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	Buchwaldâ€Hartwig Amination of Coordinating Heterocycles Enabled by Largeâ€butâ€Flexible Pdâ€BIANâ€NHC Catalysts**. Chemistry - A European Journal, 2022, 28, .	3.3	16
2	Synthesis of Natural Products by Câ^'H Functionalization of Heterocycless. Chemistry - A European Journal, 2022, 28, .	3.3	24
3	Palladium-NHC (NHC = N-heterocyclic Carbene)-Catalyzed Suzukiâ€“Miyaura Cross-Coupling of Alkyl Amides. ACS Catalysis, 2022, 12, 2426-2433.	11.2	23
4	Chemoselective Transamidation of Thioamides by Transitionâ€Metalâ€Free Nâ^'C(S) Transacylation. Angewandte Chemie - International Edition, 2022, 61, .	13.8	19
5	Transamidation of thioamides with nucleophilic amines: thioamide Nâ€“C(S) activation by ground-state-destabilization. Organic and Biomolecular Chemistry, 2022, 20, 5981-5988.	2.8	12
6	Decarbonylative Pd-Catalyzed Suzuki Cross-Coupling for the Synthesis of Structurally Diverse Heterobiaryls. Organic Letters, 2022, 24, 1678-1683.	4.6	10
7	Cobaltâ€“N-Heterocyclic Carbene Complexes in Catalysis. ACS Catalysis, 2022, 12, 3111-3137.	11.2	33
8	Highly Chemoselective Transamidation of Unactivated Tertiary Amides by Electrophilic Nâ^'C(O) Activation by Amideâ€toâ€Acyl Iodide Reâ€routing. Angewandte Chemie - International Edition, 2022, 61, .	13.8	28
9	Mechanochemical Synthesis of Ketones via Chemoselective Suzukiâ€“Miyaura Cross-Coupling of Acyl Chlorides. Organic Letters, 2022, 24, 2338-2343.	4.6	11
10	N-Heterocyclic Carbene Complexes of Nickel(II) from Caffeine and Theophylline: Sustainable Alternative to Imidazol-2-ylidenes. Organometallics, 2022, 41, 1806-1815.	2.3	12
11	Mechanochemical Solventâ€Free Suzukiâ€“Miyaura Crossâ€Coupling of Amides via Highly Chemoselective Nâ^'C Cleavage. Angewandte Chemie - International Edition, 2022, 61, .	13.8	31
12	Mechanochemical Solventâ€Free Suzukiâ€“Miyaura Crossâ€Coupling of Amides via Highly Chemoselective Nâ^'C Cleavage. Angewandte Chemie, 2022, 134, .	2.0	7
13	Application of Indazolin-3-ylidenes in Catalysis: Steric Tuning of Nonclassical Formally Normal N-Heterocyclic Carbenes with Dual Electronic Character for Catalysis. Organometallics, 2022, 41, 1115-1124.	2.3	11
14	Frontispiece: Synthesis of Natural Products by Câ^'H Functionalization of Heterocycless. Chemistry - A European Journal, 2022, 28, .	3.3	0
15	Thiazol-2-ylidenes as N-Heterocyclic carbene ligands with enhanced electrophilicity for transition metal catalysis. Communications Chemistry, 2022, 5, .	4.5	17
16	An air-stable, well-defined palladiumâ€“BIANâ€“NHC chloro dimer: a fast-activating, highly efficient catalyst for cross-coupling. Chemical Communications, 2022, 58, 7404-7407.	4.1	4
17	Structures of the Most Twisted Thioamide and Selenoamide: Effect of Higher Chalcogens of Twisted Amides on Nâ^'C(X) Resonance. Angewandte Chemie - International Edition, 2022, 61, .	13.8	3
18	Cobaltâ^'NHC Catalyzed C(sp²)â^'C(sp³) and C(sp²)â^'C(sp²) Kumada Crossâ€Coupling of Aryl Tosylates with Alkyl and Aryl Grignard Reagents. ChemCatChem, 2021, 13, 202-206.	3.7	9

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19	Reductive Deuteration of Aromatic Esters for the Synthesis of Î±,Î±-Dideuterio Benzyl Alcohols Using D2O as Deuterium Source. Synlett, 2021, 32, 51-56.	1.8	19
