

Yuichi Yoshimura

List of Publications by Year in descending order

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times ranked

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#	ARTICLE	IF	CITATIONS
1	A Novel Synthesis of 2'-Modified 2'-Deoxy-4'-thiocytidines from D-Glucose. <i>Journal of Organic Chemistry</i> , 1997, 62, 3140-3152.	3.2	102
2	A Novel Synthesis of New Antineoplastic 2'-Deoxy-2'-substituted-4'-thiocytidines. <i>Journal of Organic Chemistry</i> , 1996, 61, 822-823.	3.2	81
3	(±)-1-C-Butyl-1,4-dideoxy-1,4-imino- β -D-arabinofuranosyl as a Second-Generation Iminosugar-Based Oral α -Glucosidase Inhibitor for Improving Postprandial Hyperglycemia. <i>Journal of Medicinal Chemistry</i> , 2012, 55, 10347-10362.	6.4	72
4	A Facile, Alternative Synthesis of 4'-Thioarabinonucleosides and Their Biological Activities. <i>Journal of Medicinal Chemistry</i> , 1997, 40, 2177-2183.	6.4	62
5	Antitumor activity of a novel orally effective nucleoside, 1-(2-deoxy-2-fluoro-4-thio- β -D-arabinofuranosyl)cytosine. <i>Cancer Letters</i> , 1998, 129, 103-110.	7.2	59
6	Acceleration Effect of an Allylic Hydroxy Group on Ring-Closing Enyne Metathesis of Terminal Alkynes: Scope, Application, and Mechanistic Insights. <i>Chemistry - A European Journal</i> , 2008, 14, 10762-10771.	3.3	56
7	Nucleosides and Nucleotides. 175. Structural Requirements of the Sugar Moiety for the Antitumor Activities of New Nucleoside Antimetabolites, 1-(3-Ethynyl- β -D-ribo-pentofuranosyl)cytosine and -uracil. <i>Journal of Medicinal Chemistry</i> , 1998, 41, 2892-2902.	6.4	55
8	Docking study and biological evaluation of pyrrolidine-based iminosugars as pharmacological chaperones for Gaucher disease. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 1039-1048.	2.8	46
9	Synthesis of Novel Iso-4'-thionucleosides Using the Mitsunobu Reaction. <i>Journal of Organic Chemistry</i> , 1998, 63, 6891-6899.	3.2	44
10	Synthesis of L-enantiomers of 4'-thioarabinofuranosyl pyrimidine nucleosides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1998, 8, 989-992.	2.2	42
11	The synthesis and biological evaluation of 1-C-alkyl-L-arabinoiminofuranoses, a novel class of α -glucosidase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2011, 21, 738-741.	2.2	39
12	Synthesis and biological activities of 2'-deoxy-2'-fluoro-4'-thioarabinofuranosylpyrimidine and -purine nucleosides. <i>Bioorganic and Medicinal Chemistry</i> , 2000, 8, 1545-1558.	3.0	38
13	Synthesis of both enantiomers of hydroxypipercolic acid derivatives equivalent to 5-azapyranuronic acids and evaluation of their inhibitory activities against glycosidases. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 8273-8286.	3.0	38
14	Stereoselective Synthesis of the β -Anomer of 4'-Thionucleosides Based on Electrophilic Glycosidation to 4-Thiofuranoid Glycols. <i>Journal of Organic Chemistry</i> , 2002, 67, 5919-5927.	3.2	37
15	Nucleosides and Nucleotides. 108. Synthesis and Optical Properties of Syn-Fixed Carbon-Bridged Pyrimidine Cyclonucleosides. <i>Chemical and Pharmaceutical Bulletin</i> , 1992, 40, 1761-1769.	1.3	36
16	An Alternative Synthesis of the Antineoplastic Nucleoside 4'-ThioFAC and Its Application to the Synthesis of 4'-ThioFAG and 4'-Thiocytarazid. <i>Journal of Organic Chemistry</i> , 1999, 64, 7912-7920.	3.2	35
17	A practical synthesis of 4'-thioribonucleosides. <i>Tetrahedron Letters</i> , 2006, 47, 591-594.	1.4	31
18	Recent Advances in the Synthesis of Conformationally Locked Nucleosides and Their Success in Probing the Critical Question of Conformational Preferences by Their Biological Targets. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2003, 22, 547-557.	1.1	30

