Michal Szostak

List of Publications by Year
in descending order

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235	14,606	13099	26613
papers	citations	68 h-index	107 g-index

247	247	247	6619
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	N-Heterocyclic Carbene Complexes in Câ€“H Activation Reactions. Chemical Reviews, 2020, 120, 1981-2048.	47.7	429
2	Cross-Coupling Reactions Using Samarium(II) Iodide. Chemical Reviews, 2014, 114, 5959-6039.	47.7	351
3	Well-Defined Palladium(II)â€“NHC Precatalysts for Cross-Coupling Reactions of Amides and Esters by Selective Nâ€“C/Oâ€“C Cleavage. Accounts of Chemical Research, 2018, 51, 2589-2599.	15.6	316
4	Synthesis of Biaryls through Nickelâ€Catalyzed Suzukiâ€“Miyaura Coupling of Amides by Carbonâ€“Nitrogen Bond Cleavage. Angewandte Chemie - International Edition, 2016, 55, 6959-6963.	13.8	279
5	Twisted Amides: From Obscurity to Broadly Useful Transitionâ€Metalâ€Catalyzed Reactions by Nâˆ’C Amide Bond Activation. Chemistry - A European Journal, 2017, 23, 7157-7173.	3.3	278
6	P-Doped Porous Carbon as Metal Free Catalysts for Selective Aerobic Oxidation with an Unexpected Mechanism. ACS Nano, 2016, 10, 2305-2315.	14.6	276
7	General Olefin Synthesis by the Palladiumâ€Catalyzed Heck Reaction of Amides: Sterically Controlled Chemoselective Nï£¿C Activation. Angewandte Chemie - International Edition, 2015, 54, 14518-14522.	13.8	271
8	Recent Developments in the Synthesis and Reactivity of Isoxazoles: Metal Catalysis and Beyond. Advanced Synthesis and Catalysis, 2015, 357, 2583-2614.	4.3	263
9	Recent Developments in Ruthenium-Catalyzed Câ€“H Arylation: Array of Mechanistic Manifolds. ACS Catalysis, 2017, 7, 5721-5745.	11.2	248
10	Sterically Controlled Pd-Catalyzed Chemoselective Ketone Synthesis via Nâ€“C Cleavage in Twisted Amides. Organic Letters, 2015, 17, 4364-4367.	4.6	240
11	Chemistry of Bridged Lactams and Related Heterocycles. Chemical Reviews, 2013, 113, 5701-5765.	47.7	223
12	Ironâ€Catalyzed Crossâ€Couplings in the Synthesis of Pharmaceuticals: In Pursuit of Sustainability. Angewandte Chemie - International Edition, 2018, 57, 11116-11128.	13.8	214
13	Cross-Coupling of Amides by Nâ€“C Bond Activation. Synlett, 2016, 27, 2530-2540.	1.8	207
14	Recent advances in the chemoselective reduction of functional groups mediated by samarium(ii) iodide: a single electron transfer approach. Chemical Society Reviews, 2013, 42, 9155.	38.1	188
15	Rhodium-Catalyzed Câ€“H Bond Functionalization with Amides by Double Câ€“H/Câ€“N Bond Activation. Organic Letters, 2016, 18, 796-799.	4.6	183
16	Highly Chemoselective, Transition-Metal-Free Transamidation of Unactivated Amides and Direct Amidation of Alkyl Esters by Nâ€“C/Oâ€“C Cleavage. Journal of the American Chemical Society, 2019, 141, 11161-11172.	13.7	172
17	Highly selective transition-metal-free transamidation of amides and amidation of esters at room temperature. Nature Communications, 2018, 9, 4165.	12.8	164
18	General Method for the Suzukiâ€“Miyaura Cross-Coupling of Amides Using Commercially Available, Air- and Moisture-Stable Palladium/NHC (NHC = N-Heterocyclic Carbene) Complexes. ACS Catalysis, 2017, 7, 1960-1965.	11.2	160

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19	Reversible Twisting of Primary Amides via Ground State Nâ€“C(O) Destabilization: Highly Twisted Rotationally Inverted Acyclic Amides. Journal of the American Chemical Society, 2018, 140, 727-734.	13.7	155