20	Protocol for Palladium/N-Heterocyclic Carbene-Catalyzed Suzukiâ€“Miyaura Cross-Coupling of Amides by Nâ€“C(O) Activation. Synthesis, 2021, 53, 682-687.	2.3	5
21	Metal-free tandem carbene Nâ€“H insertions and Câ€“C bond cleavages. Chemical Science, 2021, 12, 803-811.	7.4	21
22	Green Solvent Selection for Suzukiâ€“Miyaura Coupling of Amides. ACS Sustainable Chemistry and Engineering, 2021, 9, 552-559.	6.7	31
23	Acyl fluorides as direct precursors to fluoride ketyl radicals: reductive deuteration using SmI₂ and D₂O. Chemical Communications, 2021, 57, 5195-5198.	4.1	11
24	IPr# â€“ highly hindered, broadly applicable N-heterocyclic carbenes. Chemical Science, 2021, 12, 10583-10589.	7.4	51
25	General and practical intramolecular decarbonylative coupling of thioesters via palladium catalysis. Organic Chemistry Frontiers, 2021, 8, 1587-1592.	4.5	16
26	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
27	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
28	N-Butylpyrrolidone (NBP) as a non-toxic substitute for NMP in iron-catalyzed C(sp²)â€“C(sp³) cross-coupling of aryl chlorides. Green Chemistry, 2021, 23, 7515-7521.	9.0	8
29	Conversion of esters to thioesters under mild conditions. Organic and Biomolecular Chemistry, 2021, 19, 2991-2996.	2.8	13
30	Transamidation of Amides and Amidation of Esters by Selective Nâ€“C(O)/Oâ€“C(O) Cleavage Mediated by Air- and Moisture-Stable Half-Sandwich Nickel(II)â€“NHC Complexes. Molecules, 2021, 26, 188.	3.8	18
31	CuII-Catalyzed Coupling with Two Ynone Units by Selective Triple and Sigma Câ€“C and Câ€“H Bond Cleavages. Organic Letters, 2021, 23, 1928-1933.	4.6	12
32	Frontispiece: BIANâ€NHC Ligands in Transitionâ€Metalâ€Catalysis: A Perfect Union of Sterically Encumbered, Electronically Tunable Nâ€Heterocyclic Carbenes?. Chemistry - A European Journal, 2021, 27, .	3.3	0
33	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
34	Recent Advances in Metalâ€Catalyzed Functionalization of Indoles. Advanced Synthesis and Catalysis, 2021, 363, 2723-2739.	4.3	89
35	Bimetallic Cooperative Catalysis for Decarbonylative Heteroarylation of Carboxylic Acids via Câ€O/Câ€H Coupling. Angewandte Chemie, 2021, 133, 10785-10794.	2.0	7
36	Synthesis of Sulfoxonium Ylides from Amides by Selective Nâ€“C(O) Activation. Organic Letters, 2021, 23, 4818-4822.	4.6	17

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37	Decarbonylative Sonogashira Cross-Coupling of Carboxylic Acids. Organic Letters, 2021, 23, 4726-4730.	4.6	15
38	Rh(I)-Catalyzed Intramolecular Decarbonylation of Thioesters. Journal of Organic Chemistry, 2021, 86, 10829-10837.	3.2	17
39	Evaluation of Cyclic Amides as Activating Groups in Nâ€“C Bond Cross-Coupling: Discovery of N-Acyl-Î´-valerolactams as Effective Twisted Amide Precursors for Cross-Coupling Reactions. Journal of Organic Chemistry, 2021, 86, 10455-10466.	3.2	12
40	Acyclic Twisted Amides. Chemical Reviews, 2021, 121, 12746-12783.	47.7	107
41	Forging Câ€“S Bonds Through Decarbonylation: New Perspectives for the Synthesis of Privileged Aryl Sulfides. ChemCatChem, 2021, 13, 4878-4881.	3.7	12
