

# Troels Skrydstrup

## List of Publications by Year in descending order

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297  
papers

15,302  
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15495

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docs citations

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11738  
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#	ARTICLE	IF	CITATIONS
1	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
2	<i>Ex Situ</i> Generation of Stoichiometric and Substoichiometric $^{12}\text{C}$ and $^{13}\text{C}$ CO and Its Efficient Incorporation in Palladium Catalyzed Aminocarbonylations. <i>Journal of the American Chemical Society</i> , 2011, 133, 6061-6071.	6.6	389
3	Chemically and electrochemically catalysed conversion of $\text{CO}_2$ to CO with follow-up utilization to value-added chemicals. <i>Nature Catalysis</i> , 2018, 1, 244-254.	16.1	373
4	Enhanced Catalytic Activity of Cobalt Porphyrin in $\text{CO}_2$ Electroreduction upon Immobilization on Carbon Materials. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6468-6472.	7.2	305
5	Selective $\text{CO}_2$ Reduction to CO in Water using Earth-Abundant Metal and Nitrogen-Doped Carbon Electrocatalysts. <i>ACS Catalysis</i> , 2018, 8, 6255-6264.	5.5	267
6	Silicon-Tethered Reactions. <i>Chemical Reviews</i> , 1995, 95, 1253-1277.	23.0	260
7	Silacarboxylic Acids as Efficient Carbon Monoxide Releasing Molecules: Synthesis and Application in Palladium-Catalyzed Carbonylation Reactions. <i>Journal of the American Chemical Society</i> , 2011, 133, 18114-18117.	6.6	254
8	Heck Coupling with Nonactivated Alkenyl Tosylates and Phosphates: Examples of Effective 1,2-Migrations of the Alkenyl Palladium(II) Intermediates. <i>Angewandte Chemie - International Edition</i> , 2006, 45, 3349-3353.	7.2	196
9	In Situ Generated Bulky Palladium Hydride Complexes as Catalysts for the Efficient Isomerization of Olefins. Selective Transformation of Terminal Alkenes to 2-Alkenes. <i>Journal of the American Chemical Society</i> , 2010, 132, 7998-8009.	6.6	196
10	Unique Identification of Supramolecular Structures in Amyloid Fibrils by Solid-State NMR Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2009, 48, 2118-2121.	7.2	195
11	Access to 2,5-Diamidopyrroles and 2,5-Diamidofurans by Au(I)-Catalyzed Double Hydroamination or Hydration of 1,3-Diynes. <i>Organic Letters</i> , 2010, 12, 2758-2761.	2.4	187
12	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
13	Isofagomine, a Potent, New Glycosidase Inhibitor. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 1778-1779.	4.4	163
14	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
15	Gold-Catalyzed Carbene Transfer to Alkynes: Access to 2,4-Disubstituted Furans. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4681-4684.	7.2	148
16	Highly Regioselective Au(I)-Catalyzed Hydroamination of Ynamides and Propiolic Acid Derivatives with Anilines. <i>Organic Letters</i> , 2009, 11, 4208-4211.	2.4	140
17	Mild and Efficient Nickel-Catalyzed Heck Reactions with Electron-Rich Olefins. <i>Journal of the American Chemical Society</i> , 2012, 134, 443-452.	6.6	138
18	Revelation of the Nature of the Reducing Species in Titanocene Halide-Promoted Reductions. <i>Journal of the American Chemical Society</i> , 2004, 126, 7853-7864.	6.6	134