20	Amide Bond Activation: The Power of Resonance. Trends in Chemistry, 2020, 2, 914-928.	8.5	154
21	Pdâ€“PEPPSI: a general Pdâ€“NHC precatalyst for Buchwaldâ€“Hartwig cross-coupling of esters and amides (transamidation) under the same reaction conditions. Chemical Communications, 2017, 53, 10584-10587.	4.1	153
22	Metal-Free Transamidation of Secondary Amides via Selective Nâ€“C Cleavage under Mild Conditions. Organic Letters, 2017, 19, 1614-1617.	4.6	152
23	Decarbonylative Phosphorylation of Amides by Palladium and Nickel Catalysis: The Hirao Crossâ€Coupling of Amide Derivatives. Angewandte Chemie - International Edition, 2017, 56, 12718-12722.	13.8	152
24	Beyond Samarium Diiodide: Vistas in Reductive Chemistry Mediated by Lanthanides(II). Angewandte Chemie - International Edition, 2012, 51, 9238-9256.	13.8	151
25	Suzukiâ€“Miyaura cross-coupling of amides and esters at room temperature: correlation with barriers to rotation around Câ€“N and Câ€“O bonds. Chemical Science, 2017, 8, 6525-6530.	7.4	148
26	Graphene-Catalyzed Direct Friedelâ€“Crafts Alkylation Reactions: Mechanism, Selectivity, and Synthetic Utility. Journal of the American Chemical Society, 2015, 137, 14473-14480.	13.7	147
27	Recent Advances in Acyl Suzuki Cross-Coupling. Catalysts, 2019, 9, 53.	3.5	143
28	Palladium-Catalyzed Suzukiâ€“Miyaura Cross-Coupling of Amides via Site-Selective Nâ€“C Bond Cleavage by Cooperative Catalysis. ACS Catalysis, 2016, 6, 7335-7339.	11.2	139
29	A General Method for Two-Step Transamidation of Secondary Amides Using Commercially Available, Air- and Moisture-Stable Palladium/NHC (N-Heterocyclic Carbene) Complexes. Organic Letters, 2017, 19, 2158-2161.	4.6	138
30	Decarbonylative cross-coupling of amides. Organic and Biomolecular Chemistry, 2018, 16, 7998-8010.	2.8	138
31	Palladium-catalyzed Suzukiâ€“Miyaura coupling of amides by carbonâ€“nitrogen cleavage: general strategy for amide Nâ€“C bond activation. Organic and Biomolecular Chemistry, 2016, 14, 5690-5707.	2.8	136
32	Highly Chemoselective Reduction of Amides (Primary, Secondary, Tertiary) to Alcohols using SmI₂/Amine/H₂O under Mild Conditions. Journal of the American Chemical Society, 2014, 136, 2268-2271.	13.7	131
33	Ground-State Distortion in N-Acyl-tert-butyl-carbamates (Boc) and N-Acyl-tosylamides (Ts): Twisted Amides of Relevance to Amide Nâ€“C Cross-Coupling. Journal of Organic Chemistry, 2016, 81, 8091-8094.	3.2	121
34	Nâ€Acylâ€Glutarimides: Privileged Scaffolds in Amide Nâ€“C Bond Crossâ€Coupling. European Journal of Organic Chemistry, 2018, 2018, 2352-2365.	2.4	116
35	Efficient Synthesis of Diaryl Ketones by Nickelâ€Catalyzed Negishi Crossâ€Coupling of Amides by Carbonâ€“Nitrogen Bond Cleavage at Room Temperature Accelerated by a Solvent Effect. Chemistry - A European Journal, 2016, 22, 10420-10424.	3.3	113
36	Selective reductive transformations using samarium diiodide-water. Chemical Communications, 2012, 48, 330-346.	4.1	112

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37	Nickel-Catalyzed Diaryl Ketone Synthesis by Nâ€“C Cleavage: Direct Negishi Cross-Coupling of Primary Amides by Site-Selective N,N-Di-Boc Activation. Organic Letters, 2016, 18, 5872-5875.	4.6	112
