Kenichiro Itami

List of Publications by Year
in descending order

259 papers	25,532 citations	4942 84 h-index	7931 149 g-index
293 all docs	293 docs citations	293 times ranked	14229 citing authors

#	Article	IF	Citations
1	Cï£¿H Bond Functionalization: Emerging Synthetic Tools for Natural Products and Pharmaceuticals. Angewandte Chemie - International Edition, 2012, 51, 8960-9009.	7.2	2,669
2	Synthesis of Extended Ï€â€Systems through Câ€“H Activation. Angewandte Chemie - International Edition, 2015, 54, 66-81.	7.2	579
3	A grossly warped nanographene and the consequences of multiple odd-membered-ring defects. Nature Chemistry, 2013, 5, 739-744.	6.6	548
4	Recent Progress in Nickelâ€Catalyzed Biaryl Coupling. European Journal of Organic Chemistry, 2013, 2013, 19-30.	1.2	485
5	Potassium t-Butoxide Alone Can Promote the Biaryl Coupling of Electron-Deficient Nitrogen Heterocycles and Haloarenes. Organic Letters, 2008, 10, 4673-4676.	2.4	456
6	Catalytic Methods for Aromatic Câ€“H Amination: An Ideal Strategy for Nitrogen-Based Functional Molecules. ACS Catalysis, 2016, 6, 610-633.	5.5	456
7	Selective Synthesis of [12]Cycloparaphenylene. Angewandte Chemie - International Edition, 2009, 48, 6112-6116.	7.2	447
8	Structurally uniform and atomically precise carbon nanostructures. Nature Reviews Materials, 2016, 1, .	23.3	417
9	Synthesis of a carbon nanobelt. Science, 2017, 356, 172-175.	6.0	408
10	Câ€“H Functionalization of Azines. Chemical Reviews, 2017, 117, 9302-9332.	23.0	406
11	Nickel-Catalyzed Câ€“H/Câ€“O Coupling of Azoles with Phenol Derivatives. Journal of the American Chemical Society, 2012, 134, 169-172.	6.6	351
12	Initiation of carbon nanotube growth by well-defined carbon nanorings. Nature Chemistry, 2013, 5, 572-576.	6.6	343
13	Decarbonylative Câ€“H Coupling of Azoles and Aryl Esters: Unprecedented Nickel Catalysis and Application to the Synthesis of Muscoride A. Journal of the American Chemical Society, 2012, 134, 13573-13576.	6.6	325
14	Direct Câˆ’H Arylation of (Hetero)arenes with Aryl Iodides via Rhodium Catalysis. Journal of the American Chemical Society, 2006, 128, 11748-11749.	6.6	306
15	Design and Synthesis of Carbon Nanotube Segments. Angewandte Chemie - International Edition, 2016, 55, 5136-5158.	7.2	300
16	Combined experimental and theoretical studies on the photophysical properties of cycloparaphenylenes. Organic and Biomolecular Chemistry, 2012, 10, 5979.	1.5	248
17	Synthesis, Structures, and Properties of Ï€-Extended Double Helicene: A Combination of Planar and Nonplanar Ï€-Systems. Journal of the American Chemical Society, 2015, 137, 7763-7768.	6.6	248
18	Programmed Synthesis of Tetraarylthiophenes through Sequential Câˆ’H Arylation. Journal of the American Chemical Society, 2009, 131, 14622-14623.	6.6	242

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19	Theoretical Studies on the Structures and Strain Energies of Cycloparaphenylenes. Organic Letters, 2010, 12, 2262-2265.	2.4	240
20	Decarbonylative organoboron cross-coupling of esters by nickel catalysis. Nature Communications, 2015, 6, 7508.	5.8	237
21	A General Catalyst for the Î²â€Selective Câ€“H Bond Arylation of Thiophenes with Iodoarenes. Angewandte Chemie - International Edition, 2010, 49, 8946-8949.	7.2	230
22	Probing strigolactone receptors in Striga hermonthica with fluorescence. Science, 2015, 349, 864-868.	6.0	230
23	Concise Synthesis and Crystal Structure of [12]Cycloparaphenylene. Angewandte Chemie - International Edition, 2011, 50, 3244-3248.	7.2	225
