Troels Skrydstrup

List of Publications by Year
in descending order

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297 papers	15,302 citations	15466 65 h-index	31759 101 g-index
405 all docs	405 docs citations	405 times ranked	11738 citing authors

#	Article	IF	Citations
1	The Development and Application of Two-Chamber Reactors and Carbon Monoxide Precursors for Safe Carbonylation Reactions. Accounts of Chemical Research, 2016, 49, 594-605.	7.6	404
2	Ex Situ Generation of Stoichiometric and Substoichiometric ¹²CO and ¹³CO and Its Efficient Incorporation in Palladium Catalyzed Aminocarbonylations. Journal of the American Chemical Society, 2011, 133, 6061-6071.	6.6	389
3	Chemically and electrochemically catalysed conversion of CO2 to CO with follow-up utilization to value-added chemicals. Nature Catalysis, 2018, 1, 244-254.	16.1	373
4	Enhanced Catalytic Activity of Cobalt Porphyrin in CO₂ Electroreduction upon Immobilization on Carbon Materials. Angewandte Chemie - International Edition, 2017, 56, 6468-6472.	7.2	305
5	Selective CO₂ Reduction to CO in Water using Earth-Abundant Metal and Nitrogen-Doped Carbon Electrocatalysts. ACS Catalysis, 2018, 8, 6255-6264.	5.5	267
6	Silicon-Tethered Reactions. Chemical Reviews, 1995, 95, 1253-1277.	23.0	260
7	Silacarboxylic Acids as Efficient Carbon Monoxide Releasing Molecules: Synthesis and Application in Palladium-Catalyzed Carbonylation Reactions. Journal of the American Chemical Society, 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. Angewandte Chemie - International Edition, 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. Journal of the American Chemical Society, 2010, 132, 7998-8009.	6.6	196
10	Unique Identification of Supramolecular Structures in Amyloid Fibrils by Solidâ€State NMR Spectroscopy. Angewandte Chemie - International Edition, 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. Organic Letters, 2010, 12, 2758-2761.	2.4	187
12	Efficient Routes to Carbonâ€“Silicon Bond Formation for the Synthesis of Silicon-Containing Peptides and Azasilaheterocycles. Accounts of Chemical Research, 2013, 46, 457-470.	7.6	184
13	Isofagomine, a Potent, New Glycosidase Inhibitor. Angewandte Chemie International Edition in English, 1994, 33, 1778-1779.	4.4	163
14	Modernized Low Pressure Carbonylation Methods in Batch and Flow Employing Common Acids as a CO Source. Organic Letters, 2013, 15, 2794-2797.	2.4	152
15	Goldâ€Catalyzed Carbene Transfer to Alkynes: Access to 2,4â€Disubstituted Furans. Angewandte Chemie - International Edition, 2012, 51, 4681-4684.	7.2	148
16	Highly Regioselective Au(I)-Catalyzed Hydroamination of Ynamides and Propiolic Acid Derivatives with Anilines. Organic Letters, 2009, 11, 4208-4211.	2.4	140
17	Mild and Efficient Nickel-Catalyzed Heck Reactions with Electron-Rich Olefins. Journal of the American Chemical Society, 2012, 134, 443-452.	6.6	138
18	Revelation of the Nature of the Reducing Species in Titanocene Halide-Promoted Reductions. Journal of the American Chemical Society, 2004, 126, 7853-7864.	6.6	134

