

Heung Sik Hahm

List of Publications by Year in descending order

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33
papers

3,964
citations

236925

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docs citations

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times ranked

4529
citing authors

#	ARTICLE	IF	CITATIONS
1	Induction of Pluripotent Stem Cells from Mouse Embryonic Fibroblasts by Oct4 and Klf4 with Small-Molecule Compounds. <i>Cell Stem Cell</i> , 2008, 3, 568-574.	11.1	837
2	A Combined Chemical and Genetic Approach for the Generation of Induced Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2008, 2, 525-528.	11.1	664
3	A chemical platform for improved induction of human iPSCs. <i>Nature Methods</i> , 2009, 6, 805-808.	19.0	548
4	Revealing a core signaling regulatory mechanism for pluripotent stem cell survival and self-renewal by small molecules. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2010, 107, 8129-8134.	7.1	312
5	Identification of carbohydrate anomers using ion mobility mass spectrometry. <i>Nature</i> , 2015, 526, 241-244.	27.8	287
6	Automated Solid-Phase Synthesis of Chondroitin Sulfate Glycosaminoglycans. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 5858-5861.	13.8	150
7	Global targeting of functional tyrosines using sulfur-triazole exchange chemistry. <i>Nature Chemical Biology</i> , 2020, 16, 150-159.	8.0	127
8	Glycan Fingerprinting via Cold-Atom Infrared Spectroscopy. <i>Angewandte Chemie - International Edition</i> , 2017, 56, 11248-11251.	13.8	116
9	Automated glycan assembly using the Glyconeer 2.1 synthesizer. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2017, 114, E3385-E3389.	7.1	92
10	Efficient Synthesis of Enantiomerically Pure 2-Acylaziridines: Facile Syntheses of N-Boc-safingol, N-Boc-d-erythro-sphinganine, and N-Boc-spisulosine from a Common Intermediate. <i>Journal of Organic Chemistry</i> , 2003, 68, 7675-7680.	3.2	91
11	A semisynthetic <i>Streptococcus pneumoniae</i> serotype 8 glycoconjugate vaccine. <i>Science Translational Medicine</i> , 2017, 9, .	12.4	73
12	Microbe-focused glycan array screening platform. <i>Proceedings of the National Academy of Sciences of the United States of America</i> , 2019, 116, 1958-1967.	7.1	71
13	Automated assembly of oligosaccharides containing multiple cis-glycosidic linkages. <i>Nature Communications</i> , 2016, 7, 12482.	12.8	70
14	Automated Glycan Assembly of Oligo-N-Acetylglucosamine and Keratan Sulfate Probes to Study Virus-Glycan Interactions. <i>Chem</i> , 2017, 2, 114-124.	11.7	54
15	Combination of automated solid-phase and enzymatic oligosaccharide synthesis provides access to β -(2,3)-sialylated glycans. <i>Chemical Communications</i> , 2015, 51, 6183-6185.	4.1	48
16	Pushing the limits of automated glycan assembly: synthesis of a 50mer polymannoside. <i>Chemical Communications</i> , 2017, 53, 9085-9088.	4.1	47
17	Automated Glycan Assembly of Oligosaccharides Related to Arabinogalactan Proteins. <i>Organic Letters</i> , 2015, 17, 4344-4347.	4.6	44
18	Modular automated solid phase synthesis of dermatan sulfate oligosaccharides. <i>Chemical Communications</i> , 2014, 50, 1875-1877.	4.1	42

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19	Glycan Isomer Identification Using Ultraviolet Photodissociation Initiated Radical Chemistry. <i>Analytical Chemistry</i> , 2018, 90, 11581-11588.	6.5	39
20	A General Method for Synthesis of GPI Anchors Illustrated by the Total Synthesis of the Low-Molecular-Weight Antigen from <i>Toxoplasma gondii</i> . <i>Angewandte Chemie - International Edition</i> , 2011, 50, 9961-9964.	13.8	38
21	Lewis acid-catalyzed stereospecific ring expansion of aziridine-2-carboxylates to imidazolidin-2-ones. <i>Chemical Communications</i> , 2005, , 3062.	4.1	33
22	An efficient synthesis of chiral terminal 1,2-diamines using an enantiomerically pure [1-(1 ^R -methylbenzyl)aziridine-2-yl]methanol. <i>Tetrahedron</i> , 2006, 62, 8393-8397.	1.9	32
23	Automated Glycan Assembly of Complex Oligosaccharides Related to Blood Group Determinants. <i>Journal of Organic Chemistry</i> , 2016, 81, 5866-5877.	3.2	29
24	Automated solid-phase synthesis of oligosaccharides containing sialic acids. <i>Beilstein Journal of Organic Chemistry</i> , 2015, 11, 617-621.	2.2	28
25	Automated glycan assembly of branched β -(1,3)-glucans to identify antibody epitopes. <i>Chemical Communications</i> , 2017, 53, 3591-3594.	4.1	28
26	Automated glycan assembly of a <i>S. pneumoniae</i> serotype 3 CPS antigen. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 1440-1446.	2.2	20
27	Total Synthesis of the <i>Escherichia coli</i> O111 α -Specific Polysaccharide Repeating Unit. <i>Chemistry - A European Journal</i> , 2013, 19, 3995-4002.	3.3	17
28	Automated Synthesis of Chondroitin Sulfate Oligosaccharides. <i>Methods in Molecular Biology</i> , 2015, 1229, 3-10.	0.9	11
29	Discovery of a Cell-Active SuTEx Ligand of Prostaglandin Reductase 2. <i>ChemBioChem</i> , 2021, 22, 2134-2139.	2.6	10
30	A Combined Chemical and Genetic Approach for the Generation of Induced Pluripotent Stem Cells. <i>Cell Stem Cell</i> , 2008, 3, 119.	11.1	4
31	Automated Synthesis of Chondroitin Sulfate Oligosaccharides. <i>Methods in Molecular Biology</i> , 2022, 2303, 319-327.	0.9	2
32	Efficient Synthesis of Enantiomerically Pure 2-Acylaziridines: Facile Syntheses of N-Boc-safingol (XII), N-Boc-D-erythro-sphinganine (X), and N-Boc-spisulosine (VIIIa) from a Common Intermediate.. <i>ChemInform</i> , 2004, 35, no.	0.0	0
33	Lewis Acid-Catalyzed Stereospecific Ring Expansion of Aziridine-2-carboxylates to Imidazolidin-2-ones.. <i>ChemInform</i> , 2005, 36, no.	0.0	0