24	Annulative Ï€â€Extension (APEX): Rapid Access to Fused Arenes, Heteroarenes, and Nanographenes. Angewandte Chemie - International Edition, 2017, 56, 11144-11164.	7.2	220
25	Oxidative Biaryl Coupling of Thiophenes and Thiazoles with Arylboronic Acids through Palladium Catalysis: Otherwise Difficult C4â€Selective Cï£¿H Arylation Enabled by Boronic Acids. Angewandte Chemie - International Edition, 2011, 50, 2387-2391.	7.2	216
26	A Modular and Sizeâ€Selective Synthesis of [n]Cycloparaphenylenes: A Step toward the Selective Synthesis of [n,n] Singleâ€Walled Carbon Nanotubes. Angewandte Chemie - International Edition, 2010, 49, 10202-10205.	7.2	215
27	para-Câ€“H Borylation of Benzene Derivatives by a Bulky Iridium Catalyst. Journal of the American Chemical Society, 2015, 137, 5193-5198.	6.6	213
28	Hindered biaryls by Câ€“H coupling: bisoxazoline-Pd catalysis leading to enantioselective Câ€“H coupling. Chemical Science, 2012, 3, 2165.	3.7	210
29	Diversity-Oriented Synthesis of Tamoxifen-type Tetrasubstituted Olefins. Journal of the American Chemical Society, 2003, 125, 14670-14671.	6.6	205
30	Iridium Catalysis for Cï£¿H Bond Arylation of Heteroarenes with Iodoarenes. Angewandte Chemie - International Edition, 2009, 48, 3644-3647.	7.2	196
31	Programmed synthesis of arylthiazoles through sequential Câ€“H couplings. Chemical Science, 2014, 5, 123-135.	3.7	194
32	Topological molecular nanocarbons: All-benzene catenane and trefoil knot. Science, 2019, 365, 272-276.	6.0	192
33	Polycyclic Arene Synthesis by Annulative Ï€-Extension. Journal of the American Chemical Society, 2019, 141, 3-10.	6.6	185
34	Diversity-Oriented Synthesis of Multisubstituted Olefins through the Sequential Integration of Palladium-Catalyzed Cross-Coupling Reactions. 2-Pyridyldimethyl(vinyl)silane as a Versatile Platform for Olefin Synthesis. Journal of the American Chemical Society, 2001, 123, 11577-11585.	6.6	178
35	Synthesis and Properties of [9]Cyclo-1,4-naphthylene: A Ï€-Extended Carbon Nanoring. Journal of the American Chemical Society, 2012, 134, 2962-2965.	6.6	174
36	Pyrimidine-Core Extended Ï€-Systems:Â General Synthesis and Interesting Fluorescent Properties. Journal of the American Chemical Society, 2004, 126, 15396-15397.	6.6	168

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37	One-shot K-region-selective annulative Ï€-extension for nanographene synthesis and functionalization. Nature Communications, 2015, 6, 6251.	5.8	167
38	Key Mechanistic Features of Ni-Catalyzed Câ€“H/Câ€“O Biaryl Coupling of Azoles and Naphthalen-2-yl Pivalates. Journal of the American Chemical Society, 2014, 136, 14834-14844.	6.6	164
39	Isolation, Structure, and Reactivity of an Arylnickel(II) Pivalate Complex in Catalytic Câ€“H/Câ€“O Biaryl Coupling. Journal of the American Chemical Society, 2013, 135, 16384-16387.	6.6	160
40	Nickelâ€Catalyzed Î±â€Arylation of Ketones with Phenol Derivatives. Angewandte Chemie - International Edition, 2014, 53, 6791-6794.	7.2	158
41	Synthesis and Structural Features of Quadruple Helicenes: Highly Distorted Ï€ Systems Enabled by Accumulation of Helical Repulsions. Journal of the American Chemical Society, 2016, 138, 3587-3595.	6.6	157
42	Triarylethene-Based Extended Ï€-Systems:â€‰ Programmable Synthesis and Photophysical Properties. Journal of Organic Chemistry, 2005, 70, 2778-2792.	1.7	153
43	[9]Cycloparaphenylene: Nickel-mediated Synthesis and Crystal Structure. Chemistry Letters, 2011, 40, 423-425.	0.7	148
