

Hideto Ito

List of Publications by Year in descending order

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Version: 2024-02-01

48
papers

3,273
citations

159358
30
h-index

182168
51
g-index

63
all docs

63
docs citations

63
times ranked

3211
citing authors

#	ARTICLE	IF	CITATIONS
1	Structurally uniform and atomically precise carbon nanostructures. <i>Nature Reviews Materials</i> , 2016, 1, .	23.3	417
2	Annulative $\text{I}\ddot{\text{C}}$ -Extension (APEX): Rapid Access to Fused Arenes, Heteroarenes, and Nanographenes. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11144-11164.	7.2	220
3	Polycyclic Arene Synthesis by Annulative $\text{I}\ddot{\text{C}}$ -Extension. <i>Journal of the American Chemical Society</i> , 2019, 141, 3-10.	6.6	185
4	One-shot K-region-selective annulative $\text{I}\ddot{\text{C}}$ -extension for nanographene synthesis and functionalization. <i>Nature Communications</i> , 2015, 6, 6251.	5.8	167
5	One-shot indole-to-carbazole $\text{I}\ddot{\text{C}}$ -extension by a $\text{Pd}\text{--}\text{Cu}\text{--}\text{Ag}$ trimetallic system. <i>Chemical Science</i> , 2013, 4, 3416.	3.7	143
6	Using Triethynylphosphine Ligands Bearing Bulky End Caps To Create a Holey Catalytic Environment: Application to Gold(I)-Catalyzed Alkyne Cyclizations. <i>Journal of the American Chemical Society</i> , 2006, 128, 16486-16487.	6.6	141
7	Construction of Heptagon-Containing Molecular Nanocarbons. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 23508-23532.	7.2	118
8	A Quest for Structurally Uniform Graphene Nanoribbons: Synthesis, Properties, and Applications. <i>Journal of Organic Chemistry</i> , 2020, 85, 4-33.	1.7	101
9	Rapid Access to Nanographenes and Fused Heteroaromatics by Palladium-Catalyzed Annulative $\text{I}\ddot{\text{C}}$ -Extension Reaction of Unfunctionalized Aromatics with Diiodobiaryls. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 12224-12228.	7.2	96
10	Infinetene: A Helically Twisted Figure-Eight [12]Circulene Topoisomer. <i>Journal of the American Chemical Society</i> , 2022, 144, 862-871.	6.6	85
11	Thiophene-Based, Radial $\text{I}\ddot{\text{C}}$ -Conjugation: Synthesis, Structure, and Photophysical Properties of Cyclo[1,4-phenylene-2,5-ethienylenes. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 159-163.	7.2	79
12	Annulative $\text{I}\ddot{\text{C}}$ -Extension (APEX) of Heteroarenes with Dibenzosiloles and Dibenzogermoles by Palladium-Chloranil Catalysis. <i>Organic Letters</i> , 2017, 19, 1930-1933.	2.4	77
13	Construction of Eight-Membered Carbocycles through Gold Catalysis with Acetylene-Tethered Silyl Enol Ethers. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 4239-4242.	7.2	75
14	General and Functional Group-Tolerable Approach to Allenylsilanes by Rhodium-Catalyzed Coupling between Propargylic Carbonates and a Silylboronate. <i>Organic Letters</i> , 2009, 11, 5618-5620.	2.4	71
15	A Theoretical Study on the Strain Energy of Carbon Nanobelts. <i>Organic Letters</i> , 2016, 18, 1430-1433.	2.4	71
16	Construction of Covalent Organic Nanotubes by Light-Induced Cross-Linking of Diacetylene-Based Helical Polymers. <i>Journal of the American Chemical Society</i> , 2016, 138, 11001-11008.	6.6	67
17	Die anellierende Erweiterung von $\text{I}\ddot{\text{C}}$ -Systemen (APEX-Reaktion): ein rascher Zugang zu kondensierten Arenen, Heteroarenen und Nanographenen. <i>Angewandte Chemie</i> , 2017, 129, 11296-11317.	1.6	65
18	One-Step Annulative $\text{I}\ddot{\text{C}}$ -Extension of Alkynes with Dibenzosiloles or Dibenzogermoles by Palladium-Chloranil Catalysis. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 1361-1364.	7.2	62