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19	Efficient Fluoride-Catalyzed Conversion of CO₂ to CO at Room Temperature. Journal of the American Chemical Society, 2014, 136, 6142-6147.	6.6	130
20	Mild Pd-Catalyzed Aminocarbonylation of (Hetero)Aryl Bromides with a Palladacycle Precatalyst. Organic Letters, 2014, 16, 4296-4299.	2.4	130
21	Studies on the Heck Reaction with Alkenyl Phosphates:Â Can the 1,2-Migration Be Controlled? Scope and Limitations. Journal of the American Chemical Society, 2007, 129, 6931-6942.	6.6	122
22	Direct Vinylation and Difluorovinylation of Arylboronic Acids Using Vinyl- and 2,2-Difluorovinyl Tosylates via the Suzukiâ^'Miyaura Cross Coupling. Journal of Organic Chemistry, 2008, 73, 3404-3410.	1.7	120
23	Hydrophobic Copper Interfaces Boost Electroreduction of Carbon Dioxide to Ethylene in Water. ACS Catalysis, 2021, 11, 958-966.	5.5	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	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.	7.2	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.	6.6	114
27	Effective Palladium-Catalyzed Hydroxycarbonylation of Aryl Halides with Substoichiometric Carbon Monoxide. Journal of the American Chemical Society, 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. Chemistry - A European Journal, 2000, 6, 3747-3754.	1.7	110
29	Restructuring Metalâ€"Organic Frameworks to Nanoscale Bismuth Electrocatalysts for Highly Active and Selective CO₂ Reduction to Formate. Advanced Functional Materials, 2020, 30, 1910408.	7.8	110
30	Pd-Catalyzed Thiocarbonylation with Stoichiometric Carbon Monoxide: Scope and Applications. Organic Letters, 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. Angewandte Chemie - International Edition, 2011, 50, 5090-5094.	7.2	105
32	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.	3.3	104
33	Evaluation of Isofagomine and Its Derivatives As Potent Glycosidase Inhibitors. Biochemistry, 1996, 35, 2788-2795.	1.2	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 ex Situ in a Two-Chamber System. Organic Letters, 2011, 13, 2444-2447.	2.4	98
36	Regioselective Heck Couplings of Î±,Î²-Unsaturated Tosylates and Mesylates with Electron-Rich Olefins. Organic Letters, 2005, 7, 5585-5587.	2.4	96

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37	Heteroaromatic Sulfonates and Phosphates as Electrophiles in Iron-Catalyzed Cross-Couplings. Organic Letters, 2009, 11, 4886-4888.	2.4	96
38	SmI2-Promoted Radical Addition of Nitrones to Î±,Î²-Unsaturated Amides and Esters:â€‰ Synthesis of Î³-Amino Acids via a Nitrogen Equivalent to the Ketyl Radical. Organic Letters, 2003, 5, 229-231.	2.4	95
39	New Sequential Reactions with Single-Electron-Donating Agents. Angewandte Chemie International Edition in English, 1997, 36, 345-347.	4.4	94
40	Palladiumâ€Catalyzed Carbonylative Î±â€Arylation for Accessing 1,3â€Diketones. Angewandte Chemie - International Edition, 2012, 51, 798-801.	7.2	92
41	Investigations on the Suzukiâ^'Miyaura and Negishi Couplings with Alkenyl Phosphates:Â Application to the Synthesis of 1,1-Disubstituted Alkenes. Journal of Organic Chemistry, 2007, 72, 6464-6472.	1.7	90
42	Palladiumâ€Catalyzed Intermolecular Eneâ€“Yne Coupling: Development of an Atomâ€Efficient Mizorokiâ€“Heckâ€Type Reaction. Angewandte Chemie - International Edition, 2008, 47, 2668-2672.	7.2	89
43	Sequential Câ^'Si Bond Formations from Diphenylsilane: Application to Silanediol Peptide Isostere Precursors. Journal of the American Chemical Society, 2008, 130, 13145-13151.	6.6	87
44	Fast and Regioselective Heck Couplings with N-Acyl-N-vinylamine Derivatives. Journal of Organic Chemistry, 2005, 70, 5997-6003.	1.7	85
45	Application of Ynamides in the Synthesis of 2-Amidoindoles. Organic Letters, 2009, 11, 221-224.	2.4	85
46	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.	6.6	85
47	Chemoâ€and Regioselective Ethynylation of Tryptophanâ€Containing Peptides and Proteins. Chemistry - A European Journal, 2016, 22, 1572-1576.	1.7	85
48	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.	7.2	85
49	Organocatalyzed CO₂ Trapping Using Alkynyl Indoles. Angewandte Chemie - International Edition, 2015, 54, 6862-6866.	7.2	84
50	Control and femtosecond time-resolved imaging of torsion in a chiral molecule. Journal of Chemical Physics, 2012, 136, 204310.	1.2	83
51	Can Decarbonylation of Acyl Radicals Be Overcome in Radical Addition Reactions? En Route to a Solution EmployingN-Acyl Oxazolidinones and SmI2/H2O. Journal of the American Chemical Society, 2005, 127, 6544-6545.	6.6	82
52	Bio-supported palladium nanoparticles as a catalyst for Suzukiâ€“Miyaura and Mizorokiâ€“Heck reactions. Green Chemistry, 2009, 11, 2041.	4.6	82
53	Is samarium diiodide an inner- or outer-sphere electron donating agent?. Chemical Communications, 1999, , 343-344.	2.2	81
54	Formation of palladium(0) nanoparticles at microbial surfaces. Biotechnology and Bioengineering, 2010, 107, 206-215.	1.7	78