38	Acyclic Twisted Amides. Chemical Reviews, 2021, 121, 12746-12783.	47.7	107
39	N-Acylsaccharins: Stable Electrophilic Amide-Based Acyl Transfer Reagents in Pd-Catalyzed Suzukiâ€“Miyaura Coupling via Nâ€“C Cleavage. Organic Letters, 2016, 18, 4194-4197.	4.6	103
40	Pd-PEPPSI: Pd-NHC Precatalyst for Suzukiâ€“Miyaura Cross-Coupling Reactions of Amides. Journal of Organic Chemistry, 2017, 82, 6638-6646.	3.2	102
41	Palladiumâ€Catalyzed Decarbonylative Borylation of Carboxylic Acids: Tuning Reaction Selectivity by Computation. Angewandte Chemie - International Edition, 2018, 57, 16721-16726.	13.8	98
42	Decarbonylative Cyanation of Amides by Palladium Catalysis. Organic Letters, 2017, 19, 3095-3098.	4.6	95
43	Ironâ€Catalyzed Câ”O Bond Activation: Opportunity for Sustainable Catalysis. ChemSusChem, 2017, 10, 3964-3981.	6.8	95
44	Decarbonylative thioetherification by nickel catalysis using air- and moisture-stable nickel precatalysts. Chemical Communications, 2018, 54, 2130-2133.	4.1	95
45	Structures of Highly Twisted Amides Relevant to Amide Nâ”C Crossâ€Coupling: Evidence for Groundâ€State Amide Destabilization. Chemistry - A European Journal, 2016, 22, 14494-14498.	3.3	94
46	Suzukiâ€“Miyaura Cross-Coupling of N-Acylpyrroles and Pyrazoles: Planar, Electronically Activated Amides in Catalytic Nâ€“C Cleavage. Organic Letters, 2017, 19, 3596-3599.	4.6	91
47	Acyl and Decarbonylative Suzuki Coupling of N-Acetyl Amides: Electronic Tuning of Twisted, Acyclic Amides in Catalytic Carbonâ€“Nitrogen Bond Cleavage. ACS Catalysis, 2018, 8, 9131-9139.	11.2	91
48	Ruthenium(II)-Catalyzed Regioselective Câ€“H Arylation of Cyclic and N,N-Dialkyl Benzamides with Boronic Acids by Weak Coordination. ACS Catalysis, 2016, 6, 4755-4759.	11.2	90
49	[Pd(NHC)(acac)Cl]: Well-Defined, Air-Stable, and Readily Available Precatalysts for Suzuki and Buchwaldâ€“Hartwig Cross-coupling (Transamidation) of Amides and Esters by Nâ€“C/Oâ€“C Activation. Organic Letters, 2019, 21, 3304-3309.	4.6	90
50	Recent Advances in Metalâ€Catalyzed Functionalization of Indoles. Advanced Synthesis and Catalysis, 2021, 363, 2723-2739.	4.3	89
51	N-Acylsaccharins as Amide-Based Arylating Reagents via Chemoselective Nâ€“C Cleavage: Pd-Catalyzed Decarbonylative Heck Reaction. Journal of Organic Chemistry, 2016, 81, 12023-12030.	3.2	87
52	Preparation of Samarium(II) Iodide: Quantitative Evaluation of the Effect of Water, Oxygen, and Peroxide Content, Preparative Methods, and the Activation of Samarium Metal. Journal of Organic Chemistry, 2012, 77, 3049-3059.	3.2	82
53	Resonance Destabilization in N-Acylanilines (Anilides): Electronically-Activated Planar Amides of Relevance in Nâ€“C(O) Cross-Coupling. Journal of Organic Chemistry, 2017, 82, 6373-6378.	3.2	82
54	Determination of the Effective Redox Potentials of SmI₂, SmBr₂, SmCl₂, and their Complexes with Water by Reduction of Aromatic Hydrocarbons. Reduction of Anthracene and Stilbene by Samarium(II) Iodideâ€“Water Complex. Journal of Organic Chemistry, 2014, 79, 2522-2537.	3.2	81

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55	An efficient computational model to predict protonation at the amide nitrogen and reactivity along the Câ€“N rotational pathway. Chemical Communications, 2015, 51, 6395-6398.	4.1	79
56	Ruthenium(II)-Catalyzed Direct Câ€“H Arylation of Indoles with Arylsilanes in Water. Organic Letters, 2018, 20, 341-344.	4.6	79
