (Hetero)Aryl Bromides. Chemistry - A European Journal, 2014, 20, 15785-15789.	3.3	18
106	The Importance of Being Capped: Terminal Capping of an Amyloidogenic Peptide Affects Fibrillation Propensity and Fibril Morphology. Biochemistry, 2014, 53, 6968-6980.	2.5	33
107	Mild Pd-Catalyzed Aminocarbonylation of (Hetero)Aryl Bromides with a Palladacycle Precatalyst. Organic Letters, 2014, 16, 4296-4299.	4.6	130
108	1,2,4â€•and 1,3,4â€Oxadiazole Synthesis by Palladiumâ€Catalyzed Carbonylative Assembly of Aryl Bromides with Amidoximes or Hydrazides. Advanced Synthesis and Catalysis, 2014, 356, 3074-3082.	4.3	39

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109	Palladiumâ€Catalyzed Carbonylative Î±â€Arylation of 2â€Oxindoles with (Hetero)aryl Bromides: Efficient and Complementary Approach to 3â€Acylâ€2â€oxindoles. Angewandte Chemie - International Edition, 2014, 53, 9582-9586.	13.8	32
110	Palladiumâ€Catalyzed Carbonylative Î±â€Arylation to Î²â€Ketonitriles. Chemistry - A European Journal, 2014, 20, 9534-9538.	3.3	41
111	Palladium-Catalyzed Carbonylative Sonogashira Coupling of Aryl Bromides Using Near Stoichiometric Carbon Monoxide. Organic Letters, 2014, 16, 2216-2219.	4.6	65
112	Palladium-Catalyzed Thiocarbonylation of Aryl, Vinyl, and Benzyl Bromides. Journal of Organic Chemistry, 2014, 79, 11830-11840.	3.2	64
113	Carbonylative Suzuki Couplings of Aryl Bromides with Boronic Acid Derivatives under Base-Free Conditions. Organic Letters, 2014, 16, 1888-1891.	4.6	65
114	Two-Chamber Hydrogen Generation and Application: Access to Pressurized Deuterium Gas. Journal of Organic Chemistry, 2014, 79, 5861-5868.	3.2	47
115	Access to 1,2â€Dihydroisoquinolines through Goldâ€Catalyzed Formal [4+2] Cycloaddition. Chemistry - A European Journal, 2014, 20, 7926-7930.	3.3	42
116	Targeting of peptide conjugated magnetic nanoparticles to urokinase plasminogen activator receptor (uPAR) expressing cells. Nanoscale, 2013, 5, 8192.	5.6	28
117	Pdâ€Catalyzed Carbonylative Î±â€Arylation of Aryl Bromides: Scope and Mechanistic Studies. Chemistry - A European Journal, 2013, 19, 17926-17938.	3.3	50
118	Direct Route to 1,3â€Diketones by Palladiumâ€Catalyzed Carbonylative Coupling of Aryl Halides with Acetylacetone. Chemistry - A European Journal, 2013, 19, 17687-17691.	3.3	32
119	Access to Î²â€Keto Esters by Palladiumâ€Catalyzed Carbonylative Coupling of Aryl Halides with Monoester Potassium Malonates. Angewandte Chemie - International Edition, 2013, 52, 9763-9766.	13.8	52
120	An Air-Tolerant Approach to the Carbonylative Suzukiâ€“Miyaura Coupling: Applications in Isotope Labeling. Journal of Organic Chemistry, 2013, 78, 10310-10318.	3.2	57
121	Efficient Routes to Carbonâ€“Silicon Bond Formation for the Synthesis of Silicon-Containing Peptides and Azasilaheterocycles. Accounts of Chemical Research, 2013, 46, 457-470.	15.6	184
122	Pd-Catalyzed Thiocarbonylation with Stoichiometric Carbon Monoxide: Scope and Applications. Organic Letters, 2013, 15, 948-951.	4.6	106
123	Palladium-Catalyzed Synthesis of Aromatic Carboxylic Acids with Silacarboxylic Acids. Organic Letters, 2013, 15, 1378-1381.	4.6	57
124	Coexistence of ribbon and helical fibrils originating from hIAPP _{20â€“29} revealed by quantitative nanomechanical atomic force microscopy. Proceedings of the National Academy of Sciences of the United States of America, 2013, 110, 2798-2803.	7.1	104
