Kohji Seio

List of Publications by Year
in descending order

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183	2,191	257450	395702
papers	citations	24 h-index	33 g-index

199	199	199	1632
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	A General Method for the Synthesis of 2â€˜-O-Cyanoethylated Oligoribonucleotides Having Promising Hybridization Affinity for DNA and RNA and Enhanced Nuclease Resistance. Journal of Organic Chemistry, 2005, 70, 10453-10460.	3.2	77
2	Fluorescent Pyrimidopyrimidoindole Nucleosides:â€‰ Control of Photophysical Characterizations by Substituent Effects. Journal of Organic Chemistry, 2007, 72, 5046-5055.	3.2	63
3	Squaryl Group as a New Mimic of Phosphate Group in Modified Oligodeoxynucleotides:Â Synthesis and Properties of New Oligodeoxynucleotide Analogues Containing an Internucleotidic Squaryldiamide Linkage. Journal of the American Chemical Society, 2002, 124, 12715-12724.	13.7	61
4	Synthesis and properties of 2â€²-O-Methyl-2-thiouridine and oligoribonucleotides containing 2â€²-O-Methyl-2-thiouridine. Bioorganic and Medicinal Chemistry Letters, 2000, 10, 1795-1798.	2.2	49
5	O-Selectivity and Utility of Phosphorylation Mediated by Phosphite Triester Intermediates in the N-Unprotected Phosphoramidite Method. Journal of the American Chemical Society, 2004, 126, 10884-10896.	13.7	44
6	Synthesis and triplex-forming properties of oligonucleotides capable of recognizing corresponding DNA duplexes containing four base pairs. Nucleic Acids Research, 2015, 43, 5675-5686.	14.5	41
7	Synthesis and Properties of a New Fluorescent Bicyclic 4-N-Carbamoyldeoxycytidine Derivative. Organic Letters, 2006, 8, 1545-1548.	4.6	38
8	Synthesis and Properties of Oligonucleotides with Iodo-Substituted Aromatic Aglycons:â€‰ Investigation of Possible Halogen Bonding Base Pairs. Journal of Organic Chemistry, 2008, 73, 383-390.	3.2	38
9	Synthesis and Properties of New Nucleotide Analogues Possessing Squaramide Moieties as New Phosphate Isosters. European Journal of Organic Chemistry, 2005, 2005, 5163-5170.	2.4	35
10	Synthesis and Properties of Oligonucleotides Having a Phosphorus Chiral Center by Incorporation of Conformationally Rigid 5â€˜-Cyclouridylic Acid Derivatives. Journal of Organic Chemistry, 2000, 65, 6515-6524.	3.2	33
11	7-(Benzofuran-2-yl)-7-deazadeoxyguanosine as a fluorescence turn-ON probe for single-strand DNA binding protein. Chemical Communications, 2016, 52, 3809-3812.	4.1	33
12	Synthesis of 2â€²-O-[2-(N-Methylcarbamoyl)ethyl]ribonucleosides Using Oxa-Michael Reaction and Chemical and Biological Properties of Oligonucleotide Derivatives Incorporating These Modified Ribonucleosides. Journal of Organic Chemistry, 2011, 76, 3042-3053.	3.2	32
13	Chemical Synthesis and Properties of Conformationally Fixed Diuridine Monophosphates as Building Blocks of the RNA Turn Motif. Journal of Organic Chemistry, 1998, 63, 1429-1443.	3.2	31
14	A New Route to 2â€˜-O-Alkyl-2-thiouridine Derivatives via 4-O-Protection of the Uracil Base and Hybridization Properties of Oligonucleotides Incorporating These Modified Nucleoside Derivatives. Journal of Organic Chemistry, 2003, 68, 9971-9982.	3.2	30
15	Proton-Block Strategy for the Synthesis of Oligodeoxynucleotides without Base Protection, Capping Reaction, and Pâ€“N Bond Cleavage Reaction. Journal of Organic Chemistry, 2003, 68, 5478-5492.	3.2	29
16	Synthesis of 4-Thiouridine, 6-Thioinosine, and 6-Thioguanosine 3â€˜,5â€˜-O-Bisphosphates as Donor Molecules for RNA Ligation and Their Application to the Synthesis of Photoactivatable TMG-Capped U1 snRNA Fragments. Journal of Organic Chemistry, 2000, 65, 5104-5113.	3.2	28
17	New thermolytic carbamoyl groups for the protection of nucleobases. Organic and Biomolecular Chemistry, 2009, 7, 687.	2.8	28
18	Synthesis and Properties of Oligodeoxynucleotides Incorporating a Conformationally Rigid Uridine Unit Having a Cyclic Structure at the 5â€˜-Terminal Site. Journal of Organic Chemistry, 2000, 65, 3571-3578.	3.2	27