44	Strength of carbon nanotubes depends on their chemical structures. Nature Communications, 2019, 10, 3040.	5.8	148
45	Sequential Assembly Strategy for Tetrasubstituted Olefin Synthesis Using Vinyl 2-Pyrimidyl Sulfide as a Platform. Journal of the American Chemical Society, 2004, 126, 11778-11779.	6.6	146
46	Direct Arylation of Polycyclic Aromatic Hydrocarbons through Palladium Catalysis. Journal of the American Chemical Society, 2011, 133, 10716-10719.	6.6	144
47	Cï£¿H Alkenylation of Azoles with Enols and Esters by Nickel Catalysis. Angewandte Chemie - International Edition, 2013, 52, 10048-10051.	7.2	144
48	Sizeâ€Selective Complexation and Extraction of Endohedral Metallofullerenes with Cycloparaphenylene. Angewandte Chemie - International Edition, 2014, 53, 3102-3106.	7.2	144
49	One-shot indole-to-carbazole Ï€-extension by a Pdâ€“Cuâ€“Ag trimetallic system. Chemical Science, 2013, 4, 3416.	3.7	143
50	Synthesis and characterization of hexaarylbenzenes with five or six different substituents enabled by programmed synthesis. Nature Chemistry, 2015, 7, 227-233.	6.6	143
51	Aromatic Câ€“H coupling with hindered arylboronic acids by Pd/Fe dual catalysts. Chemical Science, 2013, 4, 3753.	3.7	140
52	Synthesis and Racemization Process of Chiral Carbon Nanorings: A Step toward the Chemical Synthesis of Chiral Carbon Nanotubes. Organic Letters, 2011, 13, 2480-2483.	2.4	137
53	Cycloparaphenyleneâ€Based Ionic Donorâ€“Acceptor Supramolecule: Isolation and Characterization of Li⁺@C₆₀âŠ‚[10]CPP. Angewandte Chemie - International Edition, 2015, 54, 3707-3711.	7.2	137
54	Catalytic Câ€“H Imidation of Aromatic Cores of Functional Molecules: Ligand-Accelerated Cu Catalysis and Application to Materials- and Biology-Oriented Aromatics. Journal of the American Chemical Society, 2015, 137, 2460-2463.	6.6	136

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55	A Quintuple [6]Helicene with a Corannulene Core as a C₅â€Symmetric Propellerâ€Shaped Ï€â€System. Angewandte Chemie - International Edition, 2018, 57, 1337-1341.	7.2	134
56	Size-selective synthesis of [9]â€“[11] and [13]cycloparaphenylenes. Chemical Science, 2012, 3, 2340.	3.7	132
57	Synthesis and Size-Dependent Properties of [12], [16], and [24]Carbon Nanobelts. Journal of the American Chemical Society, 2018, 140, 10054-10059.	6.6	131
58	Concise Syntheses of Dictyodendrins A and F by a Sequential Câ€“H Functionalization Strategy. Journal of the American Chemical Society, 2015, 137, 644-647.	6.6	129
59	Synthesis of partially and fully fused polyaromatics by annulative chlorophenylene dimerization. Science, 2018, 359, 435-439.	6.0	127
60	Synthesis and properties of all-benzene carbon nanocages: a junction unit of branched carbon nanotubes. Chemical Science, 2013, 4, 84-88.	3.7	123
61	Construction of Heptagonâ€Containing Molecular Nanocarbons. Angewandte Chemie - International Edition, 2021, 60, 23508-23532.	7.2	118
62	Thiophene-Fused Ï€-Systems from Diarylacetylenes and Elemental Sulfur. Journal of the American Chemical Society, 2016, 138, 10351-10355.	6.6	112
63	Decarbonylative Diaryl Ether Synthesis by Pd and Ni Catalysis. Journal of the American Chemical Society, 2017, 139, 3340-3343.	6.6	112
64	Câ€“H arylation and alkenylation of imidazoles by nickel catalysis: solvent-accelerated imidazole Câ€“H activation. Chemical Science, 2015, 6, 6792-6798.	3.7	110
65	Câ€“H activation route to dibenzo[a,e]pentalenes: annulation of arylacetylenes promoted by PdCl2â€“AgOTfâ€“o-chloranil. Chemical Science, 2013, 4, 2369.	3.7	107