42	Synthesis of Î±-Deuterated Primary Amines via Reductive Deuteration of Oximes Using D₂O as a Deuterium Source. Journal of Organic Chemistry, 2021, 86, 2907-2916.	3.2	15
43	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
44	Decarbonylative sulfide synthesis from carboxylic acids and thioesters via cross-over Câ€“S activation and acyl capture. Organic Chemistry Frontiers, 2021, 8, 4805-4813.	4.5	17
45	Pd-Catalyzed Double-Decarbonylative Aryl Sulfide Synthesis through Aryl Exchange between Amides and Thioesters. Organic Letters, 2021, 23, 8098-8103.	4.6	27
46	Green-Solvent Selection for Acyl Buchwaldâ€“Hartwig Cross-Coupling of Amides (Transamidation). ACS Sustainable Chemistry and Engineering, 2021, 9, 14937-14945.	6.7	21
47	Recent Advances in the Synthesis of Piperazines: Focus on Câ€“H Functionalization. Organics, 2021, 2, 337-347.	1.3	11
48	[(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
49	Palladium-Catalyzed Decarbonylative Borylation of Aryl Anhydrides. Journal of Organic Chemistry, 2021, 86, 17445-17452.	3.2	7
50	Decarbonylative Sonogashira cross-coupling: a fruitful marriage of alkynes with carboxylic acid electrophiles. Organic Chemistry Frontiers, 2021, 9, 216-222.	4.5	9
51	Engineering 2â€•oxoglutarate dehydrogenase to a 2â€•oxo aliphatic dehydrogenase complex by optimizing consecutive components. AICHE Journal, 2020, 66, e16769.	3.6	4
52	Kinetically Controlled, Highly Chemoselective Acylation of Functionalized Grignard Reagents with Amides by Nâ€“C Cleavage. Chemistry - A European Journal, 2020, 26, 611-615.	3.3	30
53	Pentafluorophenyl Esters: Highly Chemoselective Ketyl Precursors for the Synthesis of Î±,Î±-Dideuterio Alcohols Using SmI₂ and D₂O as a Deuterium Source. Organic Letters, 2020, 22, 1249-1253.	4.6	20
54	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

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55	Transitionâ€Metalâ€Free Activation of Amides by Nâ^'C Bond Cleavage. Chemical Record, 2020, 20, 649-659.	5.8	75
56	Ring-Opening Olefin Metathesis of Twisted Amides: Activation of Amide Bonds by Câ•C Cleavage. ACS Catalysis, 2020, 10, 737-742.	11.2	9
57	Electrophilicity Scale of Activated Amides: 17 Oâ€...NMR and 15 Nâ€...NMR Chemical Shifts of Acyclic Twisted Amides in Nâ^'C(O) Crossâ€Coupling. Chemistry - A European Journal, 2020, 26, 16246-16250.	3.3	13
58	Preference of cis-Thioamide Structure in N-Thioacyl-N-methylanilines. Organic Letters, 2020, 22, 9500-9505.	4.6	12
59	Decarbonylative Suzukiâ€“Miyaura Cross-Coupling of Aroyl Chlorides. Organic Letters, 2020, 22, 6434-6440.	4.6	27
60	Palladium-catalyzed cross-couplings by Câ€“O bond activation. Catalysis Science and Technology, 2020, 10, 5702-5739.	4.1	46
61	[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
62	Rh-Catalyzed Base-Free Decarbonylative Borylation of Twisted Amides. Journal of Organic Chemistry, 2020, 85, 15676-15685.	3.2	14
63	Ruthenium(II)-Catalyzed Câ€“H Arylation of N,N-Dialkyl Thiobenzamides with Boronic Acids by Sulfur Coordination in 2-MeTHF. Organic Letters, 2020, 22, 6884-6890.	4.6	22
64	Introduction to a New MDPI Open Access Journal: Organics. Organics, 2020, 1, 1-2.	1.3	0
65	N-Acylcarbazoles and N-Acylindoles: Electronically Activated Amides for Nâ€“C(O) Cross-Coupling by Nlp to Ar Conjugation Switch. Organic Letters, 2020, 22, 4703-4709.	4.6	23