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19	Synthesis and properties of oligodeoxynucleotides containing 5-carboxy-2â€²-deoxycytidines. Bioorganic and Medicinal Chemistry Letters, 2008, 18, 274-277.	2.2	27
20	Controlling the Fluorescence of Benzofuranâ€Modified Uracil Residues in Oligonucleotides by Tripleâ€Helix Formation. ChemBioChem, 2015, 16, 167-176.	2.6	27
21	(+)-3-[2-(Benzo[b]thiophen-2-yl)-2-oxoethyl]-1-azabicyclo[2.2.2]octane as potent agonists for the Î±7 nicotinic acetylcholine receptor. Bioorganic and Medicinal Chemistry Letters, 2004, 14, 3781-3784.	2.2	26
22	Chemical synthesis of RNA via 2â€²-O-cyanoethylated intermediates. Tetrahedron, 2007, 63, 11195-11203.	1.9	26
23	Solid-phase synthesis of a 5â€²-terminal TMG-capped trinucleotide block of U1 snRNA. Tetrahedron Letters, 2001, 42, 8853-8856.	1.4	25
24	Synthesis and Properties of Oligothymidylates Incorporating an Artificial Bend Motif. Helvetica Chimica Acta, 2000, 83, 162-180.	1.6	24
25	Synthesis and Fluorescent Properties of Bi- and Tricyclic 4-N-Carbamoyldeoxycytidine Derivatives. Journal of Organic Chemistry, 2007, 72, 102-108.	3.2	23
26	Convenient Synthesis ofN-Unprotected Deoxynucleoside 3â€˜-Phosphoramidite Building Blocks by Selective Deacylation ofN-Acylated Species and Their Facile Conversion to OtherN-Functionalized Derivatives. Organic Letters, 2005, 7, 5389-5392.	4.6	22
27	Fluorescence Properties of Pyrimidopyrimidoindole Nucleoside dCPPI Incorporated into Oligodeoxynucleotides. Journal of Physical Chemistry B, 2009, 113, 9562-9569.	2.6	22
28	Improved synthesis of oligonucleotides containing 2-thiouridine derivatives by use of diluted iodine solution. Tetrahedron Letters, 2006, 47, 583-585.	1.4	21
29	Triplex forming ability of oligonucleotides containing 2â€²-O-methyl-2-thiouridine or 2-thiothymidine. Bioorganic and Medicinal Chemistry Letters, 2006, 16, 3334-3336.	2.2	21
30	Chemical Synthesis of a 5â€˜-Terminal TMG-Capped Triribonucleotide m32,2,7G5â€˜pppAmpUmpA of U1 RNA. Journal of Organic Chemistry, 1996, 61, 4412-4422.	3.2	20
31	Linear Relationship between Deformability and Thermal Stability of 2â€²-O-Modified RNA Hetero Duplexes. Journal of Physical Chemistry B, 2010, 114, 2517-2524.	2.6	20
32	Stable triplex formation using the strong stacking effect of consecutive thionucleoside moieties. Chemical Communications, 2011, 47, 12556.	4.1	20
33	Synthesis of 5â€²-Terminal Capped Oligonucleotides Using Oâ€“N Phosphoryl Migration of Phosphoramidite Derivatives. Organic Letters, 2012, 14, 10-13.	4.6	20
34	A new strategy for the synthesis of oligodeoxynucleotides directed towards perfect O -selective internucleotidic bond formation without base protection. Tetrahedron Letters, 2004, 45, 363-366.	1.4	19
35	New Nucleotide Pairs for Stable DNA Triplexes Stabilized by Stacking Interaction. Journal of the American Chemical Society, 2008, 130, 9622-9623.	13.7	19
36	Chemical Synthesis and Conformational Properties of a New Cyclouridylic Acid Having an Ethylene Bridge between the Uracil 5-Position and 5â€˜-Phosphate Group. Journal of Organic Chemistry, 1996, 61, 1500-1504.	3.2	18

