

Hideya Yuasa

List of Publications by Year in descending order

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51
papers

1,448
citations

304743

22
h-index

330143

37
g-index

56
all docs

56
docs citations

56
times ranked

1467
citing authors

#	ARTICLE	IF	CITATIONS
1	4- <i>N</i> -Nitrobiphenyl thioglucoside as the Smallest, fluorescent photosensitizer with cancer targeting ligand. <i>Bioorganic and Medicinal Chemistry</i> , 2022, 61, 116737.	3.0	3
2	Recycling of the major thylakoid lipid MGDG and its role in lipid homeostasis in <i>Chlamydomonas reinhardtii</i> . <i>Plant Physiology</i> , 2021, 187, 1341-1356.	4.8	11
3	Photo effect on the CD1d-binding ability of azobenzene-attached analogues of β -GalCer. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2020, 30, 126960.	2.2	9
4	A Twist-Assisted Biphenyl Photosensitizer Passable Through Glucose Channel. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2067-2071.	3.3	9
5	Intersystem Crossing Mechanisms in the Room Temperature Phosphorescence of Crystalline Organic Compounds. <i>Bulletin of the Chemical Society of Japan</i> , 2018, 91, 223-229.	3.2	42
6	Water-Soluble Glucosyl Pyrene Photosensitizers: An Intramolecularly Synthesized 2- <i>C</i> -Glucoside and an <i>O</i> -Glucoside. <i>Journal of Organic Chemistry</i> , 2018, 83, 13765-13775.	3.2	16
7	Coating lanthanide nanoparticles with carbohydrate ligands elicits affinity for HeLa and RAW264.7 cells, enhancing their photodamaging effect. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 743-749.	3.0	9
8	Long Persistent Phosphorescence of Crystalline Phenylboronic Acid Derivatives: Photophysics and a Mechanistic Study. <i>ChemPhotoChem</i> , 2017, 1, 102-106.	3.0	62
9	Near-infrared (NIR) up-conversion optogenetics. <i>Scientific Reports</i> , 2015, 5, 16533.	3.3	109
10	The Effect of Coatings on the Affinity of Lanthanide Nanoparticles to MKN45 and HeLa Cancer Cells and Improvement in Photodynamic Therapy Efficiency. <i>International Journal of Molecular Sciences</i> , 2015, 16, 22415-22424.	4.1	14
11	A Ring-Flippable Sugar as a Stimuli-Responsive Component of Liposomes. <i>Chemistry - an Asian Journal</i> , 2015, 10, 586-594.	3.3	12
12	Visible room-temperature phosphorescence of pure organic crystals via a radical-ion-pair mechanism. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 15989-15995.	2.8	108
13	Access to a novel near-infrared photodynamic therapy through the combined use of 5-aminolevulinic acid and lanthanide nanoparticles. <i>Photodiagnosis and Photodynamic Therapy</i> , 2013, 10, 607-614.	2.6	18
14	Sugar-attached upconversion lanthanide nanoparticles: A novel tool for high-throughput lectin assay. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 2832-2842.	3.0	9
15	2-Oxabutane as a substitute for internal monomer units of oligosaccharides to create lectin ligands. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 6579.	2.8	2
16	Synthesis of a novel class of glycocluster with a cyclic β -(1 \rightarrow 6)-octaglucoside as a scaffold and their binding abilities to concanavalin A. <i>Carbohydrate Research</i> , 2010, 345, 2124-2132.	2.3	8
17	A Novel Galactosyltransferase Inhibitor with Diamino Sugar as a Pyrophosphate Mimic. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 1598-1605.	2.4	5
18	Thiasugars: Potential Glycosidase Inhibitors. <i>Current Topics in Medicinal Chemistry</i> , 2009, 9, 76-86.	2.1	26

