

Troels Skrydstrup

List of Publications by Year in descending order

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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.	15.6	404
2	<i>Ex Situ</i> Generation of Stoichiometric and Substoichiometric ^{12}CO and ^{13}CO and Its Efficient Incorporation in Palladium Catalyzed Aminocarbonylations. <i>Journal of the American Chemical Society</i> , 2011, 133, 6061-6071.	13.7	389
3	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.	34.4	373
4	Enhanced Catalytic Activity of Cobalt Porphyrin in CO_2 Electroreduction upon Immobilization on Carbon Materials. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 6468-6472.	13.8	305
5	Selective CO_2 Reduction to CO in Water using Earth-Abundant Metal and Nitrogen-Doped Carbon Electrocatalysts. <i>ACS Catalysis</i> , 2018, 8, 6255-6264.	11.2	267
6	Silicon-Tethered Reactions. <i>Chemical Reviews</i> , 1995, 95, 1253-1277.	47.7	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.	13.7	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.	13.8	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.	13.7	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.	13.8	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.	4.6	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.	15.6	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.	4.6	152
15	Gold-Catalyzed Carbene Transfer to Alkynes: Access to 2,4-Disubstituted Furans. <i>Angewandte Chemie - International Edition</i> , 2012, 51, 4681-4684.	13.8	148
16	Highly Regioselective Au(I)-Catalyzed Hydroamination of Ynamides and Propiolic Acid Derivatives with Anilines. <i>Organic Letters</i> , 2009, 11, 4208-4211.	4.6	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.	13.7	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.	13.7	134

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19	Efficient Fluoride-Catalyzed Conversion of CO ₂ to CO at Room Temperature. Journal of the American Chemical Society, 2014, 136, 6142-6147.	13.7	130
20	Mild Pd-Catalyzed Aminocarbonylation of (Hetero)Aryl Bromides with a Palladacycle Precatalyst. Organic Letters, 2014, 16, 4296-4299.	4.6	130
21	Studies on the Heck Reaction with Alkenyl Phosphates: Can the 1,2-Migration Be Controlled? Scope and Limitations. Journal of the American Chemical Society, 2007, 129, 6931-6942.	13.7	122
22	Direct Vinylation and Difluorovinylation of Arylboronic Acids Using Vinyl- and 2,2-Difluorovinyl Tosylates via the Suzuki-Miyaura Cross Coupling. Journal of Organic Chemistry, 2008, 73, 3404-3410.	3.2	120
23	Hydrophobic Copper Interfaces Boost Electroreduction of Carbon Dioxide to Ethylene in Water. ACS Catalysis, 2021, 11, 958-966.	11.2	120
24	A Highly Stereoselective Synthesis of 1,2-trans-C-Glycosides via Glycosyl Samarium(III) Compounds. Angewandte Chemie International Edition in English, 1995, 34, 909-912.	4.4	115
25	Low-Valence Zn ⁰ Single-Atom Material as Highly Efficient Electrocatalyst for CO ₂ Reduction. Angewandte Chemie - International Edition, 2021, 60, 22826-22832.	13.8	115
26	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
27	Effective Palladium-Catalyzed Hydroxycarbonylation of Aryl Halides with Substoichiometric Carbon Monoxide. Journal of the American Chemical Society, 2013, 135, 2891-2894.	13.7	113
28	Evidence for Ionic Samarium(II) Species in THF/HMPA Solution and Investigation of Their Electron-Donating Properties. Chemistry - A European Journal, 2000, 6, 3747-3754.	3.3	110
29	Restructuring Metal-Organic Frameworks to Nanoscale Bismuth Electrocatalysts for Highly Active and Selective CO ₂ Reduction to Formate. Advanced Functional Materials, 2020, 30, 1910408.	14.9	110
30	Pd-Catalyzed Thiocarbonylation with Stoichiometric Carbon Monoxide: Scope and Applications. Organic Letters, 2013, 15, 948-951.	4.6	106
31	Taking Advantage of the Ambivalent Reactivity of Ynamides in Gold Catalysis: A Rare Case of Alkyne Dimerization. Angewandte Chemie - International Edition, 2011, 50, 5090-5094.	13.8	105
