

Sunkyu Han

List of Publications by Year in descending order

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34
papers

813
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687363

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34
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34
times ranked

926
citing authors

#	ARTICLE	IF	CITATIONS
1	Concise Total Synthesis and Stereochemical Revision of all (âˆ™)-Trigonoliimines. <i>Journal of the American Chemical Society</i> , 2011, 133, 10768-10771.	13.7	114
2	Asymmetric Catalysis at a Distance: Catalytic, Site-Selective Phosphorylation of Teicoplanin. <i>Journal of the American Chemical Society</i> , 2013, 135, 12414-12421.	13.7	88
3	Total synthesis of all (âˆ™)-agelastatin alkaloids. <i>Chemical Science</i> , 2010, 1, 561.	7.4	87
4	Total Synthesis, Stereochemical Assignment, and Biological Activity of All Known (âˆ™)-Trigonoliimines. <i>Journal of Organic Chemistry</i> , 2014, 79, 473-486.	3.2	67
5	Synthesis and Anticancer Activity of All Known (âˆ™)-Agelastatin Alkaloids. <i>Journal of Organic Chemistry</i> , 2013, 78, 11970-11984.	3.2	61
6	Platycodin D, a natural component of <i>Platycodon grandiflorum</i> , prevents both lysosome- and TMPRSS2-driven SARS-CoV-2 infection by hindering membrane fusion. <i>Experimental and Molecular Medicine</i> , 2021, 53, 956-972.	7.7	49
7	An Accelerated Intermolecular Rauhuâ€™Carrier Reaction Enables the Total Synthesis of (âˆ™)-Flueggeine C. <i>Journal of the American Chemical Society</i> , 2017, 139, 6302-6305.	13.7	47
8	Biosynthetically Inspired Transformation of Iboga to Monomeric Post-iboga Alkaloids. <i>CheM</i> , 2019, 5, 353-363.	11.7	30
9	Design, synthesis, and biological evaluation of C7-functionalized DMXAA derivatives as potential human-STING agonists. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 1869-1874.	2.8	28
10	X-ray Crystal Structure of Teicoplanin A ₂ Bound to a Catalytic Peptide Sequence via the Carrier Protein Strategy. <i>Journal of Organic Chemistry</i> , 2014, 79, 8550-8556.	3.2	23
11	Biopatterned Reorganization of Alkaloids Enabled by Ring-Opening Functionalization of Tertiary Amines. <i>Journal of the American Chemical Society</i> , 2021, 143, 19966-19974.	13.7	23
12	Biosynthetically Inspired Syntheses of Secuâ€™amamine A and Fluvirosaoes A and B. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6894-6901.	13.8	22
13	(+)-Dimericbiscognienyne A: Total Synthesis and Mechanistic Investigations of the Key Heterodimerization. <i>Organic Letters</i> , 2018, 20, 6886-6890.	4.6	21
14	Syntheses of Dimeric Securinega Alkaloids. <i>Synlett</i> , 2017, 28, 2353-2359.	1.8	18
15	Total syntheses of spirocyclic PKS-NRPS-based fungal metabolites. <i>Chemical Communications</i> , 2018, 54, 6750-6758.	4.1	13
16	Syntheses of Post-Iboga Alkaloids. <i>Synthesis</i> , 2019, 51, 2737-2758.	2.3	13
17	Total synthesis of dimeric Securinega alkaloids (âˆ™)-flueggeines D and I. <i>Chemical Science</i> , 2020, 11, 10934-10938.	7.4	13
18	Synthesis of Dimeric Securinega Alkaloid Flueggeacosine B: From Pd-Catalyzed Cross-Coupling to Cu-Catalyzed Cross-Dehydrogenative Coupling. <i>Journal of the American Chemical Society</i> , 2022, 144, 8932-8937.	13.7	13

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19	Six-Step Total Synthesis of Azaspirene. <i>Journal of Organic Chemistry</i> , 2017, 82, 9335-9341.	3.2	12
20	Biomimetic total synthesis of (±)-berkeleyamide D. <i>Organic Chemistry Frontiers</i> , 2017, 4, 506-509.	4.5	11
21	The Chemistry of High-Oxidation State Securinega Alkaloids. <i>European Journal of Organic Chemistry</i> , 2021, 2021, 1508-1520.	2.4	11
22	Total Synthesis of (±)-FD-838 and (±)-Cephalimysin A. <i>Organic Letters</i> , 2019, 21, 6045-6049.	4.6	7
23	On the Erosion of Enantiopurity of Rhodonoids via Their Asymmetric Total Synthesis. <i>Organic Letters</i> , 2022, 24, 2181-2185.	4.6	7
24	Dimerization Strategies for the Synthesis of High-Order Securinega Alkaloids. <i>Journal of Organic Chemistry</i> , 2019, 84, 1398-1406.	3.2	6
25	Lithiation and electrophilic substitution of dimethyl triazones. <i>Tetrahedron Letters</i> , 2012, 53, 3722-3726.	1.4	5
26	Total Synthesis of (+)-Pestalofone A and (+)-Iso-A82775C. <i>Journal of Organic Chemistry</i> , 2020, 85, 6815-6821.	3.2	5
27	Calculation-Assisted Stereochemical Analysis of Securingine A. <i>Bulletin of the Korean Chemical Society</i> , 2021, 42, 486-488.	1.9	5
28	Synthesis and structure-activity relationship study of saponin-based membrane fusion inhibitors against SARS-CoV-2. <i>Bioorganic Chemistry</i> , 2022, 127, 105985.	4.1	4
29	Total Synthesis of Cinnamodial-Based Dimer (±)-Capsicodendrin. <i>Journal of Organic Chemistry</i> , 2020, 85, 7576-7582.	3.2	3
30	Biosynthetically Inspired Syntheses of Secuamamine A and Fluvirosaines A and B. <i>Angewandte Chemie</i> , 2020, 132, 6961-6968.	2.0	3
31	Synthesis of Pentacyclic Framework of Herquline A. <i>Chemistry - an Asian Journal</i> , 2021, 16, 3882-3885.	3.3	3
32	Synthesis and Reactivity of 1-Hydroxyherquline A. <i>Organic Letters</i> , 2022, 24, 1964-1968.	4.6	1
33	Synthesis of types II and III post-iboga alkaloids. <i>Strategies and Tactics in Organic Synthesis</i> , 2019, 14, 35-59.	0.1	0
34	Alkylidene Carbene from Silyl Vinyl Iodide Provides Mechanistic Insights on Trimethylenemethane Diyl-Mediated Tandem Cyclizations. <i>Organic Letters</i> , 2022, 24, 4399-4403.	4.6	0