

Takeru Torigoe

List of Publications by Year in descending order

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papers

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citing authors

#	ARTICLE	IF	CITATIONS
1	Catalytic Functionalization of Methyl Group on Silicon: Iridium-Catalyzed C(sp ³)â€“H Borylation of Methylchlorosilanes. <i>Journal of the American Chemical Society</i> , 2012, 134, 17416-17419.	13.7	90
2	Functionalization of Tetraorganosilanes and Permethyloligosilanes at a Methyl Group on Silicon via Iridium-Catalyzed C(sp ³)â€“H Borylation. <i>Organometallics</i> , 2013, 32, 6170-6173.	2.3	47
3	Iridium-catalysed borylation of sterically hindered C(sp ³)â€“H bonds: remarkable rate acceleration by a catalytic amount of potassium tert-butoxide. <i>Chemical Communications</i> , 2014, 50, 6333-6336.	4.1	42
4	Asymmetric Cycloisomerization of <i>o</i> -Alkenyl <i>N</i> -Methylanilines to Indolines by Iridiumâ€“Catalyzed C(sp ³)â€“H Addition to Carbonâ€“Carbon Double Bonds. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 14272-14276.	13.8	41
5	Recent progress of transition metal-catalysed regioselective Câ€“H transformations based on noncovalent interactions. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 4126-4134.	2.8	39
6	Utilization of a Trimethylsilyl Group as a Synthetic Equivalent of a Hydroxyl Group via Chemoselective C(sp ³)â€“H Borylation at the Methyl Group on Silicon. <i>Journal of Organic Chemistry</i> , 2017, 82, 2943-2956.	3.2	28
7	Iridiumâ€“Catalyzed Intramolecular Methoxy Câ€“H Addition to Carbonâ€“Carbon Triple Bonds: Direct Synthesis of 3-Substituted Benzofurans from <i>o</i> -Methoxyphenylalkynes. <i>Chemistry - A European Journal</i> , 2016, 22, 10415-10419.	3.3	27
8	Hydrogen-Bond-Controlled Formal <i>meta</i> -Selective Câ€“H Transformations and Regioselective Synthesis of Multisubstituted Aromatic Compounds. <i>Organic Letters</i> , 2019, 21, 1342-1346.	4.6	25
9	2-Position-Selective Trifluoromethylthiolation of Six-Membered Heteroaromatic Compounds. <i>Organic Letters</i> , 2019, 21, 4289-4292.	4.6	21
10	Copper-Catalyzed Tertiary Alkylative Cyanation for the Synthesis of Cyanated Peptide Building Blocks. <i>Journal of the American Chemical Society</i> , 2020, 142, 1692-1697.	13.7	19
11	A (Borylmethyl)silane Bearing Three Hydrolyzable Groups on Silicon: Synthesis via Iridium-Catalyzed C(sp ³)â€“H Borylation and Conversion to Functionalized Siloxanes. <i>Organometallics</i> , 2016, 35, 1601-1603.	2.3	17
12	Iridium-Catalyzed <i>ortho</i> -Câ€“H Borylation of Thioanisole Derivatives Using Bipyridine-Type Ligand. <i>Organic Letters</i> , 2020, 22, 3485-3489.	4.6	17
13	Iridiumâ€“Catalyzed C(sp ³)â€“H Addition of Methyl Ethers across Intramolecular Carbonâ€“Carbon Double Bonds Giving 2,3-Dihydrobenzofurans. <i>Advanced Synthesis and Catalysis</i> , 2019, 361, 4448-4453.	4.3	15
14	Control of Site-Selectivity in Hydrogen Atom Transfer by Electrostatic Interaction: Proximal-Selective C(sp ³)â€“H Alkylation of 2-Methylanilinium Salts Using a Decatungstate Photocatalyst. <i>ACS Catalysis</i> , 2022, 12, 3058-3062.	11.2	14
15	Iridiumâ€“Catalyzed C(sp ³)â€“H Borylation Using Silylâ€“Bipyridine Pincer Ligands. <i>Angewandte Chemie - International Edition</i> , 2022, 61, .	13.8	14
16	Regioselective Câ€“H Trifluoromethylation of Aromatic Compounds by Inclusion in Cyclodextrins. <i>Organic Letters</i> , 2021, 23, 4327-4331.	4.6	12
17	Asymmetric Cycloisomerization of <i>o</i> -Alkenyl <i>N</i> -Methylanilines to Indolines by Iridiumâ€“Catalyzed C(sp ³)â€“H Addition to Carbonâ€“Carbon Double Bonds. <i>Angewandte Chemie</i> , 2017, 129, 14460-14464.	2.0	9
18	Intramolecular Addition of a Dimethylamino C(sp ³)â€“H Bond across Câ€“C Triple Bonds Using IrCl(DTBM-SEGPHOS)(ethylene) Catalyst: Synthesis of Indoles from 2-Alkynyl <i>N</i> -methylanilines. <i>Synthesis</i> , 2021, 53, 3057-3064.	2.3	7

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19	Manganese/bipyridine-catalyzed non-directed C(sp ³)-H bromination using NBS and TMSN ₃ . Beilstein Journal of Organic Chemistry, 2021, 17, 885-890.	2.2	6
20	Urea-accelerated Iridium-catalyzed 2-Position-selective C-H Borylation of Indole Derivatives. Chemistry Letters, 2021, 50, 808-811.	1.3	2
21	Iridium-Catalyzed C(sp ³)-H Borylation Using Silyl-Bipyridine Pincer Ligands. Angewandte Chemie, 0, , .	2.0	1