32	Coexistence of ribbon and helical fibrils originating from hIAPP ₂₀₋₂₉ 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
33	Evaluation of Isofagomine and Its Derivatives As Potent Glycosidase Inhibitors. Biochemistry, 1996, 35, 2788-2795.	2.5	103
34	Samarium Iodide Induced Intramolecular C-Glycoside Formation: Efficient Radical Formation in the Absence of an Additive. Angewandte Chemie International Edition in English, 1994, 33, 1383-1386.	4.4	101
35	Carbonylative Heck Reactions Using CO Generated <i>ex Situ</i> in a Two-Chamber System. Organic Letters, 2011, 13, 2444-2447.	4.6	98
36	Regioselective Heck Couplings of β,β -Unsaturated Tosylates and Mesylates with Electron-Rich Olefins. Organic Letters, 2005, 7, 5585-5587.	4.6	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.	4.6	96
38	Sml ₂ -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.	4.6	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.	13.8	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.	3.2	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.	13.8	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.	13.7	87
44	Fast and Regioselective Heck Couplings with N-Acyl-N-vinylamine Derivatives. <i>Journal of Organic Chemistry</i> , 2005, 70, 5997-6003.	3.2	85
45	Application of Ynamides in the Synthesis of 2-Amidoindoles. <i>Organic Letters</i> , 2009, 11, 221-224.	4.6	85
46	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.	13.7	85
47	Chemo- and Regioselective Ethynylation of Tryptophan-Containing Peptides and Proteins. <i>Chemistry - A European Journal</i> , 2016, 22, 1572-1576.	3.3	85
48	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.	13.8	85
49	Organocatalyzed CO ₂ Trapping Using Alkynyl Indoles. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 6862-6866.	13.8	84
50	Control and femtosecond time-resolved imaging of torsion in a chiral molecule. <i>Journal of Chemical Physics</i> , 2012, 136, 204310.	3.0	83
51	Can Decarbonylation of Acyl Radicals Be Overcome in Radical Addition Reactions? En Route to a Solution Employing N-Acyl Oxazolidinones and Sml ₂ /H ₂ O. <i>Journal of the American Chemical Society</i> , 2005, 127, 6544-6545.	13.7	82
52	Bio-supported palladium nanoparticles as a catalyst for Suzuki-Miyaura and Mizoroki-Heck reactions. <i>Green Chemistry</i> , 2009, 11, 2041.	9.0	82
53	Is samarium diiodide an inner- or outer-sphere electron donating agent?. <i>Chemical Communications</i> , 1999, , 343-344.	4.1	81
54	Formation of palladium(0) nanoparticles at microbial surfaces. <i>Biotechnology and Bioengineering</i> , 2010, 107, 206-215.	3.3	78

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55	Studies on the SmI ₂ -Promoted Pinacol-Type Cyclization: A Synthesis of the Hexahydroazepine Ring of Balanol. Journal of Organic Chemistry, 2000, 65, 5382-5390.	3.2	77
56	Synthesis of isofagomine, a novel glycosidase inhibitor. Tetrahedron, 1994, 50, 13449-13460.	1.9	75
57	A General Approach to 1,2-trans-C-Glycosides via Glycosyl Samarium(III) Compounds. Chemistry - A European Journal, 1998, 4, 655-671.	3.3	74
58	Palladium-Catalyzed Double Carbonylation Using Near Stoichiometric Carbon Monoxide: Expedient Access to Substituted ¹³ C ₂ -Labeled Phenethylamines. Journal of Organic Chemistry, 2012, 77, 6155-6165.	3.2	74
59	Stereocontrolled Synthesis of Methyl Silanediol Peptide Mimics. Journal of Organic Chemistry, 2007, 72, 10035-10044.	3.2	73
60	Irregularities in the Effect of Potassium Phosphate in Ynamide Synthesis. Journal of Organic Chemistry, 2008, 73, 9447-9450.	3.2	73
61	Samarium Diiodide Promoted C-Glycosylation: An Application to the Stereospecific Synthesis of \pm -1,2-C-Mannobioside and Its Derivatives. Chemistry - A European Journal, 1999, 5, 430-441.	3.3	72
62	Stereocontrolled Synthesis of \pm -C-Galactosamine Derivatives via Chelation-Controlled C-Glycosylation. Journal of Organic Chemistry, 1998, 63, 2507-2516.	3.2	71
63	A Ligand Free and Room Temperature Protocol for Pd-Catalyzed Kumada-Corriu Couplings of Unactivated Alkenyl Phosphates. Journal of Organic Chemistry, 2009, 74, 3536-3539.	3.2	70
