Heung Sik Hahm

List of Publications by Year
in descending order

33	3,964	236925	434195
papers	citations	25 h-index	31 g-index

35	35	35	4529
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Automated Synthesis of Chondroitin Sulfate Oligosaccharides. Methods in Molecular Biology, 2022, 2303, 319-327.	0.9	2
2	Discovery of a Cellâ€Active SuTEx Ligand of Prostaglandin Reductase 2. ChemBioChem, 2021, 22, 2134-2139.	2.6	10
3	Global targeting of functional tyrosines using sulfur-triazole exchange chemistry. Nature Chemical Biology, 2020, 16, 150-159.	8.0	127
4	Microbe-focused glycan array screening platform. Proceedings of the National Academy of Sciences of the United States of America, 2019, 116, 1958-1967.	7.1	71
5	Glycan Isomer Identification Using Ultraviolet Photodissociation Initiated Radical Chemistry. Analytical Chemistry, 2018, 90, 11581-11588.	6.5	39
6	A semisynthetic Streptococcus pneumoniae serotype 8 glycoconjugate vaccine. Science Translational Medicine, 2017, 9, .	12.4	73
7	Automated Glycan Assembly of Oligo-N-Acetyllactosamine and Keratan Sulfate Probes to Study Virus-Glycan Interactions. CheM, 2017, 2, 114-124.	11.7	54
8	Automated glycan assembly of branched Î²-(1,3)-glucans to identify antibody epitopes. Chemical Communications, 2017, 53, 3591-3594.	4.1	28
9	Automated glycan assembly using the Glyconeer 2.1 synthesizer. Proceedings of the National Academy of Sciences of the United States of America, 2017, 114, E3385-E3389.	7.1	92
10	Glycan Fingerprinting via Coldâ€Ion Infrared Spectroscopy. Angewandte Chemie - International Edition, 2017, 56, 11248-11251.	13.8	116
11	Pushing the limits of automated glycan assembly: synthesis of a 50mer polymannoside. Chemical Communications, 2017, 53, 9085-9088.	4.1	47
12	Automated glycan assembly of a S. pneumoniae serotype 3 CPS antigen. Beilstein Journal of Organic Chemistry, 2016, 12, 1440-1446.	2.2	20
13	Automated assembly of oligosaccharides containing multiple cis-glycosidic linkages. Nature Communications, 2016, 7, 12482.	12.8	70
14	Automated Glycan Assembly of Complex Oligosaccharides Related to Blood Group Determinants. Journal of Organic Chemistry, 2016, 81, 5866-5877.	3.2	29
15	Automated solid-phase synthesis of oligosaccharides containing sialic acids. Beilstein Journal of Organic Chemistry, 2015, 11, 617-621.	2.2	28
16	Identification of carbohydrate anomers using ion mobilityâ€“mass spectrometry. Nature, 2015, 526, 241-244.	27.8	287
17	Automated Glycan Assembly of Oligosaccharides Related to Arabinogalactan Proteins. Organic Letters, 2015, 17, 4344-4347.	4.6	44
18	Combination of automated solid-phase and enzymatic oligosaccharide synthesis provides access to Î±(2,3)-sialylated glycans. Chemical Communications, 2015, 51, 6183-6185.	4.1	48

#	Article	IF	Citations
19	Automated Synthesis of Chondroitin Sulfate Oligosaccharides. Methods in Molecular Biology, 2015, 1229, 3-10.	0.9	11
20	Modular automated solid phase synthesis of dermatan sulfate oligosaccharides. Chemical Communications, 2014, 50, 1875-1877.	4.1	42
21	Total Synthesis of the Escherichia coli O111 Oâ€Specific Polysaccharide Repeating Unit. Chemistry - A European Journal, 2013, 19, 3995-4002.	3.3	17
22	Automated Solidâ€Phase Synthesis of Chondroitin Sulfate Glycosaminoglycans. Angewandte Chemie - International Edition, 2013, 52, 5858-5861.	13.8	150
23	A General Method for Synthesis of GPI Anchors Illustrated by the Total Synthesis of the Lowâ€Molecularâ€Weight Antigen from Toxoplasma gondii. Angewandte Chemie - International Edition, 2011, 50, 9961-9964.	13.8	38
24	Revealing a core signaling regulatory mechanism for pluripotent stem cell survival and self-renewal by small molecules. Proceedings of the National Academy of Sciences of the United States of America, 2010, 107, 8129-8134.	7.1	312
25	A chemical platform for improved induction of human iPSCs. Nature Methods, 2009, 6, 805-808.	19.0	548
26	A Combined Chemical and Genetic Approach for the Generation of Induced Pluripotent Stem Cells. Cell Stem Cell, 2008, 2, 525-528.	11.1	664
27	A Combined Chemical and Genetic Approach for the Generation of Induced Pluripotent Stem Cells. Cell Stem Cell, 2008, 3, 119.	11.1	4
28	Induction of Pluripotent Stem Cells from Mouse Embryonic Fibroblasts by Oct4 and Klf4 with Small-Molecule Compounds. Cell Stem Cell, 2008, 3, 568-574.	11.1	837
29	An efficient synthesis of chiral terminal 1,2-diamines using an enantiomerically pure [1-(1â€²R)-methylbenzyl]aziridine-2-yl]methanol. Tetrahedron, 2006, 62, 8393-8397.	1.9	32
30	Lewis Acid-Catalyzed Stereospecific Ring Expansion of Aziridine-2-carboxylates to Imidazolidin-2-ones.. ChemInform, 2005, 36, no.	0.0	0
31	Lewis acid-catalyzed stereospecific ring expansion of aziridine-2-carboxylates to imidazolidin-2-ones. Chemical Communications, 2005, , 3062.	4.1	33
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.. ChemInform, 2004, 35, no.	0.0	0
33	Efficient Synthesis of Enantiomerically Pure 2-Acylaziridines:Â Facile Syntheses ofN-Boc-safingol,N-Boc-d-erythro-sphinganine, andN-Boc-spisulosine from a Common Intermediate. Journal of Organic Chemistry, 2003, 68, 7675-7680.	3.2	91