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19	Nucleosides and nucleotides. 134. Synthesis of 2-alkynyl-2-deoxy-1-D-arabinofuranosylpyrimidines via radical deoxygenation of tert-propargyl alcohols in the sugar moiety. <i>Tetrahedron</i> , 1994, 50, 10397-10406.	1.9	29
20	Synthesis of 6,3'-methanocytidine, 6,3'-methanouridine, and their 2'-deoxyribonucleosides (nucleosides) <i>Tetrahedron</i> , 1994, 50, 10397-10406.	1.3	28
21	Nucleosides and nucleotides. 102. Stereoselective radical deoxygenation of tert-propargyl alcohols in sugar moiety of pyrimidine nucleosides: synthesis of 2-alkynyl-2-deoxy-1-d-arabinofuranosylpyrimidines. <i>Tetrahedron Letters</i> , 1991, 32, 6003-6006.	1.4	27
22	Design and synthesis of a novel ring-expanded 4-thio-apio-nucleoside derivatives. <i>Tetrahedron Letters</i> , 2007, 48, 4519-4522.	1.4	26
23	SYNTHESIS AND BIOLOGICAL ACTIVITY OF BRANCHED CHAIN-SUGAR NUCLEOSIDES. 1. Nucleosides, Nucleotides and Nucleic Acids, 1989, 8, 743-752.	1.1	25
24	Synthesis of 1-(5,6-dihydro-2H-thiopyran-2-yl)uracil by a Pummerer-type thioglycosylation reaction: the regioselectivity of allylic substitution. <i>Tetrahedron</i> , 2009, 65, 9091-9102.	1.9	25
25	Homeostatic and pathogenic roles of GM3 ganglioside molecular species in TLR4 signaling in obesity. <i>EMBO Journal</i> , 2020, 39, e101732.	7.8	25
26	Nucleosides and Nucleotides. 104. Radical and Palladium-Catalyzed Deoxygenation of the Allylic Alcohol Systems in the Sugar Moiety of Pyrimidine Nucleosides. <i>Nucleosides & Nucleotides</i> , 1992, 11, 197-226.	0.5	24
27	Synthesis and Biological Evaluation of 5-Cyano-Pyrimidine Nucleosides. <i>Nucleosides & Nucleotides</i> , 1996, 15, 305-324.	0.5	24
28	Enantioselective Synthesis of Bicyclo[3.1.0]hexane Carbocyclic Nucleosides via a Lipase-Catalyzed Asymmetric Acetylation. Characterization of an Unusual Acetal Byproduct. <i>Journal of Organic Chemistry</i> , 2002, 67, 5938-5945.	3.2	24
29	Novel Stereoselective Entry to 2-Carbon-Substituted 2-Deoxy-4-thionucleosides from 4-Thiofuranoid Glycols. <i>Organic Letters</i> , 2004, 6, 2645-2648.	4.6	24
30	Docking and SAR studies of d- and l-isofagomine isomers as human β -glucocerebrosidase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 3558-3568.	3.0	24
31	Rationale of 5-(125I)-iodo-4'-thio-2'-deoxyuridine as a potential iodinated proliferation marker. <i>Journal of Nuclear Medicine</i> , 2002, 43, 1218-26.	5.0	24
32	An alternative synthesis of antineoplastic 4-thiocytidine analogue 4-thioFAC. <i>Tetrahedron Letters</i> , 1999, 40, 1937-1940.	1.4	23
33	New Synthesis of (\pm)-Isonucleosides. <i>Organic Letters</i> , 2006, 8, 6015-6018.	4.6	23
34	Asymmetric synthesis of 2,5-disubstituted 3-hydroxypyrrolidines based on stereodivergent intramolecular iridium-catalyzed allylic aminations. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1983.	2.8	23
35	Development of radioiodinated nucleoside analogs for imaging tissue proliferation: comparisons of six 5-iodonucleosides. <i>Nuclear Medicine and Biology</i> , 2003, 30, 687-696.	0.6	22
36	A New Entry to Carbocyclic Nucleosides: Oxidative Coupling Reaction of Cycloalkenylsilanes with a Nucleobase Mediated by Hypervalent Iodine Reagent. <i>Organic Letters</i> , 2008, 10, 3449-3452.	4.6	22