64	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. Journal of Organic Chemistry, 2013, 78, 6112-6120.	3.2	70
65	Direct Access to \pm -difluoroacylated Arenes by Palladium-Catalyzed Carbonylation of (Hetero)Aryl Boronic Acid Derivatives. Angewandte Chemie - International Edition, 2016, 55, 10396-10400.	13.8	70
66	Mechanistic Investigation of the Electrochemical Reduction of Cp ₂ TiX ₂ . Organometallics, 2004, 23, 1866-1874.	2.3	69
67	Conformational Flexibility of Chitosan: A Molecular Modeling Study. Biomacromolecules, 2010, 11, 3196-3207.	5.4	67
68	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
69	1,2- <i>cis</i> -C-glycoside synthesis by samarium diiodide-promoted radical cyclizations. Chemistry - A European Journal, 1997, 3, 1342-1356.	3.3	66
70	Non-enzymatic palladium recovery on microbial and synthetic surfaces. Biotechnology and Bioengineering, 2012, 109, 1889-1897.	3.3	65
71	Palladium-Catalyzed Carbonylative Sonogashira Coupling of Aryl Bromides Using Near Stoichiometric Carbon Monoxide. Organic Letters, 2014, 16, 2216-2219.	4.6	65
72	Carbonylative Suzuki Couplings of Aryl Bromides with Boronic Acid Derivatives under Base-Free Conditions. Organic Letters, 2014, 16, 1888-1891.	4.6	65

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73	¹⁴ C Carbon monoxide made simple – novel approach to the generation, utilization, and scrubbing of ¹⁴ C carbon monoxide. Journal of Labelled Compounds and Radiopharmaceuticals, 2012, 55, 411-418.	1.0	64
74	Palladium-Catalyzed Thiocarbonylation of Aryl, Vinyl, and Benzyl Bromides. Journal of Organic Chemistry, 2014, 79, 11830-11840.	3.2	64
75	Heteroaromatic Tosylates as Electrophiles in Regioselective Mizoroki–Heck Coupling Reactions with Electron-Rich Olefins. Chemistry - A European Journal, 2009, 15, 5950-5955.	3.3	63
76	Palladium-Catalyzed Approach to Primary Amides Using Nongaseous Precursors. Organic Letters, 2011, 13, 4454-4457.	4.6	63
77	Selective Side Chain Introduction onto Small Peptides Mediated by Samarium Diiodide: A Potential Route to Peptide Libraries. Journal of the American Chemical Society, 2000, 122, 12413-12421.	13.7	62
78	Incorporation of Antimicrobial Peptides into Membranes: A Combined Liquid-State NMR and Molecular Dynamics Study of Alamethicin in DMPC/DHPC Bicelles. Journal of Physical Chemistry B, 2009, 113, 6928-6937.	2.6	62
79	Enhanced Catalytic Activity of Cobalt Porphyrin in CO ₂ Electroreduction upon Immobilization on Carbon Materials. Angewandte Chemie, 2017, 129, 6568-6572.	2.0	62
80	Influence of the Halogen in Titanocene Halide Promoted Reductions. Organometallics, 2005, 24, 1252-1262.	2.3	61
81	Palladium Catalyzed Carbonylative Heck Reaction Affording Monoprotected 1,3-Ketoaldehydes. Organic Letters, 2012, 14, 2536-2539.	4.6	61
82	Copper-Catalyzed Carboxylation of Hydroborated Disubstituted Alkenes and Terminal Alkynes with Cesium Fluoride. ACS Catalysis, 2017, 7, 1392-1396.	11.2	59
83	First synthesis of a C-glycoside analogue of a tumor-associated carbohydrate antigen employing samarium diiodide promoted C-glycosylation. Chemical Communications, 1998, , 955-956.	4.1	58
84	Direct synthesis of 1,1-diarylalkenes from alkenyl phosphates via nickel(0)-catalysed Suzuki–Miyaura coupling. Chemical Communications, 2006, , 4137-4139.	4.1	57
85	An Efficient Method for the Preparation of Tertiary Esters by Palladium-Catalyzed Alkoxy carbonylation of Aryl Bromides. Organic Letters, 2012, 14, 284-287.	4.6	57
86	An Air-Tolerant Approach to the Carbonylative Suzuki–Miyaura Coupling: Applications in Isotope Labeling. Journal of Organic Chemistry, 2013, 78, 10310-10318.	3.2	57
87	Palladium-Catalyzed Synthesis of Aromatic Carboxylic Acids with Silacarboxylic Acids. Organic Letters, 2013, 15, 1378-1381.	4.6	57
88	Pd-Catalyzed C–N Bond Formation with Heteroaromatic Tosylates. Chemistry - A European Journal, 2010, 16, 5437-5442.	3.3	56
89	Tin-containing silicates: identification of a glycolytic pathway via 3-deoxyglucosone. Green Chemistry, 2016, 18, 3360-3369.	9.0	56