66	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
67	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
68	N-Acyl-glutarimides: Effect of Glutarimide Ring on the Structures of Fully Perpendicular Twisted Amides and Nâ€“C Bond Cross-Coupling. Journal of Organic Chemistry, 2020, 85, 5475-5485.	3.2	21
69	Suzukiâ€“Miyaura Cross-Coupling of Amides Using Well-Defined, Air- and Moisture-Stable Nickel/NHC (NHC = N-Heterocyclic Carbene) Complexes. Catalysts, 2020, 10, 372.	3.5	13
70	Suzukiâ€Miyaura Crossâ€Coupling of Amides using Wellâ€Defined, Airâ€Stable [(PR₃)₂Pd(II)X₂] Precatalysts. Advanced Synthesis and Catalysis, 2020, 362, 1887-1892.	4.3	14
71	Editorial for â€œOrganometallic Chemistryâ€•Section, in Journal Molecules. Molecules, 2020, 25, 3038.	3.8	0
72	Highly Selective and Divergent Acyl and Aryl Cross-Couplings of Amides via Ir-Catalyzed Câ€“H Borylation/Nâ€“C(O) Activation. Organic Letters, 2020, 22, 6010-6015.	4.6	23

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73	Thioesterification and Selenoesterification of Amides via Selective Nâ€“C Cleavage at Room Temperature: Nâ€“C(O) to S/Seâ€“C(O) Interconversion. Synthesis, 2020, 52, 1060-1066.	2.3	19
74	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
75	N-Heterocyclic Carbene Complexes in Câ€“H Activation Reactions. Chemical Reviews, 2020, 120, 1981-2048.	47.7	429
76	Iron-Catalyzed C(sp2)â€“C(sp3) Cross-Coupling of Aryl Chlorobenzoates with Alkyl Grignard Reagents. Molecules, 2020, 25, 230.	3.8	11
77	N-Acyl-5,5-Dimethylhydantoins: Mild Acyl-Transfer Reagents for the Synthesis of Ketones Using Pdâ€“PEPPSI or Pd/Phosphine Catalysts. Organic Process Research and Development, 2020, 24, 1043-1051.	2.7	7
78	Synthesis of biaryl ketones by arylation of Weinreb amides with functionalized Grignard reagents under thermodynamic control vs. kinetic control of N,N-Boc2-amides. Organic and Biomolecular Chemistry, 2020, 18, 3827-3831.	2.8	12
79	Amide Bond Activation: The Power of Resonance. Trends in Chemistry, 2020, 2, 914-928.	8.5	154
80	Metal-Free Transamidation of Secondary Amides by Nâ€“C Cleavage. Journal of Organic Chemistry, 2019, 84, 12091-12100.	3.2	66
81	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
82	Ligand Effect on Ironâ€Catalyzed Crossâ€Coupling Reactions: Evaluation of Amides as Oâ€Coordinating Ligands. ChemCatChem, 2019, 11, 5733-5737.	3.7	9
83	Ruthenium(0)-Catalyzed Cross-Coupling of Anilines with Organoboranes by Selective Carbonâ€“Nitrogen Cleavage. ACS Catalysis, 2019, 9, 8171-8177.	11.2	27
84	Ruthenium(0)-sequential catalysis for the synthesis of sterically hindered amines by Câ€“H arylation/hydrosilylation. Chemical Communications, 2019, 55, 9003-9006.	4.1	15
85	2â€MethyltetrahydrofuranÂ (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
86	Decarbonylative Phosphorylation of Carboxylic Acids via Redox-Neutral Palladium Catalysis. Organic Letters, 2019, 21, 9256-9261.	4.6	42
87	Palladiumâ€Catalyzed Synthesis of Benzothiophenes via Crossâ€Dehydrogenative Coupling of 4â€Arylthiocoumarins and Pyrones. Advanced Synthesis and Catalysis, 2019, 361, 5709-5714.	4.3	28