125	Modernized Low Pressure Carbonylation Methods in Batch and Flow Employing Common Acids as a CO Source. Organic Letters, 2013, 15, 2794-2797.	4.6	152
126	Effective Palladium-Catalyzed Hydroxycarbonylation of Aryl Halides with Substoichiometric Carbon Monoxide. Journal of the American Chemical Society, 2013, 135, 2891-2894.	13.7	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 ¹³C- and D-Isotope Labeling. Journal of Organic Chemistry, 2013, 78, 6112-6120.	3.2	70
128	Generation of Stoichiometric Ethylene and Isotopic Derivatives and Application in Transitionâ€Metalâ€Catalyzed Vinylation and Enyne Metathesis. Chemistry - A European Journal, 2013, 19, 17603-17607.	3.3	24
129	Identifying ligand-binding hot spots in proteins using brominated fragments. Acta Crystallographica Section F: Structural Biology Communications, 2013, 69, 1060-1065.	0.7	10
130	Control and femtosecond time-resolved imaging of torsion in a chiral molecule. Journal of Chemical Physics, 2012, 136, 204310.	3.0	83
131	Palladium-Catalyzed <i>N</i>-Acylation of Monosubstituted Ureas Using Near-Stoichiometric Carbon Monoxide. Journal of Organic Chemistry, 2012, 77, 3793-3799.	3.2	52
132	Isotope-Labeling of the Fibril Binding Compound FSB via a Pd-Catalyzed Double Alkoxycarbonylation. Journal of Organic Chemistry, 2012, 77, 5357-5363.	3.2	28
133	Synthesis and Evaluation of Silanediols as Highly Selective Uncompetitive Inhibitors of Human Neutrophil Elastase. Journal of Medicinal Chemistry, 2012, 55, 7900-7908.	6.4	29
134	Scanning Tunneling Microscopy Reveals Single-Molecule Insights into the Self-Assembly of Amyloid Fibrils. ACS Nano, 2012, 6, 6882-6889.	14.6	27
135	Regioselective Rh(I)-Catalyzed Sequential Hydrosilylation toward the Assembly of Silicon-Based Peptidomimetic Analogues. Journal of Organic Chemistry, 2012, 77, 5894-5906.	3.2	20
136	Modulation of fibrillation of hIAPP core fragments by chemical modification of the peptide backbone. Biochimica Et Biophysica Acta - Proteins and Proteomics, 2012, 1824, 274-285.	2.3	14
137	¹⁴Carbon monoxide made simple â€“ novel approach to the generation, utilization, and scrubbing of ¹⁴carbon monoxide. Journal of Labelled Compounds and Radiopharmaceuticals, 2012, 55, 411-418.	1.0	64
138	Cyclodextrin-Scaffolded Alamethicin with Remarkably Efficient Membrane Permeabilizing Properties and Membrane Current Conductance. Journal of Physical Chemistry B, 2012, 116, 7652-7659.	2.6	28
139	Mild and Efficient Nickel-Catalyzed Heck Reactions with Electron-Rich Olefins. Journal of the American Chemical Society, 2012, 134, 443-452.	13.7	138
140	Palladium Catalyzed Carbonylative Heck Reaction Affording Monoprotected 1,3-Ketoaldehydes. Organic Letters, 2012, 14, 2536-2539.	4.6	61
141	Palladium-Catalyzed Double Carbonylation Using Near Stoichiometric Carbon Monoxide: Expedient Access to Substituted ¹³C₂-Labeled Phenethylamines. Journal of Organic Chemistry, 2012, 77, 6155-6165.	3.2	74
142	An Efficient Method for the Preparation of Tertiary Esters by Palladium-Catalyzed Alkoxycarbonylation of Aryl Bromides. Organic Letters, 2012, 14, 284-287.	4.6	57
143	Goldâ€Catalyzed Carbene Transfer to Alkynes: Access to 2,4â€Disubstituted Furans. Angewandte Chemie - International Edition, 2012, 51, 4681-4684.	13.8	148
144	Nonâ€enzymatic palladium recovery on microbial and synthetic surfaces. Biotechnology and Bioengineering, 2012, 109, 1889-1897.	3.3	65

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