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55	Studies on the SmI2-Promoted Pinacol-Type Cyclization:Â Synthesis of the Hexahydroazepine Ring of Balanol. Journal of Organic Chemistry, 2000, 65, 5382-5390.	1.7	77
56	Synthesis of isofagomine, a novel glycosidase inhibitor. Tetrahedron, 1994, 50, 13449-13460.	1.0	75
57	A General Approach to 1,2-trans-C-Glycosides via Glycosyl Samarium(III) Compounds. Chemistry - A European Journal, 1998, 4, 655-671.	1.7	74
58	Palladium-Catalyzed Double Carbonylation Using Near Stoichiometric Carbon Monoxide: Expedient Access to Substituted ¹³C₂-Labeled Phenethylamines. Journal of Organic Chemistry, 2012, 77, 6155-6165.	1.7	74
59	Stereocontrolled Synthesis of Methyl Silanediol Peptide Mimics. Journal of Organic Chemistry, 2007, 72, 10035-10044.	1.7	73
60	Irregularities in the Effect of Potassium Phosphate in Ynamide Synthesis. Journal of Organic Chemistry, 2008, 73, 9447-9450.	1.7	73
61	Samarium Diiodide PromotedC-Glycosylation: An Application to the Stereospecific Synthesis ofÎ±-1,2-C-Mannobioside and Its Derivatives. Chemistry - A European Journal, 1999, 5, 430-441.	1.7	72
62	Stereocontrolled Synthesis of Î±-C-Galactosamine Derivatives via Chelation-ControlledC-Glycosylation. Journal of Organic Chemistry, 1998, 63, 2507-2516.	1.7	71
63	A Ligand Free and Room Temperature Protocol for Pd-Catalyzed Kumadaâ"Corriu Couplings of Unactivated Alkenyl Phosphates. Journal of Organic Chemistry, 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 ¹³C- and D-Isotope Labeling. Journal of Organic Chemistry, 2013, 78, 6112-6120.	1.7	70
65	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.	7.2	70
66	Mechanistic Investigation of the Electrochemical Reduction of Cp2TiX2. Organometallics, 2004, 23, 1866-1874.	1.1	69
67	Conformational Flexibility of Chitosan: A Molecular Modeling Study. Biomacromolecules, 2010, 11, 3196-3207.	2.6	67
68	Direct trans-Selective Ruthenium-Catalyzed Reduction of Alkynes in Two-Chamber Reactors and Continuous Flow. ACS Catalysis, 2016, 6, 4710-4714.	5.5	67
69	1,2â€cisâ€Câ€glycoside synthesis by samarium diiodideâ€promoted radical cyclizations. Chemistry - A European Journal, 1997, 3, 1342-1356.	1.7	66
70	Nonâ€enzymatic palladium recovery on microbial and synthetic surfaces. Biotechnology and Bioengineering, 2012, 109, 1889-1897.	1.7	65
71	Palladium-Catalyzed Carbonylative Sonogashira Coupling of Aryl Bromides Using Near Stoichiometric Carbon Monoxide. Organic Letters, 2014, 16, 2216-2219.	2.4	65
72	Carbonylative Suzuki Couplings of Aryl Bromides with Boronic Acid Derivatives under Base-Free Conditions. Organic Letters, 2014, 16, 1888-1891.	2.4	65