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37	First Synthesis and Anticancer Activity of Phosmidosine and Its Related Compounds. Journal of Organic Chemistry, 2002, 67, 3290-3300.	3.2	18
38	A New Method for the Synthesis of Oligodeoxyribonucleotides Containing 4-N-Alkoxycarbonyldeoxycytidine Derivatives and Their Hybridization Properties. Journal of Organic Chemistry, 2002, 67, 476-485.	3.2	18
39	Use of Ferrocene Scaffolds as Pendant Groups in Hairpin-Type Pyrrole-Imidazole Polyamide Molecules Showing Sequence-Selective Binding to DNA Duplexes. Journal of Organic Chemistry, 2005, 70, 10311-10322.	3.2	18
40	Hybridization-dependent fluorescence of oligodeoxynucleotides incorporating new pyrene-modified adenosine residues. Bioorganic and Medicinal Chemistry, 2008, 16, 8287-8293.	3.0	18
41	â€˜Protected DNA Probesâ€™ capable of strong hybridization without removal of base protecting groups. Nucleic Acids Research, 2008, 36, 1952-1964.	14.5	18
42	Solvent- and environment-dependent fluorescence of modified nucleobases. Tetrahedron Letters, 2018, 59, 1977-1985.	1.4	18
43	The pathogenic A4269G mutation in human mitochondrial tRNAIlealters the T-stem structure and decreases the binding affinity for elongation factor Tu. Genes To Cells, 2004, 9, 243-252.	1.2	17
44	A new approach for pyrophosphate bond formation starting from phosphoramidite derivatives by use of 6-trifluoromethyl-1-hydroxybenzotriazole-mediated Oâ€“N phosphoryl migration. Tetrahedron Letters, 2004, 45, 979-982.	1.4	17
45	Synthesis of Branched Oligonucleotides with Three Different Sequences Using an Oxidatively Removable Tritylthio Group. Journal of Organic Chemistry, 2007, 72, 8259-8266.	3.2	17
46	Efficient synthesis of functionalized oligodeoxyribonucleotides with base-labile groups using a new silyl linker. Bioorganic and Medicinal Chemistry, 2008, 16, 5345-5351.	3.0	17
47	Synthesis and Triplex Formation of Oligonucleotides Containing 8-Thioxodeoxyadenosine. Organic Letters, 2009, 11, 605-608.	4.6	17
48	Fluorescence enhancement of oligodeoxynucleotides modified with green fluorescent protein chromophore mimics upon triplex formation. Organic and Biomolecular Chemistry, 2017, 15, 1190-1197.	2.8	17
49	Synthesis of pentathymidylate using a 4-monomethoxytritylthio (MMTrS) group as a 5â€²-hydroxyl protecting group: toward oligonucleotide synthesis without acid treatment. Tetrahedron Letters, 2001, 42, 8657-8660.	1.4	16
50	A New Silyl Ether-Type Linker Useful for the Automated Synthesis of Oligonucleotides Having Base-Labile Protective Groups. Chemistry Letters, 2002, 31, 16-17.	1.3	16
51	Synthesis and Structural Properties of New Oligodeoxynucleotide Analogues Containing a 2â€²,5â€²-Internucleotidic Squaryldiamide Linkage Capable of Formation of a Watsonâ€“Crick Base Pair with Adenine and a Wobble Base Pair with Guanine at the 3â€²-Downstream Junction Site. European Journal of Organic Chemistry, 2004, 2004, 2142-2150.	2.4	16
52	Chemically Stabilized Phenylboranylidene Groups Having a Dimethoxytrityl Group as a Colorimetrically Detectable Protecting Group Designed forcis-1,2-Diol Functions of Ribonucleosides in the Solid-Phase Synthesis of m22,2G5â€˜ppT. Journal of Organic Chemistry, 2005, 70, 8400-8408.	3.2	16
53	Study of the base discrimination ability of DNA and 2â€²-O-methylated RNA oligomers containing 2-thiouracil bases towards complementary RNA or DNA strands and their application to single base mismatch detection. Bioorganic and Medicinal Chemistry, 2008, 16, 6034-6041.	3.0	16
54	O-Selective Condensation Using Pâ€“N Bond Cleavage in RNA Synthesis without Base Protection. Organic Letters, 2008, 10, 2793-2796.	4.6	16

