

Hideaki Takano

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/7537364/publications.pdf>

Version: 2024-02-01

21
papers

405
citations

840776

11
h-index

888059

17
g-index

29
all docs

29
docs citations

29
times ranked

377
citing authors

#	ARTICLE	IF	CITATIONS
1	Very Important Publication: Iridium-Catalyzed Intramolecular Enantioselective C _{sp} ² -H Alkylation at the C ₂ Position of <i>N</i> -Alkynylindoles. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1131-1135.	4.3	73
2	Electrochemical Dearomative Dicarboxylation of Heterocycles with Highly Negative Reduction Potentials. <i>Journal of the American Chemical Society</i> , 2022, 144, 3685-3695.	13.7	67
3	Catalytic Enantioselective Synthesis of Axially Chiral Polycyclic Aromatic Hydrocarbons (PAHs) via Regioselective C-C Bond Activation of Biphenylenes. <i>Journal of the American Chemical Society</i> , 2020, 142, 4714-4722.	13.7	56
4	Cationic iridium-catalyzed C-H alkylation of 2-substituted pyridine N-oxides with acrylates. <i>Organic Chemistry Frontiers</i> , 2015, 2, 383-387.	4.5	31
5	Recent Advances of Biphenylene: Synthesis, Reactions and Uses. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 2871-2883.	2.4	31
6	Iridium-Catalyzed Formal [4 + 1] Cycloaddition of Biphenylenes with Alkenes Initiated by C-C Bond Cleavage for the Synthesis of 9,9-Disubstituted Fluorenes. <i>Organic Letters</i> , 2016, 18, 1860-1863.	4.6	24
7	β -Amino Acid Sulfonamides as Versatile Sulfonylation Reagents: Silver-Catalyzed Synthesis of Coumarins and Oxindoles by Radical Cyclization. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5905-5909.	2.4	20
8	Ir-Catalyzed Synthesis of Substituted Tribenzosilolepins by Dehydrogenative C-H/Si-H Coupling. <i>Journal of Organic Chemistry</i> , 2018, 83, 3426-3432.	3.2	17
9	Synthesis of Difluoroglycine Derivatives from Amines, Difluorocarbene, and CO ₂ : Computational Design, Scope, and Applications. <i>Chemistry - A European Journal</i> , 2021, 27, 10040-10047.	3.3	15
10	Intramolecular C-H Alkylation of <i>N</i> -Alkynylindoles: <i>Exo</i> and <i>Endo</i> Selective Cyclization According to the Choice of Metal Catalyst. <i>Advanced Synthesis and Catalysis</i> , 2017, 359, 1849-1853.	4.3	14
11	Regioselective Activation of a Sterically More Hindered C-C Bond of Biphenylenes Using an Alkene as Both a Directing Group and a Reaction Moiety. <i>Chemistry - A European Journal</i> , 2018, 24, 15173-15177.	3.3	12
12	Consecutive HDDA and TDDA reactions of silicon-tethered tetraynes for the synthesis of dibenzosilole-fused polycyclic compounds and their unique reactivity. <i>Chemical Science</i> , 2019, 10, 6715-6720.	7.4	12
13	Enantioselective Synthesis of Nine- to Eleven-Membered Cyclic Polyphenylenes Containing Heteroatoms by Catalytic Intramolecular [2+2+2] Cycloaddition. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 970-977.	2.7	9
14	Radical Difunctionalization of Gaseous Ethylene Guided by Quantum Chemical Calculations: Selective Incorporation of Two Molecules of Ethylene. <i>ACS Omega</i> , 2021, 6, 33846-33854.	3.5	7
15	DFT Studies on the Mechanism of the Iridium-Catalyzed Formal [4 + 1] Cycloaddition of Biphenylene with Alkenes. <i>ACS Omega</i> , 2017, 2, 5228-5234.	3.5	6
16	Gold-catalyzed dual C-C bond cleavage of biphenylenes bearing a pendant alkyne at ambient temperature. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 5826-5831.	2.8	6
17	Relativistic Effect on Homogeneous Catalytic Reaction by Cationic Iridium Catalysts. <i>Journal of Computer Chemistry Japan</i> , 2019, 18, 136-138.	0.1	2
18	Pt(II)-Chiral Diene-Catalyzed Enantioselective Formal [4+2] Cycloaddition Initiated by C-C Bond Cleavage and Elucidation of a Pt(II)/(IV) Cycle by DFT Calculations. <i>Organic Chemistry Frontiers</i> , 0, , .	4.5	2

#	ARTICLE	IF	CITATIONS
19	Carboxylation of a Palladacycle Formed via C(sp ³)-H Activation: Theory-Driven Reaction Design. <i>Chemistry - an Asian Journal</i> , 2021, 16, 4072-4080.	3.3	1
20	Synthesis of Difluoroglycine Derivatives from Amines, Difluorocarbene, and CO ₂ : Computational Design, Scope, and Applications. <i>Chemistry - A European Journal</i> , 2021, 27, 9965-9966.	3.3	0
21	Versatile Transformations of Biphenylenes by Transition-Metal Catalysts and Application for the Synthesis of Polycyclic Hydrocarbons. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2021, 79, 849-858.	0.1	0