88	Recent Advances in Acyl Suzuki Cross-Coupling. Catalysts, 2019, 9, 53.	3.5	143
89	Palladium-catalyzed decarbonylative Suzukiâ€“Miyaura cross-coupling of amides by carbonâ€“nitrogen bond activation. Chemical Science, 2019, 10, 9865-9871.	7.4	67
90	Synthesis of Biaryls via Decarbonylative Palladium-Catalyzed Suzuki-Miyaura Cross-Coupling of Carboxylic Acids. IScience, 2019, 19, 749-759.	4.1	71

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91	Sterically Hindered Ketones via Palladium-Catalyzed Suzukiâ€“Miyaura Cross-Coupling of Amides by Nâ€“C(O) Activation. Organic Letters, 2019, 21, 7976-7981.	4.6	27
92	N-Acylphthalimides: Efficient Acyl Coupling Reagents in Suzukiâ€“Miyaura Cross-Coupling by Nâ€“C Cleavage Catalyzed by Pdâ€“PEPPSI Precatalysts. Catalysts, 2019, 9, 129.	3.5	26
93	Iron-catalyzed C(sp²)â€“C(sp³) cross-coupling at low catalyst loading. Catalysis Science and Technology, 2019, 9, 1092-1097.	4.1	12
94	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
95	Highly-chemoselective step-down reduction of carboxylic acids to aromatic hydrocarbons via palladium catalysis. Chemical Science, 2019, 10, 5736-5742.	7.4	45
96	[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
97	Redoxâ€Neutral Decarbonylative Crossâ€Couplings Coming of Age. ChemSusChem, 2019, 12, 2983-2987.	6.8	37
98	Recent Advances in the Synthesis and Reactivity of Isothiazoles. Advanced Synthesis and Catalysis, 2019, 361, 3050-3067.	4.3	46
99	Decarbonylative Borylation of Amides by Palladium Catalysis. ACS Omega, 2019, 4, 4901-4907.	3.5	30
100	¹⁷O NMR and¹⁵N NMR chemical shifts of sterically-hindered amides: ground-state destabilization in amide electrophilicity. Chemical Communications, 2019, 55, 4423-4426.	4.1	12
101	Graphene oxide catalyzed ketone Î±-alkylation with alkenes: enhancement of graphene oxide activity by hydrogen bonding. Chemical Communications, 2019, 55, 5379-5382.	4.1	17
102	Nickelâ€Catalyzed C(sp 2)â^'C(sp 3) Kumada Crossâ€Coupling of Aryl Tosylates with Alkyl Grignard Reagents. Advanced Synthesis and Catalysis, 2019, 361, 2329-2336.	4.3	15
103	Triflamides: Highly Reactive, Electronically Activated N-Sulfonyl Amides in Catalytic Nâ€“C(O) Amide Cross-Coupling. Organic Letters, 2019, 21, 1253-1257.	4.6	32
104	A simple 1H NMR method for determining the Ï*f*-donor properties of N-heterocyclic carbenes. Tetrahedron Letters, 2019, 60, 378-381.	1.4	70
105	Nâ€Methylcaprolactam as a Dipolar Aprotic Solvent for Ironâ€Catalyzed Crossâ€Coupling Reactions: Matching Efficiency with Safer Reaction Media. ChemCatChem, 2019, 11, 1196-1199.	3.7	12
106	TrÃ¶gerâ€™s Base Twisted Amides: High Amide Bond Twist and N-/O-Protonation Aptitude. Journal of Organic Chemistry, 2019, 84, 1510-1516.	3.2	16
107	Iron-Catalyzed C(sp²)â€“C(sp³) Cross-Coupling of Chlorobenzenesulfonamides with Alkyl Grignard Reagents: Entry to Alkylated Aromatics. Journal of Organic Chemistry, 2019, 84, 1640-1646.	3.2	17
108	Chemistry of Bridged Lactams: Recent Developments. Molecules, 2019, 24, 274.	3.8	43

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109	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
110	Ironâ€Catalyzed C(sp 2)â^'C(sp 3) Crossâ€Coupling of Chlorobenzamides with Alkyl Grignard Reagents: Development of Catalyst System, Synthetic Scope, and Application. Advanced Synthesis and Catalysis, 2019, 361, 85-95.	4.3	17