66	Chemical hijacking of auxin signaling with an engineered auxinâ€“TIR1 pair. Nature Chemical Biology, 2018, 14, 299-305.	3.9	107
67	Synthesis and Properties of Cycloparaphenylene-2,5-pyridylidene: A Nitrogen-Containing Carbon Nanoring. Organic Letters, 2012, 14, 1888-1891.	2.4	106
68	All-Benzene Carbon Nanocages: Size-Selective Synthesis, Photophysical Properties, and Crystal Structure. Journal of the American Chemical Society, 2014, 136, 16452-16458.	6.6	103
69	A Waterâ€Soluble Warped Nanographene: Synthesis and Applications for Photoinduced Cell Death. Angewandte Chemie - International Edition, 2018, 57, 2874-2878.	7.2	102
70	Topologically Unique Molecular Nanocarbons. Accounts of Chemical Research, 2019, 52, 2760-2767.	7.6	102
71	A Quest for Structurally Uniform Graphene Nanoribbons: Synthesis, Properties, and Applications. Journal of Organic Chemistry, 2020, 85, 4-33.	1.7	101
72	Iron-Catalyzed Cross-Coupling of Alkenyl Sulfides with Grignard Reagents. Organic Letters, 2005, 7, 1219-1222.	2.4	99

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73	Rapid Access to Nanographenes and Fused Heteroaromatics by Palladiumâ€Catalyzed Annulative Ï€â€Extension Reaction of Unfunctionalized Aromatics with Diiodobiaryls. Angewandte Chemie - International Edition, 2017, 56, 12224-12228.	7.2	96
74	Synthesis of a zigzag carbon nanobelt. Nature Chemistry, 2021, 13, 255-259.	6.6	96
75	Design und Synthese von KohlenstoffnanorÃ¶hrensegmenten. Angewandte Chemie, 2016, 128, 5222-5245.	1.6	95
76	Metal-Catalyzed Hydrosilylation of Alkenes and Alkynes Using Dimethyl(pyridyl)silane. Journal of Organic Chemistry, 2002, 67, 2645-2652.	1.7	94
77	Excited States in Cycloparaphenylenes: Dependence of Optical Properties on Ring Length. Journal of Physical Chemistry Letters, 2012, 3, 3125-3128.	2.1	94
78	Curved Oligophenylenes as Donors in Shapeâ€Persistent Donorâ€“Acceptor Macrocycles with Solvatofluorochromic Properties. Angewandte Chemie - International Edition, 2015, 54, 9646-9649.	7.2	94
79	Cell-based screen identifies a new potent and highly selective CK2 inhibitor for modulation of circadian rhythms and cancer cell growth. Science Advances, 2019, 5, eaau9060.	4.7	93
80	Selective synthesis of [7]- and [8]cycloparaphenylenes. Chemical Communications, 2014, 50, 954-956.	2.2	92
81	Ni-Catalyzed Î±-arylation of esters and amides with phenol derivatives. Chemical Communications, 2015, 51, 855-857.	2.2	92
82	Î·⁶-Cycloparaphenylene Transition Metal Complexes: Synthesis, Structure, Photophysical Properties, and Application to the Selective Monofunctionalization of Cycloparaphenylenes. Journal of the American Chemical Society, 2015, 137, 1356-1361.	6.6	91
83	Recent Advances in Câ€“H Activation for the Synthesis of Ï€-Extended Materials. , 2020, 2, 951-974.		91
84	Palladium-Catalyzed Câ€“H Activation Taken to the Limit. Flattening an Aromatic Bowl by Total Arylation. Journal of the American Chemical Society, 2012, 134, 15664-15667.	6.6	89
85	Catalytic Dehydrogenative Câ€“H Imidation of Arenes Enabled by Photo-generated Hole Donation to Sulfonimide. CheM, 2017, 2, 383-392.	5.8	86
86	Symmetric Multiple Carbohelicenes. Synlett, 2019, 30, 370-377.	1.0	86
87	Infinitene: A Helically Twisted Figure-Eight [12]Circulene Topoisomer. Journal of the American Chemical Society, 2022, 144, 862-871.	6.6	85
88	Rhodium-Catalyzed Intermolecular [4+2] Cycloaddition of Unactivated Substrates. Angewandte Chemie - International Edition, 1998, 37, 2248-2250.	7.2	82