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19	Efficient Fluoride-Catalyzed Conversion of CO <sub>2</sub> to CO at Room Temperature. <i>Journal of the American Chemical Society</i> , 2014, 136, 6142-6147.	6.6	130
20	Mild Pd-Catalyzed Aminocarbonylation of (Hetero)Aryl Bromides with a Palladacycle Precatalyst. <i>Organic Letters</i> , 2014, 16, 4296-4299.	2.4	130
21	Studies on the Heck Reaction with Alkenyl Phosphates: Can the 1,2-Migration Be Controlled? Scope and Limitations. <i>Journal of the American Chemical Society</i> , 2007, 129, 6931-6942.	6.6	122
22	Direct Vinylation and Difluorovinylation of Arylboronic Acids Using Vinyl- and 2,2-Difluorovinyl Tosylates via the Suzuki-Miyaura Cross Coupling. <i>Journal of Organic Chemistry</i> , 2008, 73, 3404-3410.	1.7	120
23	Hydrophobic Copper Interfaces Boost Electroreduction of Carbon Dioxide to Ethylene in Water. <i>ACS Catalysis</i> , 2021, 11, 958-966.	5.5	120
24	A Highly Stereoselective Synthesis of 1,2-trans-C-Glycosides via Glycosyl Samarium(III) Compounds. <i>Angewandte Chemie International Edition in English</i> , 1995, 34, 909-912.	4.4	115
25	Low-Valence Zn <sup>0</sup> Single-Atom Material as Highly Efficient Electrocatalyst for CO <sub>2</sub> Reduction. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 22826-22832.	7.2	115
26	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
27	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
28	Evidence for Ionic Samarium(II) Species in THF/HMPA Solution and Investigation of Their Electron-Donating Properties. <i>Chemistry - A European Journal</i> , 2000, 6, 3747-3754.	1.7	110
29	Restructuring Metal-Organic Frameworks to Nanoscale Bismuth Electrocatalysts for Highly Active and Selective CO <sub>2</sub> Reduction to Formate. <i>Advanced Functional Materials</i> , 2020, 30, 1910408.	7.8	110
30	Pd-Catalyzed Thiocarbonylation with Stoichiometric Carbon Monoxide: Scope and Applications. <i>Organic Letters</i> , 2013, 15, 948-951.	2.4	106
31	Taking Advantage of the Ambivalent Reactivity of Ynamides in Gold Catalysis: A Rare Case of Alkyne Dimerization. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 5090-5094.	7.2	105
32	Coexistence of ribbon and helical fibrils originating from hIAPP <sub>20-29</sub> 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
33	Evaluation of Isofagomine and Its Derivatives As Potent Glycosidase Inhibitors. <i>Biochemistry</i> , 1996, 35, 2788-2795.	1.2	103
34	Samarium Iodide Induced Intramolecular C-Glycoside Formation: Efficient Radical Formation in the Absence of an Additive. <i>Angewandte Chemie International Edition in English</i> , 1994, 33, 1383-1386.	4.4	101
35	Carbonylative Heck Reactions Using CO Generated <i>ex Situ</i> in a Two-Chamber System. <i>Organic Letters</i> , 2011, 13, 2444-2447.	2.4	98
36	Regioselective Heck Couplings of $\alpha,\beta$ -Unsaturated Tosylates and Mesylates with Electron-Rich Olefins. <i>Organic Letters</i> , 2005, 7, 5585-5587.	2.4	96