111	Eisenkatalysierte Kreuzkupplungen in der Synthese von Pharmazeutika: Streben nach Nachhaltigkeit. Angewandte Chemie, 2018, 130, 11284-11297.	2.0	54
112	2â€Methyltetrahydrofuran: A Green Solvent for Ironâ€Catalyzed Crossâ€Coupling Reactions. ChemSusChem, 2018, 11, 1290-1294.	6.8	44
113	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
114	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
115	Ironâ€Catalyzed Crossâ€Couplings in the Synthesis of Pharmaceuticals: In Pursuit of Sustainability. Angewandte Chemie - International Edition, 2018, 57, 11116-11128.	13.8	214
116	Barriers to Rotation in ortho-Substituted Tertiary Aromatic Amides: Effect of Chloro-Substitution on Resonance and Distortion. Journal of Organic Chemistry, 2018, 83, 3159-3163.	3.2	29
117	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
118	Decarbonylative thioetherification by nickel catalysis using air- and moisture-stable nickel precatalysts. Chemical Communications, 2018, 54, 2130-2133.	4.1	95
119	Nâ€Acylâ€Glutarimides: Privileged Scaffolds in Amide Nâ€“C Bond Crossâ€Coupling. European Journal of Organic Chemistry, 2018, 2018, 2352-2365.	2.4	116
120	Transamidation of N-acyl-glutarimides with amines. Organic and Biomolecular Chemistry, 2018, 16, 1322-1329.	2.8	57
121	Ruthenium(II)-Catalyzed Direct Câ€“H Arylation of Indoles with Arylsilanes in Water. Organic Letters, 2018, 20, 341-344.	4.6	79
122	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
123	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
124	Decarbonylative cross-coupling of amides. Organic and Biomolecular Chemistry, 2018, 16, 7998-8010.	2.8	138
125	Pd-Catalyzed Suzuki-Miyaura Cross-Coupling of Pentafluorophenyl Esters. Molecules, 2018, 23, 3134.	3.8	18
126	The Most Twisted Acyclic Amides: Structures and Reactivity. Organic Letters, 2018, 20, 7771-7774.	4.6	41

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127	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
128	Highly selective transition-metal-free transamidation of amides and amidation of esters at room temperature. Nature Communications, 2018, 9, 4165.	12.8	164
129	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
130	Palladiumâ€Catalyzed Decarbonylative Borylation of Carboxylic Acids: Tuning Reaction Selectivity by Computation. Angewandte Chemie - International Edition, 2018, 57, 16721-16726.	13.8	98
131	Twisted N-Acyl-hydantoins: Rotationally Inverted Urea-Imides of Relevance in Nâ€“C(O) Cross-coupling. Journal of Organic Chemistry, 2018, 83, 14676-14682.	3.2	13
132	Structures and energetic properties of 4-halobenzamides. Acta Crystallographica Section C, Structural Chemistry, 2018, 74, 1395-1402.	0.5	1
133	Palladiumâ€Catalyzed Decarbonylative Borylation of Carboxylic Acids: Tuning Reaction Selectivity by Computation. Angewandte Chemie, 2018, 130, 16963-16968.	2.0	71
134	Transition-Metal-Free Esterification of Amides via Selective Nâ€“C Cleavage under Mild Conditions. Organic Letters, 2018, 20, 5622-5625.	4.6	78
135	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
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