89	Catalytic Asymmetric [4 + 1] Cycloaddition of Vinylallenes with Carbon Monoxide:Â Reversal of the Induced Chirality by the Choice of Metal. Journal of the American Chemical Society, 1999, 121, 4130-4135.	6.6	80
90	Carbon Nanosheets by Morphologyâ€Retained Carbonization of Twoâ€Dimensional Assembled Anisotropic Carbon Nanorings. Angewandte Chemie - International Edition, 2018, 57, 9679-9683.	7.2	80

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91	Origin of the size-dependent fluorescence blueshift in [n]cycloparaphenylenes. Chemical Science, 2013, 4, 187-195.	3.7	79
92	Stereodivergent Synthesis of Arylcyclopropylamines by Sequential Cï£¿H Borylation and Suzukiâ€“Miyaura Coupling. Angewandte Chemie - International Edition, 2015, 54, 846-851.	7.2	79
93	Thiopheneâ€Based, Radial Ï€â€Conjugation: Synthesis, Structure, and Photophysical Properties of Cycloâ€1,4â€phenyleneâ€2â€²,5â€²â€thienylenes. Angewandte Chemie - International Edition, 2015, 54, 159-163.	7.2	79
94	Annulative Ï€-Extension (APEX) of Heteroarenes with Dibenzosiloles and Dibenzogermoles by Palladium/o-Chloranil Catalysis. Organic Letters, 2017, 19, 1930-1933.	2.4	77
95	Casein kinase 1 family regulates PRR5 and TOC1 in the Arabidopsis circadian clock. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 11528-11536.	3.3	77
96	Nickel-Catalyzed Aromatic Câ€“H Functionalization. Topics in Current Chemistry, 2016, 374, 55.	3.0	75
97	Cyanation of Phenol Derivatives with Aminoacetonitriles by Nickel Catalysis. Organic Letters, 2016, 18, 4428-4431.	2.4	74
98	Toward controlled synthesis of carbon nanotubes and graphenes. Pure and Applied Chemistry, 2012, 84, 907-916.	0.9	72
99	Synthetic Strategies of Carbon Nanobelts and Related Beltâ€Shaped Polycyclic Aromatic Hydrocarbons. Chemistry - A European Journal, 2020, 26, 14791-14801.	1.7	72
100	Cï£¿H Activation Generates Periodâ€Shortening Molecules That Target Cryptochrome in the Mammalian Circadian Clock. Angewandte Chemie - International Edition, 2015, 54, 7193-7197.	7.2	71
101	A Theoretical Study on the Strain Energy of Carbon Nanobelts. Organic Letters, 2016, 18, 1430-1433.	2.4	71
102	Chemical Synthesis of Carbon Nanorings and Nanobelts. Accounts of Materials Research, 2021, 2, 681-691.	5.9	71
103	Synthesis, Properties, and Packing Structures of Corannuleneâ€Based Ï€â€Systems Containing Heptagons. Chemistry - an Asian Journal, 2015, 10, 1635-1639.	1.7	69
104	A Nonalternant Aromatic Belt: Methylene-Bridged [6]Cycloparaphenylene Synthesized from Pillar[6]arene. Journal of the American Chemical Society, 2020, 142, 12850-12856.	6.6	69
105	Rapid Construction of Multisubstituted Olefin Structures Using Vinylboronate Ester Platform Leading to Highly Fluorescent Materials. Organic Letters, 2004, 6, 4093-4096.	2.4	68
106	Pd(OAc)₂/o-Chloranil/M(OTf)_n: A Catalyst for the Direct Câ€“H Arylation of Polycyclic Aromatic Hydrocarbons with Boryl-, Silyl-, and Unfunctionalized Arenes. Organic Letters, 2012, 14, 418-421.	2.4	68
107	A General and Straightforward Route toward Diarylmethanes. Integrated Cross-Coupling Reactions Using (2-Pyridyl)silylmethylstannane as an Air-Stable, Storable, and Versatile Coupling Platform. Organic Letters, 2002, 4, 3635-3638.	2.4	67
108	Palladium-Catalyzed Convergent Synthesis and Properties of Conjugated Dendrimers Based on Triarylethene Branching. Angewandte Chemie - International Edition, 2006, 45, 2404-2409.	7.2	67

