

Yuto Sumida

List of Publications by Year in descending order

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Version: 2024-02-01

36
papers

1,205
citations

361413

20
h-index

377865

34
g-index

46
all docs

46
docs citations

46
times ranked

1310
citing authors

#	ARTICLE	IF	CITATIONS
1	Direct excitation strategy for radical generation in organic synthesis. <i>Chemical Society Reviews</i> , 2021, 50, 6320-6332.	38.1	103
2	Generation of Arynes via Ate Complexes of Arylboronic Esters with an <i>ortho</i> -Leaving Group. <i>Organic Letters</i> , 2013, 15, 2806-2809.	4.6	73
3	Boron-Selective Biaryl Coupling Approach to Versatile Dibenzoxaborins and Application to Concise Synthesis of Defucogilvocarcin M. <i>Organic Letters</i> , 2014, 16, 6240-6243.	4.6	71
4	Palladium-Catalyzed Regio- and Stereoselective Hydrosilylation of Electron-Deficient Alkynes. <i>Organic Letters</i> , 2012, 14, 1552-1555.	4.6	69
5	Generation of Alkyl Radical through Direct Excitation of Boracene-Based Alkylborate. <i>Journal of the American Chemical Society</i> , 2020, 142, 9938-9943.	13.7	69
6	Light-Driven <i>N</i> -Heterocyclic Carbene Catalysis Using Alkylborates. <i>ACS Catalysis</i> , 2021, 11, 12886-12892.	11.2	67
7	Selective inhibition of the kinase DYRK1A by targeting its folding process. <i>Nature Communications</i> , 2016, 7, 11391.	12.8	66
8	Prenatal neurogenesis induction therapy normalizes brain structure and function in Down syndrome mice. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, 10268-10273.	7.1	66
9	Nickel-Catalyzed Borylative Ring-Opening Reaction of Vinylcyclopropanes with Bis(pinacolato)diboron Yielding Allylic Boronates. <i>Organic Letters</i> , 2008, 10, 4677-4679.	4.6	63
10	Palladium-Catalyzed Preparation of Silyl Enolates from α,β -Unsaturated Ketones or Cyclopropyl Ketones with Hydrosilanes. <i>Journal of Organic Chemistry</i> , 2009, 74, 7986-7989.	3.2	53
11	Nickel-Catalyzed Allylation of Allyl Carbonates with Homoallyl Alcohols via Retro-Allylation Providing 1,5-Hexadienes. <i>Organic Letters</i> , 2008, 10, 1629-1632.	4.6	50
12	An Alternative Method for Generating Arynes from <i>ortho</i> -Silylaryl Triflates: Activation by Cesium Carbonate in the Presence of a Crown Ether. <i>Molecules</i> , 2015, 20, 10131-10140.	3.8	50
13	Organic Photoredox-Catalyzed Silyl Radical Generation from Silylboronate. <i>ACS Catalysis</i> , 2022, 12, 7804-7810.	11.2	49
14	Preparation of Aryne-Nickel Complexes from <i>ortho</i> -Borylaryl Triflates. <i>Organic Letters</i> , 2016, 18, 5600-5603.	4.6	43
15	Nickel-Catalyzed Borylation of Aryl Cyclopropyl Ketones with Bis(pinacolato)diboron to Synthesize 4-Oxoalkylboronates. <i>Journal of Organic Chemistry</i> , 2009, 74, 3196-3198.	3.2	41
16	Primer Preactivation of Peptidoglycan Polymerases. <i>Journal of the American Chemical Society</i> , 2011, 133, 8528-8530.	13.7	33
17	Rhodium-Catalyzed Allylation of Aldehydes with Homoallylic Alcohols by Retroallylation and Isomerization to Saturated Ketones with Conventional or Microwave Heating. <i>Chemistry - an Asian Journal</i> , 2008, 3, 119-125.	3.3	31
18	Identification of a DYRK1A Inhibitor that Induces Degradation of the Target Kinase using Co-chaperone CDC37 fused with Luciferase nanoKAZ. <i>Scientific Reports</i> , 2015, 5, 12728.	3.3	31

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19	Design and synthesis of a potent inhibitor of class 1 DYRK kinases as a suppressor of adipogenesis. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 4434-4441.	3.0	26
20	Nickel-Catalyzed Arylative Ring-Opening of 3-Methylenecycloalkane-1,1-dicarboxylates. <i>Organic Letters</i> , 2010, 12, 2254-2257.	4.6	25
21	Generation of Functionalized Alkyl Radicals via the Direct Photoexcitation of 2,2- α^2 -(Pyridine-2,6-diyl)diphenol-Based Borates. <i>Organic Letters</i> , 2021, 23, 5865-5870.	4.6	21
22	Concise Synthesis of <i>trans</i> -Coelenterazines. <i>Organic Letters</i> , 2015, 17, 3888-3891.	4.6	17
23	Discrepancy of the spectral data between adunctin E and the synthetic one. <i>Tetrahedron Letters</i> , 2007, 48, 5619-5622.	1.4	12
24	Synthesis of Dibenzofurans by Cu-Catalyzed Deborylative Ring Contraction of Dibenzoxaborins. <i>Organic Letters</i> , 2020, 22, 6687-6691.	4.6	12
25	Nickel-Catalyzed Reductive Cross-Coupling of Aryl Triflates and Nonafates with Alkyl Iodides. <i>Synthesis</i> , 2017, 49, 3590-3601.	2.3	11
26	Boracene-based alkylborate enabled Ni/Ir hybrid catalysis. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 6598-6601.	2.8	11
27	Hydrosilyl Group-directed Iridium-catalyzed <i>peri</i> -Selective C-H Borylation of Ring-fused (Hetero)Arenes. <i>Chemistry Letters</i> , 2018, 47, 1251-1254.	1.3	9
28	Direct Photoexcitation of Borate Enabling Minisci Reaction. <i>Asian Journal of Organic Chemistry</i> , 2022, 11, .	2.7	8
29	Radical Addition of Polyhaloalkanes to 2-Ethynyl-4,4,5,5-tetramethyl-1,3,2-dioxaborolane. <i>Bulletin of the Chemical Society of Japan</i> , 2009, 82, 1433-1435.	3.2	6
30	Structure-activity relationship for the folding intermediate-selective inhibition of DYRK1A. <i>European Journal of Medicinal Chemistry</i> , 2022, 227, 113948.	5.5	6
31	Aliphatic Oxaboroles Enabling Remarkable Recognition of Diols. <i>Bulletin of the Chemical Society of Japan</i> , 2020, 93, 576-580.	3.2	5
32	A study on an unusual SN2 mechanism in the methylation of benzyne through nickel-complexation. <i>Physical Chemistry Chemical Physics</i> , 2017, 19, 26926-26933.	2.8	4
33	Fluorescent-Oxaboroles: Synthesis and Optical Property by Sugar Recognition. <i>Chemical and Pharmaceutical Bulletin</i> , 2021, 69, 526-528.	1.3	2
34	Direct Photoexcitable Iodomethylborate Enabling Cyclopropanation of Reactive Alkenes. <i>Bulletin of the Chemical Society of Japan</i> , 2022, 95, 1001-1005.	3.2	2
35	Asymmetric Synthesis based on the Formation of Chiral Boron π -Alkyne Complex. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2012, 70, 854-855.	0.1	0
36	Prenatal neurogenesis induction therapy normalizes brain structure and functions in Down syndrome mice. <i>Proceedings for Annual Meeting of the Japanese Pharmacological Society</i> , 2018, WCP2018, OR24-5.	0.0	0