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37	Heteroaromatic Sulfonates and Phosphates as Electrophiles in Iron-Catalyzed Cross-Couplings. <i>Organic Letters</i> , 2009, 11, 4886-4888.	2.4	96
38	Sml <sub>2</sub> -Promoted Radical Addition of Nitrones to $\hat{1},\hat{2}$ -Unsaturated Amides and Esters: Synthesis of $\hat{1}^3$ -Amino Acids via a Nitrogen Equivalent to the Ketyl Radical. <i>Organic Letters</i> , 2003, 5, 229-231.	2.4	95
39	New Sequential Reactions with Single-Electron-Donating Agents. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 345-347.	4.4	94
40	Palladium-Catalyzed Carbonylative $\hat{1}$ -Arylation for Accessing 1,3-Diketones. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 798-801.	7.2	92
41	Investigations on the Suzuki-Miyaura and Negishi Couplings with Alkenyl Phosphates: Application to the Synthesis of 1,1-Disubstituted Alkenes. <i>Journal of Organic Chemistry</i> , 2007, 72, 6464-6472.	1.7	90
42	Palladium-Catalyzed Intermolecular Ene-Yne Coupling: Development of an Atom-Efficient Mizoroki-Heck Type Reaction. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2668-2672.	7.2	89
43	Sequential C-Si Bond Formations from Diphenylsilane: Application to Silanediol Peptide Isostere Precursors. <i>Journal of the American Chemical Society</i> , 2008, 130, 13145-13151.	6.6	87
44	Fast and Regioselective Heck Couplings with N-Acyl-N-vinylamine Derivatives. <i>Journal of Organic Chemistry</i> , 2005, 70, 5997-6003.	1.7	85
45	Application of Ynamides in the Synthesis of 2-Amidoindoles. <i>Organic Letters</i> , 2009, 11, 221-224.	2.4	85
46	Efficient <sup>11</sup> 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
47	Chemo- and Regioselective Ethynylation of Tryptophan-Containing Peptides and Proteins. <i>Chemistry - A European Journal</i> , 2016, 22, 1572-1576.	1.7	85
48	Carbonylative Coupling of Alkyl Zinc Reagents with Benzyl Bromides Catalyzed by a Nickel/NN <sub>2</sub> -Pincer Ligand Complex. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 800-804.	7.2	85
49	Organocatalyzed CO <sub>2</sub> Trapping Using Alkynyl Indoles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6862-6866.	7.2	84
50	Control and femtosecond time-resolved imaging of torsion in a chiral molecule. <i>Journal of Chemical Physics</i> , 2012, 136, 204310.	1.2	83
51	Can Decarbonylation of Acyl Radicals Be Overcome in Radical Addition Reactions? En Route to a Solution Employing N-Acyl Oxazolidinones and Sml <sub>2</sub> /H <sub>2</sub> O. <i>Journal of the American Chemical Society</i> , 2005, 127, 6544-6545.	6.6	82
52	Bio-supported palladium nanoparticles as a catalyst for Suzuki-Miyaura and Mizoroki-Heck reactions. <i>Green Chemistry</i> , 2009, 11, 2041.	4.6	82
53	Is samarium diiodide an inner- or outer-sphere electron donating agent?. <i>Chemical Communications</i> , 1999, , 343-344.	2.2	81
54	Formation of palladium(0) nanoparticles at microbial surfaces. <i>Biotechnology and Bioengineering</i> , 2010, 107, 206-215.	1.7	78

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55	Studies on the SmI <sub>2</sub> -Promoted Pinacol-Type Cyclization: Synthesis of the Hexahydroazepine Ring of Balanol. <i>Journal of Organic Chemistry</i> , 2000, 65, 5382-5390.	1.7	77
56	Synthesis of isofagomine, a novel glycosidase inhibitor. <i>Tetrahedron</i> , 1994, 50, 13449-13460.	1.0	75
57	A General Approach to 1,2-trans-C-Glycosides via Glycosyl Samarium(III) Compounds. <i>Chemistry - A European Journal</i> , 1998, 4, 655-671.	1.7	74
58	Palladium-Catalyzed Double Carbonylation Using Near Stoichiometric Carbon Monoxide: Expedient Access to Substituted <sup>13</sup> C <sub>2</sub> -Labeled Phenethylamines. <i>Journal of Organic Chemistry</i> , 2012, 77, 6155-6165.	1.7	74
59	Stereocontrolled Synthesis of Methyl Silanediol Peptide Mimics. <i>Journal of Organic Chemistry</i> , 2007, 72, 10035-10044.	1.7	73
60	Irregularities in the Effect of Potassium Phosphate in Ynamide Synthesis. <i>Journal of Organic Chemistry</i> , 2008, 73, 9447-9450.	1.7	73
61	Samarium Diodide Promoted C-Glycosylation: An Application to the Stereospecific Synthesis of $\pm$ -1,2-C-Mannobioside and Its Derivatives. <i>Chemistry - A European Journal</i> , 1999, 5, 430-441.	1.7	72
62	Stereocontrolled Synthesis of $\pm$ -C-Galactosamine Derivatives via Chelation-Controlled C-Glycosylation. <i>Journal of Organic Chemistry</i> , 1998, 63, 2507-2516.	1.7	71
63	A Ligand Free and Room Temperature Protocol for Pd-Catalyzed Kumada-Corriu Couplings of Unactivated Alkenyl Phosphates. <i>Journal of Organic Chemistry</i> , 2009, 74, 3536-3539.	1.7	70
64	Reductive Carbonylation of Aryl Halides Employing a Two-Chamber Reactor: A Protocol for the Synthesis of Aryl Aldehydes Including <sup>13</sup> C- and D-Isotope Labeling. <i>Journal of Organic Chemistry</i> , 2013, 78, 6112-6120.	1.7	70
65	Direct Access to $\pm$ - $\alpha$ -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
66	Mechanistic Investigation of the Electrochemical Reduction of Cp <sub>2</sub> TiX <sub>2</sub> . <i>Organometallics</i> , 2004, 23, 1866-1874.	1.1	69
67	Conformational Flexibility of Chitosan: A Molecular Modeling Study. <i>Biomacromolecules</i> , 2010, 11, 3196-3207.	2.6	67
68	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
69	1,2- <i>cis</i> -C-glycoside synthesis by samarium diiodide-promoted radical cyclizations. <i>Chemistry - A European Journal</i> , 1997, 3, 1342-1356.	1.7	66
70	Non-enzymatic palladium recovery on microbial and synthetic surfaces. <i>Biotechnology and Bioengineering</i> , 2012, 109, 1889-1897.	1.7	65
71	Palladium-Catalyzed Carbonylative Sonogashira Coupling of Aryl Bromides Using Near Stoichiometric Carbon Monoxide. <i>Organic Letters</i> , 2014, 16, 2216-2219.	2.4	65
72	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