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109	Synthesis and properties of cycloparaphenylene-2,7-pyrenylene: a pyrene-containing carbon nanoring. Chemical Communications, 2014, 50, 957-959.	2.2	67
110	Construction of Covalent Organic Nanotubes by Light-Induced Cross-Linking of Diacetylene-Based Helical Polymers. Journal of the American Chemical Society, 2016, 138, 11001-11008.	6.6	67
111	A Quintuple [6]Helicene with a Corannulene Core as a C₅â€Symmetric Propellerâ€Shaped Ïâ€System. Angewandte Chemie, 2018, 130, 1351-1355.	1.6	67
112	Double-Helix Supramolecular Nanofibers Assembled from Negatively Curved Nanographenes. Journal of the American Chemical Society, 2021, 143, 5465-5469.	6.6	66
113	Stereoselective Synthesis of Multisubstituted Butadienes through Directed Mizorokiâ^'Heck Reaction and Homocoupling Reaction of Vinyl(2-pyridyl)silane. Organic Letters, 2004, 6, 3695-3698.	2.4	65
114	Regiodivergent Cross-Dehydrogenative Coupling of Pyridines and Benzoxazoles: Discovery of Organic Halides as Regio-Switching Oxidants. Organic Letters, 2016, 18, 2415-2418.	2.4	65
115	Die anellierende Erweiterung von Ïâ€Systemen (APEXâ€Reaktion): ein rascher Zugang zu kondensierten Arenen, Heteroarenen und Nanographenen. Angewandte Chemie, 2017, 129, 11296-11317.	1.6	65
116	Synthesis and Structure of a Propeller-Shaped Polycyclic Aromatic Hydrocarbon Containing Seven-Membered Rings. Organic Letters, 2018, 20, 1932-1935.	2.4	64
117	Synthesis and structural features of thiophene-fused analogues of warped nanographene and quintuple helicene. Chemical Science, 2019, 10, 2326-2330.	3.7	63
118	A Pyridylsilyl Group Expands the Scope of Catalytic Intermolecular Pausonâ€“Khand Reactions. Angewandte Chemie - International Edition, 2002, 41, 3481-3484.	7.2	62
119	Synthesis and Dimerization of Chloro[10]cycloparaphenylene: A Directly Connected Cycloparaphenylene Dimer. Organic Letters, 2014, 16, 2174-2176.	2.4	62
120	Corannuleneâ€“Helicene Hybrids: Chiral Ï€-Systems Comprising Both Bowl and Helical Motifs. Organic Letters, 2016, 18, 3992-3995.	2.4	62
121	Oneâ€Step Annulative Ïâ€Extension of Alkynes with Dibenzosiloles or Dibenzogermoles by Palladium/oâ€chloranil Catalysis. Angewandte Chemie - International Edition, 2017, 56, 1361-1364.	7.2	62
122	Electrically Activated Conductivity and White Light Emission of a Hydrocarbon Nanoringâ€“Iodine Assembly. Angewandte Chemie - International Edition, 2017, 56, 11196-11202.	7.2	62
123	Synthesis, properties, and crystal structures of Ï€-extended double [6]helicenes: contorted multi-dimensional stacking lattice. Organic and Biomolecular Chemistry, 2017, 15, 4697-4703.	1.5	61
124	Isoform-selective regulation of mammalian cryptochromes. Nature Chemical Biology, 2020, 16, 676-685.	3.9	61
125	Annulative Ï€-extension of indoles and pyrroles with diiodobiaryls by Pd catalysis: rapid synthesis of nitrogen-containing polycyclic aromatic compounds. Chemical Science, 2018, 9, 7556-7561.	3.7	60
126	A Study on Rhodiumâ€“ Vinylallene Complexes Leading to a New Reaction, Rhodium-Catalyzed Carbonylative[4 + 1]Cycloaddition. Angewandte Chemie International Edition in English, 1996, 34, 2691-2694.	4.4	58

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127	Mechanistic Studies on the Pdâ€catalyzed Direct Cï£¿H Arylation of 2â€Substituted Thiophene Derivatives with Arylpalladium Bipyridyl Complexes. Chemistry - an Asian Journal, 2012, 7, 1256-1260.	1.7	58
128	Cu-Catalyzed aromatic Câ€“H imidation with N-fluorobenzenesulfonimide: mechanistic details and predictive models. Chemical Science, 2017, 8, 988-1001.	3.7	57
