Daisuke Takahashi

List of Publications by Year
in descending order

90	1,745	279701 23	315616 38
papers	citations	h-index	g-index

108	108	108	1385
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Selfâ€Assembling Properties and Recovery Effects on Damaged Skin Cells of Chemically Synthesized Mannosylerythritol Lipids. ChemBioChem, 2022, 23, .	1.3	9
2	Recent advances in boron-mediated aglycon delivery (BMAD) for the efficient synthesis of 1,2-cis glycosides. Carbohydrate Research, 2022, 518, 108579.	1.1	6
3	Efficient Strategy for the Preparation of Chemical Probes of Biologically Active Glycosides Using a Boron-Mediated Aglycon Delivery (BMAD) Method. Bulletin of the Chemical Society of Japan, 2022, 95, 1075-1082.	2.0	1
4	Synthesis of a Pentasaccharide Repeating Unit of Lipopolysaccharide Derived from Virulent E. coli O1 and Identification of a Glycotope Candidate of Avian Pathogenic E. coli O1. Angewandte Chemie, 2021, 133, 1817-1824.	1.6	2
5	Synthesis of a Pentasaccharide Repeating Unit of Lipopolysaccharide Derived from Virulent E. coli O1 and Identification of a Glycotope Candidate of Avian Pathogenic E. coli O1. Angewandte Chemie - International Edition, 2021, 60, 1789-1796.	7.2	9
6	Synthesis of low-molecular weight fucoidan derivatives and their binding abilities to SARS-CoV-2 spike proteins. RSC Medicinal Chemistry, 2021, 12, 2016-2021.	1.7	9
7	InnenrÃ¼cktitelbild: Synthesis of a Pentasaccharide Repeating Unit of Lipopolysaccharide Derived from Virulent E. coli O1 and Identification of a Glycotope Candidate of Avian Pathogenic E. coli O1 (Angew. Chem. 4/2021). Angewandte Chemie, 2021, 133, 2195-2195.	1.6	0
8	Hypocrellin B-based activatable photosensitizers for specific photodynamic effects against high H₂O₂-expressing cancer cells. Chemical Communications, 2021, 58, 242-245.	2.2	5
9	Photo-induced glycosylation using a diaryldisulfide as an organo-Lewis photoacid catalyst. Organic and Biomolecular Chemistry, 2020, 18, 851-855.	1.5	11
10	Diboron-Catalyzed Regio- and 1,2-cis-Î±-Stereoselective Glycosylation of trans-1,2-Diols. Journal of Organic Chemistry, 2020, 85, 16254-16262.	1.7	19
11	Diastereoselective desymmetric 1,2-cis-glycosylation of meso-diols via chirality transfer from a glycosyl donor. Nature Communications, 2020, 11, 2431.	5.8	24
12	2â€Naphthol Moiety of Neocarzinostatin Chromophore as a Novel Proteinâ€Photodegrading Agent and Its Application as a H2O2â€Activatable Photosensitizer. Chemistry - A European Journal, 2020, 26, 14351-14358.	1.7	2
13	Total Synthesis of Terpioside B. Chemistry - A European Journal, 2020, 26, 10222-10225.	1.7	11
14	Development and Application of Boronic-Acid-Catalyzed Regioselective and 1,2-cis-Stereoselective Glycosylation. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2020, 78, 221-231.	0.0	0
15	Total Synthesis and Structureâ€“Activity Relationship Study of Vineomycin A1. Journal of Organic Chemistry, 2019, 84, 14724-14732.	1.7	3
16	2â€Phenylquinolineâ€“Sugar Hybrids as Photoswitchable Î±â€Glucosidase Inhibitors. Chemistry - an Asian Journal, 2019, 14, 1409-1412.	1.7	3
17	Boronic-Acid-Catalyzed Regioselective and Stereoselective Glycosylations <i>via</i> S_Ni-Type Mechanism. Trends in Glycoscience and Glycotechnology, 2019, 31, SJ93-SJ94.	0.0	0
18	Boronic-Acid-Catalyzed Regioselective and Stereoselective Glycosylations <i>via</i> S_Ni-Type Mechanism. Trends in Glycoscience and Glycotechnology, 2019, 31, SE93-SE94.	0.0	2