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73	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.	0.5	64
74	Palladium-Catalyzed Thiocarbonylation of Aryl, Vinyl, and Benzyl Bromides. Journal of Organic Chemistry, 2014, 79, 11830-11840.	1.7	64
75	Heteroaromatic Tosylates as Electrophiles in Regioselective Mizorokiâ€“Heckâ€€Coupling Reactions with Electronâ€Rich Olefins. Chemistry - A European Journal, 2009, 15, 5950-5955.	1.7	63
76	Palladium-Catalyzed Approach to Primary Amides Using Nongaseous Precursors. Organic Letters, 2011, 13, 4454-4457.	2.4	63
77	Selective Side Chain Introduction onto Small Peptides Mediated by Samarium Diiodide:Â A Potential Route to Peptide Libraries. Journal of the American Chemical Society, 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. Journal of Physical Chemistry B, 2009, 113, 6928-6937.	1.2	62
79	Enhanced Catalytic Activity of Cobalt Porphyrin in CO₂ Electroreduction upon Immobilization on Carbon Materials. Angewandte Chemie, 2017, 129, 6568-6572.	1.6	62
80	Influence of the Halogen in Titanocene Halide Promoted Reductions. Organometallics, 2005, 24, 1252-1262.	1.1	61
81	Palladium Catalyzed Carbonylative Heck Reaction Affording Monoprotected 1,3-Ketoaldehydes. Organic Letters, 2012, 14, 2536-2539.	2.4	61
82	Copper-Catalyzed Carboxylation of Hydroborated Disubstituted Alkenes and Terminal Alkynes with Cesium Fluoride. ACS Catalysis, 2017, 7, 1392-1396.	5.5	59
83	First synthesis of a C-glycoside anologue of a tumor-associated carbohydrate antigen employing samarium diiodide promoted C-glycosylation. Chemical Communications, 1998, , 955-956.	2.2	58
84	Direct synthesis of 1,1-diarylalkenes from alkenyl phosphates via nickel(0)-catalysed Suzukiâ€“Miyaura coupling. Chemical Communications, 2006, , 4137-4139.	2.2	57
85	An Efficient Method for the Preparation of Tertiary Esters by Palladium-Catalyzed Alkoxycarbonylation of Aryl Bromides. Organic Letters, 2012, 14, 284-287.	2.4	57
86	An Air-Tolerant Approach to the Carbonylative Suzukiâ€“Miyaura Coupling: Applications in Isotope Labeling. Journal of Organic Chemistry, 2013, 78, 10310-10318.	1.7	57
87	Palladium-Catalyzed Synthesis of Aromatic Carboxylic Acids with Silacarboxylic Acids. Organic Letters, 2013, 15, 1378-1381.	2.4	57
88	Pdâ€Catalyzed Cï£¿N Bond Formation with Heteroaromatic Tosylates. Chemistry - A European Journal, 2010, 16, 5437-5442.	1.7	56
89	Tin-containing silicates: identification of a glycolytic pathway via 3-deoxyglucosone. Green Chemistry, 2016, 18, 3360-3369.	4.6	56
90	Environmentally Benign Recovery and Reactivation of Palladium from Industrial Waste by Using Gramâ€Negative Bacteria. ChemSusChem, 2010, 3, 1036-1039.	3.6	54