57	Mechanistic Study of Suzukiâ€“Miyaura Crossâ€Coupling Reactions of Amides Mediated by [Pd(NHC)(allyl)Cl] Precatalysts. ChemCatChem, 2018, 10, 3096-3106.	3.7	78
58	Transition-Metal-Free Esterification of Amides via Selective Nâ€“C Cleavage under Mild Conditions. Organic Letters, 2018, 20, 5622-5625.	4.6	78
59	Highly chemoselective ruthenium(<scp>ii</scp>)-catalyzed direct arylation of cyclic and N,N-dialkyl benzamides with aryl silanes. Chemical Science, 2017, 8, 3204-3210.	7.4	77
60	Site-Selective Câ€“H/Câ€“N Activation by Cooperative Catalysis: Primary Amides as Arylating Reagents in Directed Câ€“H Arylation. ACS Catalysis, 2017, 7, 7251-7256.	11.2	77
61	Electron transfer reduction of unactivated esters using SmI2â€“H2O. Chemical Communications, 2011, 47, 10254.	4.1	76
62	Medium-bridged lactams: a new class of non-planar amides. Organic and Biomolecular Chemistry, 2011, 9, 27-35.	2.8	76
63	Transitionâ€Metalâ€Free Activation of Amides by Nâˆ’C Bond Cleavage. Chemical Record, 2020, 20, 649-659.	5.8	75
64	Palladium-Catalyzed Suzukiâ€“Miyaura Cross-Coupling of N-Mesylamides by Nâ€“C Cleavage: Electronic Effect of the Mesyl Group. Organic Letters, 2017, 19, 1434-1437.	4.6	74
65	Chemoselective Ketone Synthesis by the Addition of Organometallics to N-Acylazetidines. Organic Letters, 2016, 18, 2375-2378.	4.6	73
66	Palladiumâ€Catalyzed Decarbonylative Borylation of Carboxylic Acids: Tuning Reaction Selectivity by Computation. Angewandte Chemie, 2018, 130, 16963-16968.	2.0	71
67	Synthesis of Biaryls via Decarbonylative Palladium-Catalyzed Suzuki-Miyaura Cross-Coupling of Carboxylic Acids. IScience, 2019, 19, 749-759.	4.1	71
68	A simple 1H NMR method for determining the Ïƒ-donor properties of N-heterocyclic carbenes. Tetrahedron Letters, 2019, 60, 378-381.	1.4	70
69	Synthesis of Biaryls through Nickelâ€Catalyzed Suzukiâ€“Miyaura Coupling of Amides by Carbonâ€“Nitrogen Bond Cleavage. Angewandte Chemie, 2016, 128, 7073-7077.	2.0	68
70	Structural Characterization of Nâ€Alkylated Twisted Amides: Consequences for Amide Bond Resonance and Nâˆ’C Cleavage. Angewandte Chemie - International Edition, 2016, 55, 5062-5066.	13.8	67
71	Palladium-catalyzed decarbonylative Suzukiâ€“Miyaura cross-coupling of amides by carbonâ€“nitrogen bond activation. Chemical Science, 2019, 10, 9865-9871.	7.4	67
72	Ketyl-Type Radicals from Cyclic and Acyclic Esters are Stabilized by SmI₂(H₂O)_n: The Role of SmI₂(H₂O)_n in Post-Electron Transfer Steps. Journal of the American Chemical Society, 2014, 136, 8459-8466.	13.7	66

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73	Metal-Free Transamidation of Secondary Amides by Nâ€“C Cleavage. Journal of Organic Chemistry, 2019, 84, 12091-12100.	3.2	66
74	Concise Syntheses of Strychnine and Englerinâ€…A: the Power of Reductive Cyclizations Triggered by Samarium Iodide. Angewandte Chemie - International Edition, 2011, 50, 7737-7739.	13.8	65
75	N-Acyl-glutarimides: Resonance and Proton Affinities of Rotationally-Inverted Twisted Amides Relevant to Nâ€“C(O) Cross-Coupling. Organic Letters, 2018, 20, 1342-1345.	4.6	65
76	Pd-PEPPSI: A General Pd-NHC Precatalyst for Suzukiâ€“Miyaura Cross-Coupling of Esters by Câ€“O Cleavage. Organometallics, 2017, 36, 3784-3789.	2.3	64