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37	Nucleosides and nucleotides. LXXXVIII. Synthesis of 6,6'-cyclo-5',6'-dideoxy-1-(.BETA.-D-allofuranosyl)cytosine and related nucleosides.. Chemical and Pharmaceutical Bulletin, 1989, 37, 660-664.	1.3	21
38	Asymmetric Synthesis of All Stereoisomers of Isofagomine Using [2,3]-Wittig Rearrangement. Heterocycles, 2007, 72, 633.	0.7	21
39	Nucleosides and nucleotides. 120. Stereoselective radical deoxygenation of tert-alcohols in the sugar moiety of nucleosides: synthesis of 2',3'-dideoxy-2'-C-methyl- -2'-C-ethynyl-1'-d-threo-pentofuranosyl pyrimidines and adenine as potential antiviral and antitumor agents. Tetrahedron, 1993, 49, 8513-8528.	1.9	20
40	Synthesis of 6,5'-C-Cyclouridine by a Novel Tandem Radical 1,6-Hydrogen Transfer and Cyclization Reaction. Synlett, 2007, 2007, 0111-0114.	1.8	20
41	A New Preparation of Homochiral N-Protected 5-Hydroxy-3- piperidenes, Promising Chiral Building Blocks, by Palladium- Catalyzed Deracemization of Their Alkyl Carbonates. Advanced Synthesis and Catalysis, 2007, 349, 685-693.	4.3	20
42	Nucleosides & nucleotides. 118. Synthesis of oligonucleotides containing a novel 2'-deoxyuridine analogue that carries an aminoalkyl tether at 1'-position; stabilization of duplex formation by an intercalatin group accommodated in the minor groove. Bioorganic and Medicinal Chemistry Letters, 1993, 3, 615-618.	2.2	19
43	Synthesis of 1-(2-Deoxy-2-C-fluoromethyl-1'-D-arabinofuranosyl)cytosine as a potential antineoplastic agent. Bioorganic and Medicinal Chemistry Letters, 1994, 4, 721-724.	2.2	19
44	Synthesis of all stereoisomers of 3-hydroxypipercolic acid and 3-hydroxy-4,5-dehydropipercolic acid and their evaluation as glycosidase inhibitors. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 1810-1813.	2.2	19
45	Design and Synthesis of Isonucleosides Constructed on a 2-Oxa-6-thiabicyclo[3.2.0]heptane Scaffold. Journal of Organic Chemistry, 2010, 75, 4161-4171.	3.2	16
46	Synthesis and Antiviral Activities of 5-Substituted 1-(2-Deoxy-2-C-methylene-4-thio-1'-D-erythro-pentofuranosyl)uracilst. Nucleosides, Nucleotides and Nucleic Acids, 1998, 17, 65-79.	1.1	15
47	Lithiation at the 6-Position of Uridine with Lithium Hexamethyldisilazide: Crucial Role of Temporary Silylation. Organic Letters, 2004, 6, 1793-1795.	4.6	15
48	A Facile Synthesis of Fully Protected meso-Diaminopimelic Acid (DAP) and Its Application to the Preparation of Lipophilic N-Acyl IE-DAP. Molecules, 2013, 18, 1162-1173.	3.8	15
49	Anti-herpesvirus activity profile of 4'-thioarabinofuranosyl purine and uracil nucleosides and activity of 1'-d-2'-fluoro-4'-thioarabinofuranosyl guanine and 2,6-diaminopurine against clinical isolates of human cytomegalovirus. Antiviral Research, 1998, 39, 129-137.	4.1	14
50	Nucleosides and Nucleotides. 177. 9-(6,7-Dideoxy-1'-d-allo-hept-5- ynofuranosyl)adenine: A Selective and Potent Ligand for P3Purinoceptor-like Protein1. Journal of Medicinal Chemistry, 1998, 41, 2676-2678.	6.4	14
51	Comparison of 1-(2-deoxy-2-fluoro-4-thio-1'-d-arabinofuranosyl)cytosine with gemcitabine in its antitumor activity. Cancer Letters, 1999, 144, 177-182.	7.2	14
52	Synthesis of 6,1'-propanouridine, fixed in syn-conformation by a spiro-carbon bridge. Tetrahedron Letters, 1991, 32, 4549-4552.	1.4	13
53	Nucleosides and nucleotides. 142. an alternative synthesis of and its antiviral activity. Bioorganic and Medicinal Chemistry Letters, 1995, 5, 1685-1688.	2.2	13
54	Synthesis of 5-thiodidehydropyranylcytosine derivatives as potential anti-HIV agents. Bioorganic and Medicinal Chemistry Letters, 2011, 21, 3313-3316.	2.2	12