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19	Cyclization of Nonterminal Alkynic β -Keto Esters Catalyzed by Gold(I) Complex with a Semihollow, End-Capped Triethynylphosphine Ligand. <i>Organic Letters</i> , 2008, 10, 5051-5054.	2.4	61
20	Annulative β -extension of indoles and pyrroles with diiodobiaryls by Pd catalysis: rapid synthesis of nitrogen-containing polycyclic aromatic compounds. <i>Chemical Science</i> , 2018, 9, 7556-7561.	3.7	60
21	Construction of Methylene-cycloheptane Frameworks through 7-Exo-Dig Cyclization of Acetylenic Silyl Enol Ethers Catalyzed by Triethynylphosphine-Gold Complex. <i>Organic Letters</i> , 2010, 12, 4380-4383.	2.4	59
22	Pyridylidene ligand facilitates gold-catalyzed oxidative C-H arylation of heterocycles. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 2737-2746.	1.3	49
23	Synthesis of Nitrogen-Containing Polyaromatics by Azide-Annulative β -Extension of Unfunctionalized Aromatics. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6383-6388.	7.2	49
24	Concise Synthesis and Facile Nanotube Assembly of a Symmetrically Multifunctionalized Cycloparaphenylene. <i>Chemistry - A European Journal</i> , 2015, 21, 18900-18904.	1.7	46
25	Helically Twisted Tetracene: Synthesis, Crystal Structure, and Photophysical Properties of Hexabenz[a,c,f,g,j,l,op]tetracene. <i>Synlett</i> , 2016, 27, 2081-2084.	1.0	46
26	Intramolecular hydroamination of alkynic sulfonamides catalyzed by a gold-triethynylphosphine complex: Construction of azepine frameworks by 7-exo-dig cyclization. <i>Beilstein Journal of Organic Chemistry</i> , 2011, 7, 951-959.	1.3	39
27	Rapid Access to Nanographenes and Fused Heteroaromatics by Palladium-Catalyzed Annulative β -Extension Reaction of Unfunctionalized Aromatics with Diiodobiaryls. <i>Angewandte Chemie</i> , 2017, 129, 12392-12396.	1.6	37
28	Diversity-oriented synthesis of nanographenes enabled by dearomative annulative β -extension. <i>Nature Communications</i> , 2021, 12, 3940.	5.8	35
29	Construction of Heptagon-Containing Molecular Nanocarbons. <i>Angewandte Chemie</i> , 2021, 133, 23700-23724.	1.6	31
30	Formation of Quaternary Carbon Centers by Highly Regioselective Hydroformylation with Catalytic Amounts of a Reversibly Bound Directing Group. <i>Chemistry - A European Journal</i> , 2011, 17, 8555-8558.	1.7	29
31	C-H Arylation of Phenanthrene with Trimethylphenylsilane by Pd- <i>o</i> -Chloranil Catalysis: Computational Studies on the Mechanism, Regioselectivity, and Role of <i>o</i> -Chloranil. <i>Journal of the American Chemical Society</i> , 2018, 140, 2196-2205.	6.6	29
32	Step-Growth Annulative β -Extension Polymerization for Synthesis of Cove-Type Graphene Nanoribbons. <i>Journal of the American Chemical Society</i> , 2020, 142, 1686-1691.	6.6	23
33	Palladium-Catalyzed Esterification of Carboxylic Acids with Aryl Iodides. <i>Organic Letters</i> , 2018, 20, 2428-2432.	2.4	22
34	Use of a Semihollow-Shaped Triethynylphosphane Ligand for Efficient Formation of Six- and Seven-Membered Ring Ethers through Gold(I)-Catalyzed Cyclization of Hydroxy-Tethered Propargylic Esters. <i>Advanced Synthesis and Catalysis</i> , 2013, 355, 647-652.	2.1	21
35	Recent advances in acetylene-based helical oligomers and polymers: Synthesis, structures, and properties. <i>Tetrahedron Letters</i> , 2018, 59, 1531-1547.	0.7	21
36	One-Step Annulative β -Extension of Alkynes with Dibenzosiloles or Dibenzogermoles by Palladium/ <i>o</i> -chloranil Catalysis. <i>Angewandte Chemie</i> , 2017, 129, 1381-1384.	1.6	19

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37	Key Structural Elements of Unsymmetrical Cyanine Dyes for Highly Sensitive Fluorescence Turn-On DNA Probes. Chemistry - an Asian Journal, 2017, 12, 233-238.	1.7	19
38	Bay-Region-Selective Annulative π -Extension (APEX) of Perylene Diimides with Arynes. Synlett, 2019, 30, 423-428.	1.0	18
39	Graphene Nanoribbon Dielectric Passivation Layers for Graphene Electronics. ACS Applied Nano Materials, 2019, 2, 4825-4831.	2.4	17
40	An axially chiral 1,1'-biazulene and its π -extended derivative: synthesis, structures and properties. Chemical Communications, 2019, 55, 9606-9609.	2.2	16
41	Macrocyclization by Rhodium-Catalyzed Cross-Cyclotrimerization of L-Shaped Diynes with Di-tert-butyl Acetylenedicarboxylate: Effect of Bent Linkers of Diynes. European Journal of Organic Chemistry, 2016, 2016, 4668-4673.	1.2	15
42	Oxidative Homocoupling Reaction of Aryltrimethylsilanes by Pd(<i>o</i>)-Chloranil Catalysis. Chemistry Letters, 2017, 46, 1701-1704.	0.7	15
43	Discovery of Plant Growth Stimulants by ^{13}C Arylation of 2-Azahypoxanthine. Organic Letters, 2018, 20, 5684-5687.	2.4	15
44	Synthesis of Nitrogen-Containing Polyaromatics by Aza-Annulative π -Extension of Unfunctionalized Aromatics. Angewandte Chemie, 2020, 132, 6445-6450.	1.6	11
45	CHAPTER 8. Cross-Dehydrogenative-Coupling Reactions without Metals. RSC Green Chemistry, 0, , 153-196.	0.0	2
46	Annulative π -Extension (APEX) Reactions for Precise Synthesis of Polycyclic Aromatic Compounds. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2020, 78, 671-682.	0.0	1
47	Oxidative Cross-Coupling Reaction by Gold/Selectfluor [®] Catalysis. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2013, 71, 1075-1076.	0.0	0
48	Synthesis and properties of helically-folded poly(arylenediethynylene)s. Polymer Chemistry, 2021, 12, 3290-3298.	1.9	0