90	Environmentally Benign Recovery and Reactivation of Palladium from Industrial Waste by Using Gram-Negative Bacteria. ChemSusChem, 2010, 3, 1036-1039.	6.8	54

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91	Efficient Water Reduction with $\text{sp}^3\text{-}\text{B}(\text{OR})_3$ Diboron(4) Compounds: Application to Hydrogenations, H^2D Exchange Reactions, and Carbonyl Reductions. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 15910-15915.	13.8	54
92	Scalable carbon dioxide electroreduction coupled to carbonylation chemistry. <i>Nature Communications</i> , 2017, 8, 489.	12.8	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 $\beta\text{-d-Man-(1}\rightarrow\text{3)-}[\beta\text{-d-Man-(1}\rightarrow\text{6)]-d-Man}$. <i>Journal of the American Chemical Society</i> , 2002, 124, 14940-14951.	13.7	53
94	Synthesis of the Benzophenone Fragment of Balanol via an Intramolecular Cyclization Event. <i>Journal of Organic Chemistry</i> , 2000, 65, 6052-6060.	3.2	52
95	Palladium-Catalyzed N -Acylation of Monosubstituted Ureas Using Near-Stoichiometric Carbon Monoxide. <i>Journal of Organic Chemistry</i> , 2012, 77, 3793-3799.	3.2	52
96	Microbially supported synthesis of catalytically active bimetallic Pd-Au nanoparticles. <i>Biotechnology and Bioengineering</i> , 2012, 109, 45-52.	3.3	52
97	Access to β -Keto Esters by Palladium-Catalyzed Carbonylative Coupling of Aryl Halides with Monoester Potassium Malonates. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9763-9766.	13.8	52
98	Size control and catalytic activity of bio-supported palladium nanoparticles. <i>Colloids and Surfaces B: Biointerfaces</i> , 2011, 85, 373-378.	5.0	51
99	Conformational Differences Between C- and O-Glycosides: The $\beta\text{-C-Mannobiose}/\beta\text{-O-Mannobiose}$ Case. <i>Chemistry - A European Journal</i> , 1999, 5, 442-448.	3.3	50
100	Application of Reductive Samarium to the Synthesis of Small Unnatural Peptides. <i>Angewandte Chemie - International Edition</i> , 2000, 39, 242-246.	13.8	50
101	Pd-Catalyzed Carbonylative β -Arylation of Aryl Bromides: Scope and Mechanistic Studies. <i>Chemistry - A European Journal</i> , 2013, 19, 17926-17938.	3.3	50
102	Application of the Anomeric Samarium Route for the Convergent Synthesis of the C-Linked Trisaccharide $\beta\text{-d-Man-(1}\rightarrow\text{3)-}[\beta\text{-d-Man-(1}\rightarrow\text{6)]-d-Man}$ and the Disaccharides $\beta\text{-d-Man-(1}\rightarrow\text{3)-d-Man}$ and $\beta\text{-d-Man-(1}\rightarrow\text{6)-d-Man}$. <i>Journal of Organic Chemistry</i> , 2002, 67, 6297-6308.	3.2	49
103	Mechanistic Evidence for Intermolecular Radical Carbonyl Additions Promoted by Samarium Diiodide. <i>Journal of the American Chemical Society</i> , 2006, 128, 9616-9617.	13.7	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.	3.2	49
105	Cooperative redox activation for carbon dioxide conversion. <i>Nature Communications</i> , 2016, 7, 13782.	12.8	49
106	Sml2-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.	13.7	48
107	On the Mechanism of Electron-Capture-Induced Dissociation of Peptide Dications from ^{15}N -Labeling and Crown-Ether Complexation. <i>Journal of Physical Chemistry A</i> , 2007, 111, 9641-9643.	2.5	48
108	Controlled electropolymerisation of a carbazole-functionalised iron porphyrin electrocatalyst for CO_2 reduction. <i>Chemical Communications</i> , 2016, 52, 5864-5867.	4.1	48

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109	Are Amines the Holy Grail for Facilitating CO ₂ Reduction?. Angewandte Chemie - International Edition, 2021, 60, 9174-9179.	13.8	48
110	Formal Total Synthesis of the Potent Renin Inhibitor Aliskiren: Application of a SmI ₂ -Promoted Acyl-like Radical Coupling. Journal of Organic Chemistry, 2006, 71, 4766-4777.	3.2	47
111	Two-Chamber Hydrogen Generation and Application: Access to Pressurized Deuterium Gas. Journal of Organic Chemistry, 2014, 79, 5861-5868.	3.2	47
112	Recent developments in carbonylation chemistry using [¹³ C]CO, [¹¹ C]CO, and [¹⁴ C]CO. Journal of Labelled Compounds and Radiopharmaceuticals, 2018, 61, 949-987.	1.0	47