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73	<sup>14</sup> C Carbon monoxide made simple – novel approach to the generation, utilization, and scrubbing of <sup>14</sup> C carbon monoxide. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2012, 55, 411-418.	0.5	64
74	Palladium-Catalyzed Thiocarbonylation of Aryl, Vinyl, and Benzyl Bromides. <i>Journal of Organic Chemistry</i> , 2014, 79, 11830-11840.	1.7	64
75	Heteroaromatic Tosylates as Electrophiles in Regioselective Mizoroki–Heck Coupling Reactions with Electron-Rich Olefins. <i>Chemistry - A European Journal</i> , 2009, 15, 5950-5955.	1.7	63
76	Palladium-Catalyzed Approach to Primary Amides Using Nongaseous Precursors. <i>Organic Letters</i> , 2011, 13, 4454-4457.	2.4	63
77	Selective Side Chain Introduction onto Small Peptides Mediated by Samarium Diiodide: A Potential Route to Peptide Libraries. <i>Journal of the American Chemical Society</i> , 2000, 122, 12413-12421.	6.6	62
78	Incorporation of Antimicrobial Peptides into Membranes: A Combined Liquid-State NMR and Molecular Dynamics Study of Alamethicin in DMPC/DHPC Bicelles. <i>Journal of Physical Chemistry B</i> , 2009, 113, 6928-6937.	1.2	62
79	Enhanced Catalytic Activity of Cobalt Porphyrin in CO <sub>2</sub> Electroreduction upon Immobilization on Carbon Materials. <i>Angewandte Chemie</i> , 2017, 129, 6568-6572.	1.6	62
80	Influence of the Halogen in Titanocene Halide Promoted Reductions. <i>Organometallics</i> , 2005, 24, 1252-1262.	1.1	61
81	Palladium Catalyzed Carbonylative Heck Reaction Affording Monoprotected 1,3-Ketoaldehydes. <i>Organic Letters</i> , 2012, 14, 2536-2539.	2.4	61
82	Copper-Catalyzed Carboxylation of Hydroborated Disubstituted Alkenes and Terminal Alkynes with Cesium Fluoride. <i>ACS Catalysis</i> , 2017, 7, 1392-1396.	5.5	59
83	First synthesis of a C-glycoside analogue of a tumor-associated carbohydrate antigen employing samarium diiodide promoted C-glycosylation. <i>Chemical Communications</i> , 1998, , 955-956.	2.2	58
84	Direct synthesis of 1,1-diarylalkenes from alkenyl phosphates via nickel(0)-catalysed Suzuki–Miyaura coupling. <i>Chemical Communications</i> , 2006, , 4137-4139.	2.2	57
85	An Efficient Method for the Preparation of Tertiary Esters by Palladium-Catalyzed Alkoxy carbonylation of Aryl Bromides. <i>Organic Letters</i> , 2012, 14, 284-287.	2.4	57
86	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
87	Palladium-Catalyzed Synthesis of Aromatic Carboxylic Acids with Silacarboxylic Acids. <i>Organic Letters</i> , 2013, 15, 1378-1381.	2.4	57
88	Pd-Catalyzed C–N Bond Formation with Heteroaromatic Tosylates. <i>Chemistry - A European Journal</i> , 2010, 16, 5437-5442.	1.7	56
89	Tin-containing silicates: identification of a glycolytic pathway via 3-deoxyglucosone. <i>Green Chemistry</i> , 2016, 18, 3360-3369.	4.6	56
90	Environmentally Benign Recovery and Reactivation of Palladium from Industrial Waste by Using Gram-Negative Bacteria. <i>ChemSusChem</i> , 2010, 3, 1036-1039.	3.6	54