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19	Boronic-Acid-Catalyzed Regioselective and 1,2-cis-Stereoselective Glycosylation of Unprotected Sugar Acceptors via S_Ni-Type Mechanism. Journal of the American Chemical Society, 2018, 140, 3644-3651.	6.6	98
20	Systematic and Stereoselective Total Synthesis of Mannosylerythritol Lipids and Evaluation of Their Antibacterial Activity. Journal of Organic Chemistry, 2018, 83, 7281-7289.	1.7	43
21	Stereospecific Î²â€<scp>I</scp>â€Rhamnopyranosylation through an S_Niâ€Type Mechanism by Using Organoboron Reagents. Angewandte Chemie, 2018, 130, 14054-14058.	1.6	13
22	An anthraquinoneâ€“enzymeâ€“peptide hybrid as a photo-switchable enzyme. Chemical Communications, 2018, 54, 10614-10617.	2.2	3
23	Stereospecific Î²â€<scp>I</scp>â€Rhamnopyranosylation through an S_Niâ€Type Mechanism by Using Organoboron Reagents. Angewandte Chemie - International Edition, 2018, 57, 13858-13862.	7.2	51
24	Novel hemagglutinin-binding sulfated oligofucosides and their effect on influenza virus infection. Chemical Communications, 2018, 54, 7467-7470.	2.2	10
25	Regioselective and Stereoselective Glycosylations Utilizing Organoboron Compounds. Trends in Glycoscience and Glycotechnology, 2018, 30, E55-E62.	0.0	4
26	Regioselective and Stereoselective Glycosylations Utilizing Organoboron Compounds. Trends in Glycoscience and Glycotechnology, 2018, 30, J31-J38.	0.0	0
27	Borinic Acid Catalyzed 1,2-cis-Stereoselective Glycosylations and Their Applications to the Total Synthesis of Natural Products. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2018, 76, 470-473.	0.0	1
28	Regio- and stereoselective Î²-mannosylation using a boronic acid catalyst and its application in the synthesis of a tetrasaccharide repeating unit of lipopolysaccharide derived from E. coli O75. Chemical Communications, 2017, 53, 3018-3021.	2.2	66
29	Novel 1,2- cis -stereoselective glycosylations utilizing organoboron reagents and their application to natural products and complex oligosaccharide synthesis. Carbohydrate Research, 2017, 452, 64-77.	1.1	33
30	Targetâ€Selective Fluorescence Imaging and Photocytotoxicity against H₂O₂ Highâ€Expressing Cancer Cells Using a Photoactivatable Theranostic Agent. Chemistry - an Asian Journal, 2017, 12, 2656-2659.	1.7	12
31	Direct and Stereoselective Synthesis of Î²-Mannosides by Anomeric <i>O</i>-Alkylation. Trends in Glycoscience and Glycotechnology, 2016, 28, E119-E120.	0.0	1
32	Target-selective photo-degradation of a sialyl Lewis a (sLe^a) conjugate and photo-cytotoxicity against sLe^apositive cancer cells using an anthraquinone-antibody hybrid. MedChemComm, 2016, 7, 1224-1228.	3.5	2
33	Glycosyl-Acceptor-Derived Borinic Ester-Promoted Direct and Î²-Stereoselective Mannosylation with a 1,2-Anhydromannose Donor. Organic Letters, 2016, 18, 2288-2291.	2.4	79
34	1,2-cis-Î±-Stereoselective Glycosylation Utilizing a Glycosyl-Acceptor-Derived Borinic Ester and Its Application to the Total Synthesis of Natural Glycosphingolipids. Organic Letters, 2016, 18, 5030-5033.	2.4	50
35	Total Synthesis of Aquayamycin. Chemistry - A European Journal, 2016, 22, 18733-18736.	1.7	12
36	Stereocontrolled Photoinduced Glycosylation Using an Aryl Thiourea as an Organo photoacid. Organic Letters, 2016, 18, 3190-3193.	2.4	71