129	Catalytic Intermolecular Pausonâ^'Khand-Type Reaction:Â Strong Directing Effect of Pyridylsilyl and Pyrimidylsilyl Groups and Isolation of Ru Complexes Relevant to Catalytic Reaction. Journal of the American Chemical Society, 2004, 126, 11058-11066.	6.6	55
130	Molecular catalysis for fullerene functionalization. Chemical Record, 2011, 11, 226-235.	2.9	54
131	Coordination Modes and Catalytic Carbonylative [4 + 1] Cycloaddition of Vinylallenes. Organometallics, 1999, 18, 1326-1336.	1.1	53
132	Laterally Ï€-Extended Dithia[6]helicenes with Heptagons: Saddle-Helix Hybrid Molecules. Journal of Organic Chemistry, 2017, 82, 7745-7749.	1.7	53
133	Synthesis of a MÃ¶bius carbon nanobelt. , 2022, 1, 535-541.		53
134	Platform Synthesis: A Useful Strategy for Rapid and Systematic Generation of Molecular Diversity. Chemistry - A European Journal, 2006, 12, 3966-3974.	1.7	52
135	Cycloparaphenylene as a molecular porous carbon solid with uniform pores exhibiting adsorption-induced softness. Chemical Science, 2016, 7, 4204-4210.	3.7	52
136	Regioselective Catalytic Allylic Alkylation Directed by Removable 2-PyMe2Si Group. Journal of the American Chemical Society, 2001, 123, 6957-6958.	6.6	50
137	Palladium-catalyzed Decarbonylative Alkynylation of Aromatic Esters. Chemistry Letters, 2017, 46, 218-220.	0.7	50
138	Pyridylidene ligand facilitates gold-catalyzed oxidative Câ€“H arylation of heterocycles. Beilstein Journal of Organic Chemistry, 2015, 11, 2737-2746.	1.3	49
139	Synthesis of Nitrogenâ€Containing Polyaromatics by Azaâ€Annulative Ï€â€Extension of Unfunctionalized Aromatics. Angewandte Chemie - International Edition, 2020, 59, 6383-6388.	7.2	49
140	Directed Intermolecular Carbomagnesation across Vinylsilanes: 2-PyMe2Si Group as a Removable Directing Group. Angewandte Chemie - International Edition, 2001, 40, 2337-2339.	7.2	48
141	Efficient and Rapid Câ^'Si Bond Cleavage in Supercritical Water. Journal of the American Chemical Society, 2003, 125, 6058-6059.	6.6	47
142	Palladium-Catalyzed Rearrangement/Arylation of 2-Allyloxypyridine Leading to the Synthesis of N-Substituted 2-Pyridones. Organic Letters, 2003, 5, 2161-2164.	2.4	46
143	Helically Twisted Tetracene: Synthesis, Crystal Structure, and Photophysical Properties of Hexabenzo[a,c,fg,j,l,op]tetracene. Synlett, 2016, 27, 2081-2084.	1.0	46
144	Catalytic Carbometalation/Cross-Coupling Sequence across Alkynyl(2-pyridyl)silanes Leading to a Diversity-Oriented Synthesis of Tamoxifen-Type Tetrasubstituted Olefins. Advanced Synthesis and Catalysis, 2004, 346, 1824-1835.	2.1	45

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145	Palladium-Catalyzed Decarbonylative Cross-Coupling of Azinecarboxylates with Arylboronic Acids. Organic Letters, 2016, 18, 5106-5109.	2.4	45
146	Single-Step Construction of a Nine-Membered Carbocycle by a New [4+4+1] Cycloaddition. Angewandte Chemie - International Edition, 1998, 37, 3418-3420.	7.2	44
147	Phenanthro[9,10-a]corannulene by one-step annulative Ï€-extension of corannulene. Canadian Journal of Chemistry, 2017, 95, 329-333.	0.6	44
148	Synthesis of Highly Twisted, Nonplanar Aromatic Macrocycles Enabled by an Axially Chiral 4,5-Diphenylphenanthrene Building Block. Journal of the American Chemical Society, 2020, 142, 3246-3253.	6.6	42
149	[Bis(2-pyridyldimethylsilyl)methyl]lithium. New Reagent for the Stereoselective Synthesis of Vinylsilanes. Organic Letters, 2000, 2, 1299-1302.	2.4	41
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