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91	Efficient Water Reduction with $\text{sp}^3$ - $\text{sp}^3$ Diboron(4) Compounds: Application to Hydrogenations, $\text{H}^2$ Exchange Reactions, and Carbonyl Reductions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15910-15915.	7.2	54
92	Scalable carbon dioxide electroreduction coupled to carbonylation chemistry. <i>Nature Communications</i> , 2017, 8, 489.	5.8	54
93	Conformation of Glycomimetics in the Free and Protein-Bound State: A Structural and Binding Features of the C-glycosyl Analogue of the Core Trisaccharide $\beta$ -D-Man-(1 $\rightarrow$ 3)-[ $\beta$ -D-Man-(1 $\rightarrow$ 6)]-D-Man. <i>Journal of the American Chemical Society</i> , 2002, 124, 14940-14951.	6.6	53
94	Synthesis of the Benzophenone Fragment of Balanol via an Intramolecular Cyclization Event. <i>Journal of Organic Chemistry</i> , 2000, 65, 6052-6060.	1.7	52
95	Palladium-Catalyzed $\text{N}$ -Acylation of Monosubstituted Ureas Using Near-Stoichiometric Carbon Monoxide. <i>Journal of Organic Chemistry</i> , 2012, 77, 3793-3799.	1.7	52
96	Microbially supported synthesis of catalytically active bimetallic Pd-Au nanoparticles. <i>Biotechnology and Bioengineering</i> , 2012, 109, 45-52.	1.7	52
97	Access to $\beta$ -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
98	Size control and catalytic activity of bio-supported palladium nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 85, 373-378.	2.5	51
99	Conformational Differences Between C- and O-Glycosides: The $\beta$ -C-Mannobiose/ $\beta$ -O-Mannobiose Case. <i>Chemistry - A European Journal</i> , 1999, 5, 442-448.	1.7	50
100	Application of Reductive Samarium to the Synthesis of Small Unnatural Peptides. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 242-246.	7.2	50
101	Pd-Catalyzed Carbonylative $\beta$ -Arylation of Aryl Bromides: Scope and Mechanistic Studies. <i>Chemistry - A European Journal</i> , 2013, 19, 17926-17938.	1.7	50
102	Application of the Anomeric Samarium Route for the Convergent Synthesis of the C-Linked Trisaccharide $\beta$ -D-Man-(1 $\rightarrow$ 3)-[ $\beta$ -D-Man-(1 $\rightarrow$ 6)]-D-Man and the Disaccharides $\beta$ -D-Man-(1 $\rightarrow$ 3)-D-Man and $\beta$ -D-Man-(1 $\rightarrow$ 6)-D-Man. <i>Journal of Organic Chemistry</i> , 2002, 67, 6297-6308.	1.7	49
103	Mechanistic Evidence for Intermolecular Radical Carbonyl Additions Promoted by Samarium Diodide. <i>Journal of the American Chemical Society</i> , 2006, 128, 9616-9617.	6.6	49
104	Studies on the 1,2-Migrations in Pd-Catalyzed Negishi Couplings with JosiPhos Ligands. <i>Journal of Organic Chemistry</i> , 2009, 74, 135-143.	1.7	49
105	Cooperative redox activation for carbon dioxide conversion. <i>Nature Communications</i> , 2016, 7, 13782.	5.8	49
106	Sml <sub>2</sub> Reduced Thioesters as Synthons of Unstable Acyl Radicals: A Direct Synthesis of Potential Protease Inhibitors via Intermolecular Radical Addition. <i>Journal of the American Chemical Society</i> , 2003, 125, 4030-4031.	6.6	48
107	On the Mechanism of Electron-Capture-Induced Dissociation of Peptide Dications from <sup>15</sup> N-Labeling and Crown-Ether Complexation. <i>Journal of Physical Chemistry A</i> , 2007, 111, 9641-9643.	1.1	48
108	Controlled electropolymerisation of a carbazole-functionalised iron porphyrin electrocatalyst for CO <sub>2</sub> reduction. <i>Chemical Communications</i> , 2016, 52, 5864-5867.	2.2	48