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37	Target-selective photo-degradation of AFP-L3 and selective photo-cytotoxicity against HuH-7 hepatocarcinoma cells using an anthraquinoneâ€“PhoSL hybrid. Chemical Communications, 2016, 52, 2169-2172.	2.2	13
38	Direct and Stereoselective Synthesis of Î²-Mannosides by Anomeric <i>O</i>-Alkylation. Trends in Glycoscience and Glycotechnology, 2016, 28, J117-J118.	0.0	0
39	One-pot Transformation of N-Succinyl Chitosan to Nitrogen-containing Alkyl Glycosides Using an Ionic Liquid Containing a Protic Acid. Chemistry Letters, 2015, 44, 1467-1469.	0.7	2
40	Hierarchical CaCO₃ Chromatography: A Stationary Phase Based on Biominerals. Chemistry - A European Journal, 2015, 21, 5034-5040.	1.7	10
41	Regioselective and 1,2â€cisâ€Î±â€Stereoselective Glycosylation Utilizing Glycosylâ€Acceptorâ€Derived Boronic Ester Catalyst. Angewandte Chemie - International Edition, 2015, 54, 10935-10939.	7.2	84
42	Chemical approach for target-selective degradation of oligosaccharides using photoactivatable organic molecules. Glycoconjugate Journal, 2015, 32, 475-482.	1.4	3
43	Systematic synthesis of low-molecular weight fucoidan derivatives and their effect on cancer cells. Organic and Biomolecular Chemistry, 2015, 13, 10556-10568.	1.5	58
44	Glycosylations of Glycals using N-Iodosuccinimide (NIS) and Phosphorus Compounds for Syntheses of 2-Iodo- and 2-Deoxyglycosides. Journal of Organic Chemistry, 2015, 80, 9552-9562.	1.7	16
45	Organoboron-Mediated Regio- and Stereoselective Glycosylation. Trends in Glycoscience and Glycotechnology, 2015, 27, 61-62.	0.0	0
46	A solid-phase affinity labeling method for target-selective isolation and modification of proteins. Chemical Communications, 2014, 50, 15601-15604.	2.2	7
47	Chemical and biological evaluation of unusual sugars, Î±-aculosides, as novel Michael acceptors. Organic and Biomolecular Chemistry, 2014, 12, 8832-8835.	1.5	5
48	Photo-induced glycosylation using reusable organophotoacids. Chemical Communications, 2014, 50, 10695-10698.	2.2	46
49	Photodegradation of amyloid Î² and reduction of its cytotoxicity to PC12 cells using porphyrin derivatives. Chemical Communications, 2014, 50, 9543-9546.	2.2	44
50	Systematic synthesis of sulfated oligofucosides and their effect on breast cancer MCF-7 cells. Chemical Communications, 2014, 50, 9831-9834.	2.2	17
51	Design, synthesis and evaluation of a boronic acid based artificial receptor for <scp>l</scp>-DOPA in aqueous media. Chemical Communications, 2013, 49, 10403-10405.	2.2	10
52	Total Synthesis of Vineomycin B₂. Journal of the American Chemical Society, 2013, 135, 15909-15912.	6.6	25
53	Chiral BrÃ¸nsted Acid Mediated Glycosylation with Recognition of Alcohol Chirality. Angewandte Chemie - International Edition, 2013, 52, 12131-12134.	7.2	62
54	Target-selective photo-degradation of verotoxin-1 and reduction of its cytotoxicity to Vero cells using porphyrinâ€“globotriose hybrids. Chemical Communications, 2013, 49, 6027.	2.2	8

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55	The direct and one-pot transformation of xylan into the biodegradable surfactants, alkyl xylosides, is aided by an ionic liquid. RSC Advances, 2013, 3, 19756.	1.7	17
56	Photodegradation and inhibition of drug-resistant influenza virus neuraminidase using anthraquinoneâ€“sialic acid hybrids. Chemical Communications, 2013, 49, 1169.	2.2	20
57	Improved total synthesis of incednam. Journal of Antibiotics, 2013, 66, 155-159.	1.0	11
58	Light-induced O-glycosylation of unprotected deoxythioglycosyl donors. Organic and Biomolecular Chemistry, 2013, 11, 5079.	1.5	37
59	Chiral BrÃ¸nsted Acid Mediated Glycosylation with Recognition of Alcohol Chirality. Angewandte Chemie, 2013, 125, 12353-12356.	1.6	15
60	Carbohydrate recognition and photodegradation by an anthraceneâ€“Kemp's acid hybrid. Organic and Biomolecular Chemistry, 2012, 10, 8393.	1.5	4
61	Involvement of DNA binding domain in the cellular stability and importin affinity of NF-ÎºB component RelB. Organic and Biomolecular Chemistry, 2012, 10, 3053.	1.5	25
62	Chemical methods for degradation of target oligosaccharides using designed light-activatable organic molecules. Chemical Communications, 2012, 48, 4397.	2.2	8
63	Photodegradation of lipopolysaccharides and the inhibition of macrophage activation by anthraquinoneâ€“boronic acid hybrids. Chemical Communications, 2012, 48, 7595.	2.2	10
64	Ionic Liquids as Green Solvents for Glycosylation Reactions. , 2012, , 67-78.		1
65	Creation of Novel Biofunctional Molecules for Target-Selective Photodegradation of Proteins and Carbohydrates: A Synthetic and Chemical Biological Study for the Post-Genome Era. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2012, 70, 1187-1195.	0.0	0
66	Targetâ€Selective Photodegradation of HIVâ€1 Protease and Inhibition of HIVâ€1 Replication in Living Cells by Designed Fullereneâ€“Sugar Hybrids. Chemistry - an Asian Journal, 2012, 7, 911-914.	1.7	24
67	Chemical methods for degradation of target proteins using designed light-activatable organic molecules. Chemical Communications, 2012, 48, 7659.	2.2	21
68	Degradation of Target Oligosaccharides by Anthraquinoneâ€“Lectin Hybrids with Light Switching. Chemistry - an Asian Journal, 2012, 7, 97-104.	1.7	10
69	Chemistry Based Approach for Degradation of Target-Oligosaccharides Using Photo-Activatable Organic Small Molecules. Trends in Glycoscience and Glycotechnology, 2012, 24, 258-276.	0.0	1
70	Target-selective photodegradation of oligosaccharides by a fullereneâ€“boronic acid hybrid upon visible light irradiation. Chemical Communications, 2011, 47, 11712.	2.2	12
71	Efficient and Stereoselective Synthesis of the Disaccharide Fragment of Incednine. Organic Letters, 2011, 13, 6126-6129.	2.4	8
72	Molecular design, chemical synthesis, and biological evaluation of agents that selectively photo-degrade the transcription factor estrogen receptor-Î±. Organic and Biomolecular Chemistry, 2011, 9, 6357.	1.5	12