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19	A novel proton-selective sensor based on a sugar with hinge flexibility. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 2920.	2.8	18
20	A novel 5-thioglycosylation method with 1,5-dithioglycosyl donors: relevance to exo- versus endocyclic activation. <i>Tetrahedron Letters</i> , 2007, 48, 7953-7956.	1.4	3
21	Pentamer is the minimum structure for oligomannosylpeptoids to bind to concanavalin A. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 5274-5278.	2.2	16
22	Exploitation of sugar ring flipping for a hinge-type tether assisting a [2 + 2] cycloaddition. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 3694.	2.8	12
23	Ring Flip of Carbohydrates: Functions and Applications. <i>Trends in Glycoscience and Glycotechnology</i> , 2006, 18, 353-370.	0.1	7
24	Synthesis and Evaluation of 5-Thio-L-Fucose-Containing Oligosaccharide. <i>Chemistry - A European Journal</i> , 2005, 11, 3032-3038.	3.3	9
25	An Improvement in the Bending Ability of a Hinged Trisaccharide with the Assistance of a Sugar-Sugar Interaction. <i>Chemistry - A European Journal</i> , 2005, 11, 6478-6490.	3.3	11
26	Switching extended 1,3-diequatorial and bent 1,3-diaxial states of a disubstituted hinge sugar by ligand exchange reactions on Pt(ii) Electronic supplementary information (ESI) available: experimental procedures and full characterization of the reported compounds. See http://www.rsc.org/suppdata/cc/b3/b311811h/ . <i>Chemical Communications</i> , 2004, , 94.	4.1	12
27	A tong-like fluorescence sensor for metal ions: perfect conformational switch of hinge sugar by pyrene stacking. <i>Organic and Biomolecular Chemistry</i> , 2004, 2, 3548.	2.8	43
28	Hinge Sugar as a Movable Component of an Excimer Fluorescence Sensor. <i>Organic Letters</i> , 2004, 6, 1489-1492.	4.6	136
29	Synthesis of GDP-5-thiosugars and Their Use as Glycosyl Donor Substrates for Glycosyltransferases. <i>Journal of Organic Chemistry</i> , 2003, 68, 6400-6406.	3.2	33
30	Mannose-BSA Conjugates: Comparison Between Commercially Available Linkers in Reactivity and Bioactivity. <i>Journal of Carbohydrate Chemistry</i> , 2003, 22, 317-329.	1.1	27
31	Thiasugars as Potential Glycosidase Inhibitor.. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2002, 60, 774-782.	0.1	12
32	Chemical Synthesis of Bioactive Oligosaccharides. Recent Advances in the Development of Unnatural Oligosaccharides. Conformation and Bioactivity.. <i>Trends in Glycoscience and Glycotechnology</i> , 2001, 13, 31-55.	0.1	29
33	Glycosidase Inhibition by cyclic sulfonium compounds. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2001, 11, 1137-1139.	2.2	49
34	Synthesis and Biological Evaluation of $\hat{1}\pm$ -L-Fucosidase Inhibitors: 5a-Carba- $\hat{1}\pm$ -L-fucopyranosylamine and Related Compounds. <i>European Journal of Organic Chemistry</i> , 2001, 2001, 967-974.	2.4	24
35	Synthesis and Glycosidase Inhibitory Activity of 5a-Carba- $\hat{1}\pm$ -DL-fucopyranosylamine and -galactopyranosylamine. <i>European Journal of Organic Chemistry</i> , 2000, 2000, 2089-2093.	2.4	16
36	Synthesis of salacinol. <i>Tetrahedron Letters</i> , 2000, 41, 6615-6618.	1.4	80

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37	Synthesis and Ring-Opening Reaction of 1,6-Anhydro-6-deoxy-6-thio-2, 3, 4-tri-O-benzyl- β -D-glucopyranose. <i>Polymer Journal</i> , 2000, 32, 297-299.	2.7	0
38	Creation of a DNA-Binding Oligosaccharide. <i>Trends in Glycoscience and Glycotechnology</i> , 2000, 12, 267-268.	0.1	0
39	Syntheses of two trimannose analogs each containing C-mannosyl or 5-thio-C-mannosyl residue: their affinities to concanavalin A. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1999, 9, 807-810.	2.2	19
40	Bending Trisaccharides by a Chelation-Induced Ring Flip of a Hinge-Like Monosaccharide Unit. <i>Journal of the American Chemical Society</i> , 1999, 121, 5089-5090.	13.7	40
41	Synthesis of 5-Thiomannose-containing oligomannoside mimics: Binding abilities to concanavalin A. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998, 8, 1297-1300.	2.2	13
42	UDP-N-acetyl-5-thio-galactosamine is a substrate of lactose synthase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1997, 7, 2523-2526.	2.2	31
43	Relative Nucleophilicity of the Two Sulfur Atoms in 1,5-Dithioglucofuranoside. <i>Angewandte Chemie International Edition in English</i> , 1997, 36, 868-870.	4.4	13
44	Novel conversion of aldopyranosides into 5-thioaldopyranosides via acyclic monothioacetals with inversion and retention of configuration at C-5. <i>Carbohydrate Research</i> , 1996, 282, 207-221.	2.3	25
45	Synthesis of Methyl 5- α -Thio- α -Somaltoside via an Acyclic Monothioacetal and its Behavior toward Glucoamylase. <i>Chemistry - A European Journal</i> , 1996, 2, 556-560.	3.3	22
46	Synthesis of iminothiasugar as a potential transition-state analog inhibitor of glycosyltransfer reactions. <i>Tetrahedron Letters</i> , 1994, 35, 8243-8246.	1.4	46
47	Factors influencing stereoselectivity of sulfur oxidation: substituent effects on the oxidation of 5-thioglucofuranose derivatives. <i>Tetrahedron</i> , 1993, 49, 8977-8998.	1.9	23
48	Chemical-enzymic synthesis of 5'-thio-N-acetyllactosamine: the first disaccharide with sulfur in the ring of the non-reducing sugar. <i>Journal of the American Chemical Society</i> , 1992, 114, 5891-5892.	13.7	87
49	New and facile synthetic routes to 5-thioaldohexopyranosides via aldose monothioacetal derivatives. <i>Tetrahedron Letters</i> , 1991, 32, 7087-7090.	1.4	23
50	Synthesis of 5-Thio-L-Fucose and its Inhibitory Effect on Fucosidase. <i>Journal of Carbohydrate Chemistry</i> , 1990, 9, 683-694.	1.1	61
51	Synthesis of 5-Thio-D-Mannose. <i>Journal of Carbohydrate Chemistry</i> , 1989, 8, 753-763.	1.1	36