113	Catalytic Hydrogenation of Polyurethanes to Base Chemicals: From Model Systems to Commercial and End-of-Life Polyurethane Materials. JACS, 2021, 1, 517-524.	7.9	45
114	An Automatic Solid-Phase Synthesis of Peptaibols. Journal of Organic Chemistry, 2009, 74, 1329-1332.	3.2	44
115	Construction of the Bicyclic Core Structure of the Eneidine Antibiotic Esperamicin-A1 in Either Enantiomeric Form from (-)-Quinic Acid. Journal of Organic Chemistry, 1995, 60, 2753-2761.	3.2	43
116	Pardaxin Permeabilizes Vesicles More Efficiently by Pore Formation than by Disruption. Biophysical Journal, 2010, 98, 576-585.	0.5	43
117	SmI ₂ -Mediated Cyclizations of Derivatized β -Lactams for the Highly Diastereoselective Construction of Functionalized Prolines. Journal of Organic Chemistry, 2002, 67, 2411-2417.	3.2	42
118	Further Studies toward the Stereocontrolled Synthesis of Silicon-Containing Peptide Mimics. Journal of Organic Chemistry, 2010, 75, 3283-3293.	3.2	42
119	Access to 1,2-Dihydroisoquinolines through Gold-Catalyzed Formal [4+2] Cycloaddition. Chemistry - A European Journal, 2014, 20, 7926-7930.	3.3	42
120	Access to β -Ketonitriles through Nickel-Catalyzed Carbonylative Coupling of α -Bromonitriles with Alkylzinc Reagents. Chemistry - A European Journal, 2019, 25, 9856-9860.	3.3	42
121	Formal total synthesis of the PKC inhibitor, balanol: preparation of the fully protected benzophenone fragment. Tetrahedron, 2002, 58, 2231-2238.	1.9	41
122	Stereocontrolled Synthesis of 2-Substituted-1,3-Azasilaheterocycles. Organic Letters, 2010, 12, 3528-3531.	4.6	41
123	Palladium-Catalyzed Carbonylative α -Arylation to β -Ketonitriles. Chemistry - A European Journal, 2014, 20, 9534-9538.	3.3	41
124	C-H activation dependent Pd-catalyzed carbonylative coupling of (hetero)aryl bromides and polyfluoroarenes. Chemical Communications, 2015, 51, 1870-1873.	4.1	40
125	Design and Applications of a SO ₂ Surrogate in Palladium-Catalyzed Direct Aminosulfonylation between Aryl Iodides and Amines. Angewandte Chemie - International Edition, 2021, 60, 7353-7359.	13.8	40
126	1,2,4- and 1,3,4-Oxadiazole Synthesis by Palladium-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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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.	13.8	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.	13.8	38
129	The stereospecific synthesis of methyl α -C-mannobioside: a potential inhibitor of <i>M. tuberculosis</i> binding to human macrophages. <i>Chemical Communications</i> , 1996, , 1661-1662.	4.1	37
130	Ligand Effects on the Diastereoselectivities of Samarium Diiodide Promoted Pinacol Coupling. <i>European Journal of Organic Chemistry</i> , 1999, 1999, 565-572.	2.4	37
131	Highly Diastereoselective Mannich-Type Reactions of Chiral N-Acylhydrazones. <i>Journal of Organic Chemistry</i> , 2004, 69, 4792-4796.	3.2	37
132	Creating carbon-carbon bonds with samarium diiodide for the synthesis of modified amino acids and peptides. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3553-3564.	2.8	37
133	Importance of C-N Bond Rotation in N-Acyl Oxazolidinones in their SmI ₂ -Promoted Coupling to Acrylamides. <i>Journal of the American Chemical Society</i> , 2009, 131, 10253-10262.	13.7	37
134	Asymmetric Mannich-Type Reactions for the Synthesis of Aspartic Acid Derivatives from Chiral N-tert-Butanesulfinylimino Esters. <i>Journal of Organic Chemistry</i> , 2003, 68, 7112-7114.	3.2	36
135	Stereoselective Synthesis of α -C-Glucosamines via Anomeric Organosamarium Reagents. <i>Synlett</i> , 1998, 1998, 1393-1395.	1.8	35
136	Residue-Specific Information about the Dynamics of Antimicrobial Peptides from ¹⁵ N and ² H Solid-State NMR Spectroscopy. <i>Journal of the American Chemical Society</i> , 2009, 131, 18335-18342.	13.7	35
137	Ex situ 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. <i>Chemical Science</i> , 2017, 8, 8094-8105.	7.4	35
138	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.	10.3	35
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