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73	Inhibition of Amyloid Î² Aggregation and Cytotoxicity by Photodegradation Using a Designed Fullerene Derivative. Chemistry - an Asian Journal, 2011, 6, 2312-2315.	1.7	43
74	Armedâ€“disarmed effect of remote protecting groups on the glycosylation reaction of 2,3-dideoxyglycosyl donors. Tetrahedron Letters, 2011, 52, 2399-2403.	0.7	9
75	Photo-degradation of amyloid Î² by a designed fullereneâ€“sugar hybrid. MedChemComm, 2010, 1, 212.	3.5	53
76	Photodegradation of Target Oligosaccharides by Lightâ€Activated Small Molecules. Angewandte Chemie - International Edition, 2010, 49, 10096-10100.	7.2	22
77	A novel glycosylation of inactive glycosyl donors using an ionic liquid containing a protic acid under reduced pressure conditions. Tetrahedron Letters, 2010, 51, 6294-6297.	0.7	13
78	Total Synthesis of Incednam, the Aglycon of Incednine. Organic Letters, 2010, 12, 5068-5071.	2.4	24
79	Effective and chemoselective glycosylations using 2,3-unsaturated sugars. Organic and Biomolecular Chemistry, 2010, 8, 3164.	1.5	14
80	Chemoselective glycosylations using 2,3-unsaturated-4-keto glycosyl donors. Organic and Biomolecular Chemistry, 2010, 8, 988.	1.5	7
81	Targetâ€selective degradation of cancerâ€related proteins by novel photosensitizers for molecularâ€targeted photodynamic therapy. Cancer Science, 2009, 100, 1581-1584.	1.7	4
82	Hydrolysis of Disaccharides by Metal Species in Neutral Homogeneous Solutions. Chemistry Letters, 2009, 38, 728-729.	0.7	3
83	Target-selective photo-degradation of HIV-1 protease by a fullerene-sugar hybrid. Chemical Communications, 2008, , 5767.	2.2	56
84	The Synthesis of Carbohydrate Microarrays by S-Alkylation of the Glass-supported 2-Bromoacetamides. Chemistry Letters, 2008, 37, 1252-1253.	0.7	1
85	Stereoselective Synthesis of Oligo-Î±(2,8)-3-deoxy-D-manno-2-octulosonic Acid Derivatives. Angewandte Chemie - International Edition, 2006, 45, 770-773.	7.2	40
86	Efficient Stereoselective Synthesis of Î³-N-Glycosyl Asparagines by N-Glycosylation of Primary Amide Groups. Journal of the American Chemical Society, 2005, 127, 1630-1631.	6.6	77
87	Title is missing!. Angewandte Chemie, 2003, 115, 1877-1880.	1.6	3
88	Synthesis of 2,3,6-Trideoxysugar-Containing Disaccharides by Cyclization and Glycosidation through the Sequential Activation of Sulfoxide and Methylsulfanyl Groups in a One-Pot Procedure. Angewandte Chemie - International Edition, 2003, 42, 1833-1836.	7.2	19
89	Synthesis of block-graft polymers by anionic polymerizations. Macromolecular Rapid Communications, 2000, 21, 660-664.	2.0	10
90	Synthesis of block-graft polymers by anionic polymerizations. , 2000, 21, 660.		1