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55	The Antitumor Mechanism of 1-(2-Deoxy-2-fluoro-4-thio-β-D-arabinofuranosyl)-cytosine: Effects of Its Triphosphate on Mammalian DNA Polymerases. <i>Japanese Journal of Cancer Research</i> , 2001, 92, 562-567.	1.7	11
56	Synthesis of Various Heterocycles Having a Dienamide Moiety by Ring-Closing Metathesis of Ene-ynamides. <i>Synthesis</i> , 2018, 50, 3467-3486.	2.3	11
57	Synthesis and biological evaluation of β-1-C-4-arylbutoyl-β-D-arabinoimidofuranoses, a new class of β-glucosidase inhibitors. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2014, 24, 3298-3301.	2.2	10
58	Strategy for Designing Selective Lysosomal Acid β-Glucosidase Inhibitors: Binding Orientation and Influence on Selectivity. <i>Molecules</i> , 2020, 25, 2843.	3.8	10
59	Synthesis and Conformational Studies of 5,6-Methanouridine: A New Type of Pyrimidine Cyclonucleoside. <i>Nucleosides & Nucleotides</i> , 1992, 11, 615-635.	0.5	9
60	Comparison of the Selectivity of Anti-Varicella-Zoster Virus Nucleoside Analogues. <i>Microbiology and Immunology</i> , 1995, 39, 201-206.	1.4	9
61	Synthesis of (2'S)-1-(2-C-Azidomethyl-2-deoxy and) Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 507 Td (2-C-Cyanomethyl-2-deoxy-β-D-ribofuranosyl)cytosine. <i>Synthesis</i> , 1995, 14, 427-429.	1.1	9
62	A New Route to N1-Substituted Uracil Derivatives Using Hypervalent Iodine. <i>Synthesis</i> , 2012, 44, 1163-1170.	2.3	9
63	ASYMMETRIC SYNTHESIS OF 1-ALKYL-2-DEOXYIMINOFURANOSES VIA THE IRIIDIUM-CATALYZED INTRAMOLECULAR CYCLIZATION OF AN ALLYLIC CARBONATE. <i>Heterocycles</i> , 2012, 86, 1401.	0.7	9
64	Asymmetric Synthesis of 2-Propylisofagomine Using Allylic Hydroxy Group Accelerated Ring-Closing Enyne Metathesis. <i>Heterocycles</i> , 2012, 84, 929.	0.7	9
65	Recent Advances in Cyclonucleosides: C-Cyclonucleosides and Spore Photoproducts in Damaged DNA. <i>Molecules</i> , 2012, 17, 11630-11654.	3.8	9
66	Design and synthesis of a nucleoside and a phosphonate analogue constructed on a branched-threo-tetrafuranose skeleton. <i>Tetrahedron Letters</i> , 2013, 54, 3949-3952.	1.4	9
67	Synthesis and Biological Activities of 2-Modified 4-Thionucleosides. <i>Nucleosides & Nucleotides</i> , 1997, 16, 1103-1106.	0.5	8
68	A straightforward stereoselective synthesis of meso-, (S,S)- and (R,R)-2,6-diaminopimelic acids from cis-1,4-diacetoxycyclohept-2-ene. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 5894-5896.	2.2	8
69	An Access to the β-Anomer of 4-Thio-C-ribonucleosides: Hydroboration of 1-β-Aryl- or 1-β-Heteroaryl-4-thiofuranoid Glycals and Its Regiochemical Outcome. <i>Journal of Organic Chemistry</i> , 2011, 76, 8658-8669.	3.2	8
70	Palladium-Catalyzed Three-Component Coupling of Ynamides. <i>Organic Letters</i> , 2020, 22, 5299-5303.	4.6	8
71	Design of New Types of Antitumor Nucleosides: The Synthesis and Antitumor Activity of 2-Deoxy-(2-C-Substituted)Cytidines. , 1993, , 1-22.		8
72	Alternative synthesis of 2'-deoxy-6,2'-methano-pyrimidine nucleosides (nucleosides and nucleotides.) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 507 Td	1.3	7