77	Bimetallic Cooperative Catalysis for Decarbonylative Heteroarylation of Carboxylic Acids via Câ€O/Câ€H Coupling. Angewandte Chemie - International Edition, 2021, 60, 10690-10699.	13.8	64
78	Selective Reduction of Barbituric Acids Using SmI₂/H₂O: Synthesis, Reactivity, and Structural Analysis of Tetrahedral Adducts. Angewandte Chemie - International Edition, 2013, 52, 12559-12563.	13.8	62
79	Synthesis of C6-Substituted Isoquinolino[1,2-b]quinazolines via Rh(III)-Catalyzed Câ€“H Annulation with Sulfoxonium Ylides. Journal of Organic Chemistry, 2020, 85, 3192-3201.	3.2	62
80	Electron Transfer Reduction of Carboxylic Acids Using SmI₂â€“H₂Oâ€“Et₃N. Organic Letters, 2012, 14, 840-843.	4.6	60
81	General Method for the Suzukiâ€“Miyaura Cross-Coupling of Primary Amide-Derived Electrophiles Enabled by [Pd(NHC)(cin)Cl] at Room Temperature. Organic Letters, 2017, 19, 6510-6513.	4.6	60
82	Determination of Structures and Energetics of Small- and Medium-Sized One-Carbon-Bridged Twisted Amides using ab Initio Molecular Orbital Methods: Implications for Amidic Resonance along the Câ€“N Rotational Pathway. Journal of Organic Chemistry, 2015, 80, 7905-7927.	3.2	59
83	Sterically-controlled intermolecular Friedelâ€“Crafts acylation with twisted amides via selective Nâ€“C cleavage under mild conditions. Chemical Communications, 2016, 52, 6841-6844.	4.1	59
84	N-Methylamino Pyrimidyl Amides (MAPA): Highly Reactive, Electronically-Activated Amides in Catalytic Nâ€“C(O) Cleavage. Organic Letters, 2017, 19, 4656-4659.	4.6	59
85	Electron Transfer Reduction of Nitriles Using SmI₂â€“Et₃Nâ€“H₂O: Synthetic Utility and Mechanism. Organic Letters, 2014, 16, 1092-1095.	4.6	58
86	Non-Classical Amide Bond Formation: Transamidation and Amidation of Activated Amides and Esters by Selective Nâ€“C/Oâ€“C Cleavage. Synthesis, 2020, 52, 2579-2599.	2.3	58
87	Transamidation of N-acyl-glutarimides with amines. Organic and Biomolecular Chemistry, 2018, 16, 1322-1329.	2.8	57
88	Buchwaldâ€“Hartwig cross-coupling of amides (transamidation) by selective Nâ€“C(O) cleavage mediated by air- and moisture-stable [Pd(NHC)(allyl)Cl] precatalysts: catalyst evaluation and mechanism. Catalysis Science and Technology, 2020, 10, 710-716.	4.1	57
89	BIANâ€NHC Ligands in Transitionâ€Metalâ€Catalysis: A Perfect Union of Sterically Encumbered, Electronically Tunable Nâ€Heterocyclic Carbenes?. Chemistry - A European Journal, 2021, 27, 4478-4499.	3.3	57
90	[Pd(NHC)(Î¼-Cl)Cl]2: Versatile and Highly Reactive Complexes for Cross-Coupling Reactions that Avoid Formation of Inactive Pd(I) Off-Cycle Products. IScience, 2020, 23, 101377.	4.1	56

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91	Aminoketyl Radicals in Organic Synthesis: Stereoselective Cyclization of Five- and Six-Membered Cyclic Imides to 2-Azabicycles Using SmI₂â€“H₂O. Organic Letters, 2015, 17, 5144-5147.	4.6	54
92	Eisenkatalysierte Kreuzkupplungen in der Synthese von Pharmazeutika: Streben nach Nachhaltigkeit. Angewandte Chemie, 2018, 130, 11284-11297.	2.0	54
93	Palladium/NHC (NHC = N-Heterocyclic Carbene)-Catalyzed B-Alkyl Suzuki Cross-Coupling of Amides by Selective Nâ€“C Bond Cleavage. Organic Letters, 2018, 20, 6789-6793.	4.6	53
94	Selective Synthesis of Î±,Î±-Dideuterio Alcohols by the Reduction of Carboxylic Acids Using SmI₂ and D₂O as Deuterium Source under SET Conditions. Organic Letters, 2014, 16, 5052-5055.	4.6	52