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91	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.	7.2	54
92	Scalable carbon dioxide electroreduction coupled to carbonylation chemistry. Nature Communications, 2017, 8, 489.	5.8	54
93	Conformation of Glycomimetics in the Free and Protein-Bound State:Â Structural and Binding Features of theC-glycosyl Analogue of the Core Trisaccharide Îą-d-Man-(1 âˆ’ 3)-[Îą-d-Man-(1 âˆ’ 6)]-d-Man. Journal of the American Chemical Society, 2002, 124, 14940-14951.	6.6	53
94	Synthesis of the Benzophenone Fragment of Balanol via an Intramolecular Cyclization Event. Journal of Organic Chemistry, 2000, 65, 6052-6060.	1.7	52
95	Palladium-Catalyzed N-Acylation of Monosubstituted Ureas Using Near-Stoichiometric Carbon Monoxide. Journal of Organic Chemistry, 2012, 77, 3793-3799.	1.7	52
96	Microbially supported synthesis of catalytically active bimetallic Pdâ€Au nanoparticles. Biotechnology and Bioengineering, 2012, 109, 45-52.	1.7	52
97	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.	7.2	52
98	Size control and catalytic activity of bio-supported palladium nanoparticles. Colloids and Surfaces B: Biointerfaces, 2011, 85, 373-378.	2.5	51
99	Conformational Differences BetweenC- andO-Glycosides: TheÎą-C-Mannobiose/Îą-O-Mannobiose Case. Chemistry - A European Journal, 1999, 5, 442-448.	1.7	50
100	Application of Reductive Samariation to the Synthesis of Small Unnatural Peptides. Angewandte Chemie - International Edition, 2000, 39, 242-246.	7.2	50
101	Pdâ€Catalyzed Carbonylative Îąâ€Arylation of Aryl Bromides: Scope and Mechanistic Studies. Chemistry - A European Journal, 2013, 19, 17926-17938.	1.7	50
102	Application of the Anomeric Samarium Route for the Convergent Synthesis of theC-Linked Trisaccharide Îą-d-Man-(1âˆ’3)-[Îą-d-Man-(1âˆ’6)]-d-Man and the Disaccharides Îą-d-Man-(1âˆ’3)-d-Man and Îą-d-Man-(1âˆ’6)-d-Man. Journal of Organic Chemistry, 2002, 67, 6297-6308.	1.7	49
103	Mechanistic Evidence for Intermolecular Radical Carbonyl Additions Promoted by Samarium Diiodide. Journal of the American Chemical Society, 2006, 128, 9616-9617.	6.6	49
104	Studies on the 1,2-Migrations in Pd-Catalyzed Negishi Couplings with JosiPhos Ligands. Journal of Organic Chemistry, 2009, 74, 135-143.	1.7	49
105	Cooperative redox activation for carbon dioxide conversion. Nature Communications, 2016, 7, 13782.	5.8	49
106	SmI2Reduced Thioesters as Synthons of Unstable Acyl Radicals:Â Direct Synthesis of Potential Protease Inhibitors via Intermolecular Radical Addition. Journal of the American Chemical Society, 2003, 125, 4030-4031.	6.6	48
107	On the Mechanism of Electron-Capture-Induced Dissociation of Peptide Dications from15N-Labeling and Crown-Ether Complexation. Journal of Physical Chemistry A, 2007, 111, 9641-9643.	1.1	48
108	Controlled electropolymerisation of a carbazole-functionalised iron porphyrin electrocatalyst for CO₂ reduction. Chemical Communications, 2016, 52, 5864-5867.	2.2	48

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109	Are Amines the Holy Grail for Facilitating CO₂ Reduction?. Angewandte Chemie - International Edition, 2021, 60, 9174-9179.	7.2	48
110	Formal Total Synthesis of the Potent Renin Inhibitor Aliskiren:Â Application of a SmI2-Promoted Acyl-like Radical Coupling. Journal of Organic Chemistry, 2006, 71, 4766-4777.	1.7	47
111	Two-Chamber Hydrogen Generation and Application: Access to Pressurized Deuterium Gas. Journal of Organic Chemistry, 2014, 79, 5861-5868.	1.7	47
112	Recent developments in carbonylation chemistry using [¹³C]CO, [¹¹C]CO, and [¹⁴C]CO. Journal of Labelled Compounds and Radiopharmaceuticals, 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. Jacs Au, 2021, 1, 517-524.	3.6	45
114	An Automatic Solid-Phase Synthesis of Peptaibols. Journal of Organic Chemistry, 2009, 74, 1329-1332.	1.7	44
115	Construction of the Bicyclic Core Structure of the Enediyne Antibiotic Esperamicin-A1 in Either Enantiomeric Form from (-)-Quinic Acid. Journal of Organic Chemistry, 1995, 60, 2753-2761.	1.7	43
116	Pardaxin Permeabilizes Vesicles More Efficiently by Pore Formation than by Disruption. Biophysical Journal, 2010, 98, 576-585.	0.2	43
117	SmI2-Mediated Cyclizations of Derivatized Î²-Lactams for the Highly Diastereoselective Construction of Functionalized Prolines. Journal of Organic Chemistry, 2002, 67, 2411-2417.	1.7	42
118	Further Studies toward the Stereocontrolled Synthesis of Silicon-Containing Peptide Mimics. Journal of Organic Chemistry, 2010, 75, 3283-3293.	1.7	42
119	Access to 1,2â€Dihydroisoquinolines through Goldâ€Catalyzed Formal [4+2] Cycloaddition. Chemistry - A European Journal, 2014, 20, 7926-7930.	1.7	42
120	Access to Î²â€Ketonitriles through Nickelâ€Catalyzed Carbonylative Coupling of Î±â€Bromonitriles with Alkylzinc Reagents. Chemistry - A European Journal, 2019, 25, 9856-9860.	1.7	42
121	Formal total synthesis of the PKC inhibitor, balanol: preparation of the fully protected benzophenone fragment. Tetrahedron, 2002, 58, 2231-2238.	1.0	41
122	Stereocontrolled Synthesis of 2-Substituted-1,3-Azasilaheterocycles. Organic Letters, 2010, 12, 3528-3531.	2.4	41
123	Palladiumâ€Catalyzed Carbonylative Î±â€Arylation to Î²â€Ketonitriles. Chemistry - A European Journal, 2014, 20, 9534-9538.	1.7	41
124	Câ€“H activation dependent Pd-catalyzed carbonylative coupling of (hetero)aryl bromides and polyfluoroarenes. Chemical Communications, 2015, 51, 1870-1873.	2.2	40
125	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.	7.2	40
126	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.	2.1	39