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109	Are Amines the Holy Grail for Facilitating CO <sub>2</sub> Reduction?. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 9174-9179.	7.2	48
110	Formal Total Synthesis of the Potent Renin Inhibitor Aliskiren: Application of a SmI <sub>2</sub> -Promoted Acyl-like Radical Coupling. <i>Journal of Organic Chemistry</i> , 2006, 71, 4766-4777.	1.7	47
111	Two-Chamber Hydrogen Generation and Application: Access to Pressurized Deuterium Gas. <i>Journal of Organic Chemistry</i> , 2014, 79, 5861-5868.	1.7	47
112	Recent developments in carbonylation chemistry using [ <sup>13</sup> C]CO, [ <sup>11</sup> C]CO, and [ <sup>14</sup> C]CO. <i>Journal of Labelled Compounds and Radiopharmaceuticals</i> , 2018, 61, 949-987.	0.5	47
113	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
114	An Automatic Solid-Phase Synthesis of Peptaibols. <i>Journal of Organic Chemistry</i> , 2009, 74, 1329-1332.	1.7	44
115	Construction of the Bicyclic Core Structure of the Eneidyne Antibiotic Esperamicin-A1 in Either Enantiomeric Form from (-)-Quinic Acid. <i>Journal of Organic Chemistry</i> , 1995, 60, 2753-2761.	1.7	43
116	Pardaxin Permeabilizes Vesicles More Efficiently by Pore Formation than by Disruption. <i>Biophysical Journal</i> , 2010, 98, 576-585.	0.2	43
117	SmI <sub>2</sub> -Mediated Cyclizations of Derivatized Î <sup>2</sup> -Lactams for the Highly Diastereoselective Construction of Functionalized Prolines. <i>Journal of Organic Chemistry</i> , 2002, 67, 2411-2417.	1.7	42
118	Further Studies toward the Stereocontrolled Synthesis of Silicon-Containing Peptide Mimics. <i>Journal of Organic Chemistry</i> , 2010, 75, 3283-3293.	1.7	42
119	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
120	Access to Î <sup>2</sup> -Ketonitriles through Nickel-Catalyzed Carbonylative Coupling of Î <sup>1</sup> -Bromonitriles with Alkylzinc Reagents. <i>Chemistry - A European Journal</i> , 2019, 25, 9856-9860.	1.7	42
121	Formal total synthesis of the PKC inhibitor, balanol: preparation of the fully protected benzophenone fragment. <i>Tetrahedron</i> , 2002, 58, 2231-2238.	1.0	41
122	Stereocontrolled Synthesis of 2-Substituted-1,3-Azasilheterocycles. <i>Organic Letters</i> , 2010, 12, 3528-3531.	2.4	41
123	Palladium-Catalyzed Carbonylative Î <sup>1</sup> -Arylation to Î <sup>2</sup> -Ketonitriles. <i>Chemistry - A European Journal</i> , 2014, 20, 9534-9538.	1.7	41
124	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
125	Design and Applications of a SO <sub>2</sub> Surrogate in Palladium-Catalyzed Direct Aminosulfonylation between Aryl Iodides and Amines. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 7353-7359.	7.2	40
126	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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127	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
128	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
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