95	Ruthenium(0)-Catalyzed Câ€“H Arylation of Aromatic Imines under Neutral Conditions: Access to Biaryl Aldehydes. Organic Letters, 2016, 18, 4186-4189.	4.6	52
96	Recent advances in the synthesis and reactivity of azetidines: strain-driven character of the four-membered heterocycle. Organic and Biomolecular Chemistry, 2021, 19, 3274-3286.	2.8	52
97	IPr# â€“ highly hindered, broadly applicable N-heterocyclic carbenes. Chemical Science, 2021, 12, 10583-10589.	7.4	51
98	Structural Characterization of N-Protonated Amides: Regioselective N-Activation of Medium-Bridged Twisted Lactams. Journal of the American Chemical Society, 2010, 132, 8836-8837.	13.7	46
99	Cyclic ureas (DMI, DMPU) as efficient, sustainable ligands in iron-catalyzed C(sp2)â€“C(sp3) coupling of aryl chlorides and tosylates. Green Chemistry, 2017, 19, 5361-5366.	9.0	46
100	Pdâ€PEPPSI: Waterâ€Assisted Suzukiâ^'Miyaura Crossâ€Coupling of Aryl Esters at Room Temperature using a Practical Palladiumâ€NHC (NHC=Nâ€Heterocyclic Carbene) Precatalyst. Advanced Synthesis and Catalysis, 2018, 360, 1538-1543.	4.3	46
101	Recent Advances in the Synthesis and Reactivity of Isothiazoles. Advanced Synthesis and Catalysis, 2019, 361, 3050-3067.	4.3	46
102	Palladium-catalyzed cross-couplings by Câ€“O bond activation. Catalysis Science and Technology, 2020, 10, 5702-5739.	4.1	46
103	Transition-metal-catalyzed decarbonylation of carboxylic acids to olefins: exploiting acyl Câ€“O activation for the production of high value products. Organic Chemistry Frontiers, 2018, 5, 2515-2521.	4.5	45
104	Rh(III)-Catalyzed Câ€“H Amidation of 2-Arylindoles with Dioxazolones: A Route to Indolo[1,2-c]quinazolines. Organic Letters, 2019, 21, 7038-7043.	4.6	45
105	Highly-chemoselective step-down reduction of carboxylic acids to aromatic hydrocarbons via palladium catalysis. Chemical Science, 2019, 10, 5736-5742.	7.4	45
106	2â€Methyltetrahydrofuran: A Green Solvent for Ironâ€Catalyzed Crossâ€Coupling Reactions. ChemSusChem, 2018, 11, 1290-1294.	6.8	44
107	N-Acylsuccinimides: twist-controlled, acyl-transfer reagents in Suzukiâ€“Miyaura cross-coupling by Nâ€“C amide bond activation. Organic and Biomolecular Chemistry, 2017, 15, 8867-8871.	2.8	43
108	The mitochondrial 2-oxoadipate and 2-oxoglutarate dehydrogenase complexes share their E2 and E3 components for their function and both generate reactive oxygen species. Free Radical Biology and Medicine, 2018, 115, 136-145.	2.9	43

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109	Chemistry of Bridged Lactams: Recent Developments. Molecules, 2019, 24, 274.	3.8	43
110	Proximity Effects in Nucleophilic Addition Reactions to Medium-Bridged Twisted Lactams: Remarkably Stable Tetrahedral Intermediates. Journal of the American Chemical Society, 2010, 132, 2078-2084.	13.7	42
111	Substrate-Directable Electron Transfer Reactions. Dramatic Rate Enhancement in the Chemoselective Reduction of Cyclic Esters Using SmI₂â€“H₂O: Mechanism, Scope, and Synthetic Utility. Journal of the American Chemical Society, 2013, 135, 15702-15705.	13.7	42
112	Decarbonylative Phosphorylation of Carboxylic Acids via Redox-Neutral Palladium Catalysis. Organic Letters, 2019, 21, 9256-9261.	4.6	42
113	A general electron transfer reduction of lactones using SmI2â€“H2O. Organic and Biomolecular Chemistry, 2012, 10, 5820.	2.8	41