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127	Direct Access to Aryl Bis(trifluoromethyl)carbinols from Aryl Bromides or Fluorosulfates: Palladiumâ€Catalyzed Carbonylation. Angewandte Chemie - International Edition, 2018, 57, 6858-6862.	7.2	38
128	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.	7.2	38
129	The stereospecific synthesis of methyl Î±-C-mannobioside: a potential inhibitor of M. tuberculosis binding to human macrophages. Chemical Communications, 1996, , 1661-1662.	2.2	37
130	Ligand Effects on the Diastereoselectivities of Samarium Diiodide Promoted Pinacol Coupling. European Journal of Organic Chemistry, 1999, 1999, 565-572.	1.2	37
131	Highly Diastereoselective Mannich-Type Reactions of Chiral N-Acylhydrazones. Journal of Organic Chemistry, 2004, 69, 4792-4796.	1.7	37
132	Creating carbonâ€“carbon bonds with samarium diiodide for the synthesis of modified amino acids and peptides. Organic and Biomolecular Chemistry, 2006, 4, 3553-3564.	1.5	37
133	Importance of Câ^'N Bond Rotation in N-Acyl Oxazolidinones in their SmI2-Promoted Coupling to Acrylamides. Journal of the American Chemical Society, 2009, 131, 10253-10262.	6.6	37
134	Asymmetric Mannich-Type Reactions for the Synthesis of Aspartic Acid Derivatives from ChiralN-tert-Butanesulfinylimino Esters. Journal of Organic Chemistry, 2003, 68, 7112-7114.	1.7	36
135	Stereoselective Synthesis of Î±-C-Glucosamines via Anomeric Organosamarium Reagents. Synlett, 1998, 1998, 1393-1395.	1.0	35
136	Residue-Specific Information about the Dynamics of Antimicrobial Peptides from ¹Hâ^'¹⁵N and ²H Solid-State NMR Spectroscopy. Journal of the American Chemical Society, 2009, 131, 18335-18342.	6.6	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. Chemical Science, 2017, 8, 8094-8105.	3.7	35
138	Incorporation of nickel single atoms into carbon paper as self-standing electrocatalyst for CO₂reduction. Journal of Materials Chemistry A, 2021, 9, 1583-1592.	5.2	35
139	Stereocontrolled synthesis of Î±-C-galactosamine derivatives promoted by samarium diiodide: an example of chelation controlled C-glycosylation. Chemical Communications, 1996, , 1883-1884.	2.2	34
140	Enamides Accessed from Aminothioesters via a Pd(0)-Catalyzed Decarbonylative/Î²-Hydride Elimination Sequence. Organic Letters, 2010, 12, 4716-4719.	2.4	34
141	Access to 2-(Het)aryl and 2-Styryl Benzoxazoles via Palladium-Catalyzed Aminocarbonylation of Aryl and Vinyl Bromides. Organic Letters, 2015, 17, 2094-2097.	2.4	34
142	Development of a Palladium-Catalyzed Carbonylative Coupling Strategy to 1,4-Diketones. ACS Catalysis, 2016, 6, 2982-2987.	5.5	34
143	Application of Methyl Bisphosphineâ€Ligated Palladium Complexes for Low Pressure Nâ€¹¹Câ€Acetylation of Peptides. Angewandte Chemie - International Edition, 2017, 56, 4549-4553.	7.2	34
144	Main element chemistry enables gas-cylinder-free hydroformylations. Nature Catalysis, 2020, 3, 843-850.	16.1	34

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