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73	Palladium-Catalyzed Regioselective Hydroarylation of Ynamides with Aryl Iodides: Easy Synthesis of Various Substituted Enamides Containing Stilbene Derivatives. <i>Synlett</i> , 2017, 28, 2135-2138.	1.8	7
74	Development of a Glycosylation Reaction: A Key to Accessing Structurally Unique Nucleosides. <i>Heterocycles</i> , 2017, 94, 1625.	0.7	7
75	Synthesis of 4 β -Thionucleosides as Antitumor and Antiviral Agents. <i>Chemical and Pharmaceutical Bulletin</i> , 2018, 66, 139-146.	1.3	7
76	Glycosylation reactions mediated by hypervalent iodine: application to the synthesis of nucleosides and carbohydrates. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 1595-1618.	2.2	7
77	Development of Stereoselective Synthesis of Biologically Active Nitrogen-heterocyclic Compounds: Applications for Syntheses of Natural Product and Organocatalyst. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2016, 74, 335-349.	0.1	7
78	In Vitro and in Vivo Antitumor Activity of a Novel Nucleoside, 4'-Thio-2'-deoxy-2'-methylidenecytidine.. <i>Biological and Pharmaceutical Bulletin</i> , 1996, 19, 1311-1315.	1.4	6
79	Inhibitory Effects of 9-(4-Thio-BETA-D-ribo-pentofuranosyl)guanine on Tumor Growth and Angiogenesis. <i>Biological and Pharmaceutical Bulletin</i> , 2004, 27, 520-523.	1.4	6
80	Chemoselective O-tert-butoxycarbonylation of phenols using 6,7-dimethoxyisoquinoline as a novel organocatalyst. <i>Tetrahedron Letters</i> , 2010, 51, 6915-6917.	1.4	6
81	Synthesis of a Dihydropyranonucleoside Using an Oxidative Glycosylation Reaction Mediated by Hypervalent Iodine. <i>Synthesis</i> , 2014, 46, 879-886.	2.3	6
82	Synthesis and Properties of 4 β -ThioLNA/BNA. <i>Organic Letters</i> , 2021, 23, 4062-4066.	4.6	6
83	Modified 3-Hydroxypipercolic Acid Derivatives as an Organocatalyst. <i>Heterocycles</i> , 2009, 77, 635.	0.7	6
84	Synthetic Studies on 2 β -Substituted-4 β -thiocytidine Derivatives as Antineoplastic Agents. <i>Nucleosides & Nucleotides</i> , 1999, 18, 815-820.	0.5	5
85	Synthesis of 6,3 β -Methanothymidine from a Ribofuranos-3-Ulose and 2,4-Dimethoxy-5,6-Dimethylpyrimidine. <i>Nucleosides & Nucleotides</i> , 1988, 7, 409-416.	0.5	4
86	Synthesis and antiviral evaluation of 1 β -d-2 β ,3 β -didehydro-2 β ,3 β -dideoxy-3 β -C-hydroxymethyl nucleosides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 6013-6016.	2.2	4
87	Catalytic asymmetric synthesis of stereoisomers of 1-C-n-butyl-LABs for the SAR study of 1 β -glucosidase inhibition. <i>Tetrahedron</i> , 2019, 75, 2866-2876.	1.9	4
88	Construction of an Isonucleoside on a 2,6-Dioxobicyclo[3.2.0]-heptane Skeleton. <i>Molecules</i> , 2015, 20, 4623-4634.	3.8	3
89	Concise Syntheses of Violaceoids A and C. <i>Chemical and Pharmaceutical Bulletin</i> , 2021, 69, 232-235.	1.3	3
90	Synthesis and evaluation of trypanocidal activity of derivatives of naturally occurring 2,5-diphenyloxazoles. <i>Bioorganic and Medicinal Chemistry</i> , 2021, 42, 116253.	3.0	3

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91	Development of Glycoside Bond Formation Reactions and Their Applications to the Synthesis of Novel Biologically Active Nucleosides. <i>Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry</i> , 2009, 67, 798-808.	0.1	2
92	Practical Synthesis of 4-Thioribonucleosides from L-Arabinose via Novel Reductive Ring-Contraction Reaction and Pummerer-Type Thioglycosylation. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2017, 71, 1.43.1-1.43.12.	0.5	1
93	Synthesis of 2-aminouridine derivatives as an organocatalyst for Diels-Alder reaction. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2020, 39, 365-383.	1.1	1
94	Study on the reaction mechanism of C-6 lithiation of pyrimidine nucleosides by using lithium hexamethyldisilazide as a base. <i>Nucleic Acids Symposium Series</i> , 2003, 3, 17-18.	0.3	0