114	The Most Twisted Acyclic Amides: Structures and Reactivity. Organic Letters, 2018, 20, 7771-7774.	4.6	41
115	Stability of Medium-Bridged Twisted Amides in Aqueous Solutions. Journal of Organic Chemistry, 2009, 74, 1869-1875.	3.2	40
116	Mechanism of SmI₂/Amine/H₂O-Promoted Chemoselective Reductions of Carboxylic Acid Derivatives (Esters, Acids, and Amides) to Alcohols. Journal of Organic Chemistry, 2014, 79, 11988-12003.	3.2	40
117	Decarbonylative Phosphorylation of Amides by Palladium and Nickel Catalysis: The Hirao Crossâ€Coupling of Amide Derivatives. Angewandte Chemie, 2017, 129, 12892-12896.	2.0	37
118	2â€MeTHF): A Green Solvent for Pdâ^'NHCâ€Catalyzed Amide and Ester Suzukiâ€Miyaura Crossâ€Coupling by Nâ^'C/Oâ^'C Cleavage. Advanced Synthesis and Catalysis, 2019, 361, 5654-5660.	4.3	37
119	Redoxâ€Neutral Decarbonylative Crossâ€Couplings Coming of Age. ChemSusChem, 2019, 12, 2983-2987.	6.8	37
120	Coreyâ^'Chaykovsky Epoxidation of Twisted Amides: Synthesis and Reactivity of Bridged Spiro-epoxyamines. Journal of the American Chemical Society, 2009, 131, 13246-13247.	13.7	35
121	Ruthenium(0)-catalyzed hydroarylation of alkynes via ketone-directed Câ€“H functionalization using in situ-generated ruthenium complexes. Chemical Communications, 2016, 52, 9715-9718.	4.1	35
122	Nickel-Catalyzed Negishi Cross-Coupling of N-Acylsuccinimides: Stable, Amide-Based, Twist-Controlled Acyl-Transfer Reagents via Nâ€“C Activation. Synthesis, 2017, 49, 3602-3608.	2.3	35
123	[(NHC)PdCl₂(Aniline)] Complexes: Easily Synthesized, Highly Active Pd(II)â€“NHC Precatalysts for Cross-Coupling Reactions. Journal of Organic Chemistry, 2021, 86, 15648-15657.	3.2	35
124	Synthesis and rearrangement of a bridged thioamide. Chemical Communications, 2009, , 7122.	4.1	34
125	Synthesis of Amides by Mild Palladium-Catalyzed Aminocarbonylation of Arylsilanes with Amines Enabled by Copper(II) Fluoride. Journal of Organic Chemistry, 2019, 84, 338-345.	3.2	34
126	Suzukiâ€“Miyaura cross-coupling of esters by selective Oâ€“C(O) cleavage mediated by air- and moisture-stable [Pd(NHC)(Î¼-Cl)Cl]₂precatalysts: catalyst evaluation and mechanism. Catalysis Science and Technology, 2021, 11, 3189-3197.	4.1	34

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127	Uncovering the Importance of Proton Donors in TmI₂â€Promoted Electron Transfer: Facile Cï£¿N Bond Cleavage in Unactivated Amides. Angewandte Chemie - International Edition, 2013, 52, 7237-7241.	13.8	33
128	Highly Chemoselective Synthesis of Indolizidine Lactams by SmI₂â€Induced Umpolung of the Amide Bond via Aminoketyl Radicals: Efficient Entry to Alkaloid Scaffolds. Chemistry - A European Journal, 2016, 22, 11949-11953.	3.3	33
129	Mechanistic Study of SmI₂/H₂O and SmI₂/Amine/H₂O-Promoted Chemoselective Reduction of Aromatic Amides (Primary, Secondary, Tertiary) to Alcohols via Aminoketyl Radicals. Journal of Organic Chemistry, 2017, 82, 6528-6540.	3.2	33
130	Ruthenium(II)-Catalyzed Ortho-Câ€“H Alkylation of Naphthylamines with Diazo Compounds for Synthesis of 2,2-Disubstituted Ï€-Extended 3-Oxindoles in Water. Organic Letters, 2020, 22, 5187-5192.	4.6	33
131	Cobaltâ€“N-Heterocyclic Carbene Complexes in Catalysis. ACS Catalysis, 2022, 12, 3111-3137.	11.2	33
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