

# Sehoon Park

## List of Publications by Year in descending order

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30  
papers

1,529  
citations

361413

20  
h-index

434195

31  
g-index

31  
all docs

31  
docs citations

31  
times ranked

1395  
citing authors

#	ARTICLE	IF	CITATIONS
1	An Efficient Iridium Catalyst for Reduction of Carbon Dioxide to Methane with Trialkylsilanes. <i>Journal of the American Chemical Society</i> , 2012, 134, 11404-11407.	13.7	233
2	Catalytic Dearomatization of N-Heteroarenes with Silicon and Boron Compounds. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 7720-7738.	13.8	160
3	Development and Mechanistic Investigation of a Highly Efficient Iridium(V) Silyl Complex for the Reduction of Tertiary Amides to Amines. <i>Journal of the American Chemical Society</i> , 2012, 134, 640-653.	13.7	156
4	Hydrosilylation of Carbonyl-Containing Substrates Catalyzed by an Electrophilic $\sigma$ -Silane Iridium(III) Complex. <i>Organometallics</i> , 2010, 29, 6057-6064.	2.3	137
5	Boron-Catalyzed Silylative Reduction of Quinolines: Selective $sp^3$ C-Si Bond Formation. <i>Journal of the American Chemical Society</i> , 2014, 136, 16780-16783.	13.7	113
6	Catalytic Access to Bridged Sila-N-heterocycles from Piperidines via Cascade $sp^3$ and $sp^2$ C-Si Bond Formation. <i>Journal of the American Chemical Society</i> , 2018, 140, 13209-13213.	13.7	108
7	Borane catalysed ring opening and closing cascades of furans leading to silicon functionalized synthetic intermediates. <i>Nature Communications</i> , 2016, 7, 13431.	12.8	61
8	Hydrosilylation of epoxides catalyzed by a cationic $\sigma$ -1-silane iridium(iii) complex. <i>Chemical Communications</i> , 2011, 47, 3643.	4.1	55
9	Katalytische Desaromatisierung von N-Heteroarenen mit Silicium- und Borverbindungen. <i>Angewandte Chemie</i> , 2017, 129, 7828-7847.	2.0	50
10	Alkoxide-Promoted Selective Hydroboration of N-Heteroarenes: Pivotal Roles of in situ Generated $BH_3$ in the Dearomatization Process. <i>Chemistry - A European Journal</i> , 2019, 25, 6320-6325.	3.3	43
11	Iridium-catalyzed selective 1,2-hydrosilylation of N-heterocycles. <i>Chemical Science</i> , 2016, 7, 5362-5370.	7.4	38
12	Selective C=O Bond Cleavage of Sugars with Hydrosilanes Catalyzed by Piers™ Borane Generated In Situ. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 13757-13761.	13.8	34
13	Recent advances in transition metal-free catalytic hydroelementation (E = B, Si, Ge, and Sn) of alkynes. <i>RSC Advances</i> , 2020, 10, 43539-43565.	3.6	32
14	Recent Advances in Catalytic Dearomative Hydroboration of N-Heteroarenes. <i>ChemCatChem</i> , 2020, 12, 3170-3185.	3.7	31
15	Reductive Carbocyclization of Homoallylic Alcohols to $\gamma$ -Cyclobutanes by a Boron-Catalyzed Dual Ring-Closing Pathway. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2692-2696.	13.8	28
16	Piers™ borane-mediated hydrosilylation of epoxides and cyclic ethers. <i>Chemical Communications</i> , 2018, 54, 7243-7246.	4.1	26
17	Recent Advances in Metal-Catalyzed Asymmetric Hydroboration of Ketones. <i>ChemCatChem</i> , 2021, 13, 1898-1919.	3.7	26
18	Boron-Catalyzed Hydrogenative Reduction of Substituted Quinolines to Tetrahydroquinolines with Hydrosilanes. <i>Synlett</i> , 2017, 28, 2396-2400.	1.8	25

#	ARTICLE	IF	CITATIONS
19	Silylative Reductive Amination of $\alpha,\beta$ -Unsaturated Aldehydes: A Convenient Synthetic Route to $\alpha$ -Silylated Secondary Amines. <i>Chemistry - A European Journal</i> , 2018, 24, 5765-5769.	3.3	23
20	$B(C_6F_5)_3$ -Catalyzed $sp^3$ - $C\equiv Si$ Bond Forming Consecutive Reactions. <i>Chinese Journal of Chemistry</i> , 2019, 37, 1057-1071.	4.9	21
21	Double Hydroboration of Quinolines <i>via</i> Borane Catalysis: Diastereoselective One Pot Synthesis of $\beta$ -Hydroxytetrahydroquinolines. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 308-313.	4.3	21
22	Dual reactivity of $B(C_6F_5)_3$ enables the silylative cascade conversion of <i>N</i> -aryl piperidines to sila-N-heterocycles: DFT calculations. <i>Organic Chemistry Frontiers</i> , 2020, 7, 944-952.	4.5	20
23	Sequential $C\equiv H$ Borylation and $N$ -Demethylation of 1,1'-Biphenylamines: Alternative Route to Polycyclic $BN$ -Heteroarenes. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 7361-7365.	13.8	17
24	Catalytic Reduction of Cyclic Ethers with Hydrosilanes. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2048-2066.	3.3	14
25	Selective $C\equiv O$ Bond Cleavage of Sugars with Hydrosilanes Catalyzed by Piers's Borane Generated <i>In Situ</i> . <i>Angewandte Chemie</i> , 2017, 129, 13945-13949.	2.0	11
26	Light-mediated olefin coordination polymerization and photoswitches. <i>Organic Chemistry Frontiers</i> , 2020, 7, 2088-2106.	4.5	10
27	Reductive Carbocyclization of Homoallylic Alcohols to <i>syn</i> -Cyclobutanes by a Boron-Catalyzed Dual Ring-Closing Pathway. <i>Angewandte Chemie</i> , 2018, 130, 2722-2726.	2.0	8
28	Metal-Free Carbocyclization of Homoallylic Silyl Ethers Leading to Cyclopropanes and Cyclobutanes. <i>Asian Journal of Organic Chemistry</i> , 2019, 8, 1637-1640.	2.7	5
29	Comparative DFT Study on Dehydrogenative $C(sp)^H$ Elementation ( $E = Si, Ge, \text{ and } Sn$ ) of Terminal Alkynes Catalyzed by a Cationic Ruthenium(II) Thiolate Complex. <i>Inorganic Chemistry</i> , 2021, 60, 6228-6238.	4.0	4
30	Sequential $C\equiv H$ Borylation and $N$ -Demethylation of 1,1'-Biphenylamines: Alternative Route to Polycyclic $BN$ -Heteroarenes. <i>Angewandte Chemie</i> , 2019, 131, 7439-7443.	2.0	2