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55	Chemical Synthesis of U1 snRNA Derivatives. Organic Letters, 2013, 15, 4386-4389.	4.6	16
56	Essential Factors for Stabilization of the Predominant C3â€²-endo Conformation in Dinucleoside Phosphotriester Derivatives with Cyclonucleotide Bridge Structures at the Downstream 3â€²-Position. European Journal of Organic Chemistry, 2001, 2001, 1989-1999.	2.4	15
57	Computational Evaluation of Intermolecular Interactions of a Universal Base 3-Nitropyrrole in Stacked Dimers and DNA Duplexes. Journal of Biomolecular Structure and Dynamics, 2005, 22, 735-746.	3.5	15
58	Synthesis of Chemically Stabilized Phosmidosine Analogues and the Structureâ^'Activity Relationship of Phosmidosine. Journal of Organic Chemistry, 2004, 69, 314-326.	3.2	14
59	Synthesis of Benzodithiol-2-yl-Substituted Nucleoside Derivatives as Lead Compounds Having Anti-Bovine Viral Diarrhea Virus Activity. Journal of Medicinal Chemistry, 2004, 47, 5265-5275.	6.4	14
60	Enhanced Stereoselectivity in Internucleotidic Bond Formation by the Use of the Chiral Ribose Moiety of Thymidine. Journal of Organic Chemistry, 2003, 68, 3849-3859.	3.2	13
61	Synthesis and hybridization properties of 2â€²-O-methylated oligoribonucleotides incorporating 2â€²-O-naphthyluridines. Organic and Biomolecular Chemistry, 2011, 9, 210-218.	2.8	13
62	Synthesis and triplex-forming properties of oligonucleotides containing thio-substituted C-nucleoside 4-thiopseudoisocytidine. Tetrahedron Letters, 2011, 52, 407-410.	1.4	13
63	DNA-maleimide: An improved maleimide compound for electrophoresis-based titration of reactive thiols in a specific protein. Biochimica Et Biophysica Acta - General Subjects, 2013, 1830, 3077-3081.	2.4	13
64	Synthesis and antitumor activities of phosmidosine A and its N-acetylated derivative. Tetrahedron Letters, 2000, 41, 5881-5885.	1.4	12
65	Synthesis of thieno[2,3â€b][1,5]benzoxazepine derivatives. Journal of Heterocyclic Chemistry, 2002, 39, 163-171.	2.6	12
66	A convenient method for the conversion of Î²-thymidine to Î±-thymidine based on TMSOTf-mediated C1â€²-epimerization. Tetrahedron Letters, 2002, 43, 3251-3254.	1.4	12
67	Synthesis and hybridization affinity of oligodeoxyribonucleotides incorporating 4-N-(N-arylcarbamoyl)deoxycytidine derivatives. Tetrahedron Letters, 2004, 45, 9365-9368.	1.4	12
68	Facile synthesis of 2â€²-O-cyanoethyluridine by ring-opening reaction of 2,2â€²-anhydrouridine with cyanoethyl trimethylsilyl ether in the presence of BF3Â·Et2O. Tetrahedron Letters, 2007, 48, 8554-8557.	1.4	12
69	Oligonucleotide Synthesis Involving Deprotection of Amidine-Type Protecting Groups for Nucleobases under Acidic Conditions. Organic Letters, 2010, 12, 2496-2499.	4.6	12
70	Prediction of the stability of modified RNA duplexes based on deformability analysis: oligoribonucleotide derivatives modified with 2â€²-O-cyanoethyl-5-propynyl-2-thiouridine as a promising component. Chemical Communications, 2012, 48, 7313.	4.1	12
71	Nano-Scale Alignment of Proteins on a Flexible DNA Backbone. PLoS ONE, 2012, 7, e52534.	2.5	12
72	cis-Tetrahydrofuran-3,4-diol Structure as a Key Skeleton of New Protecting Groups Removable by Self-Cyclization under Oxidative Conditions. Journal of Organic Chemistry, 2006, 71, 7668-7677.	3.2	11

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73	Development of an efficient method for phosphorodiamidate bond formation by using inorganic salts. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 1445-1447.	2.2	11
74	Synthesis and properties of a pyrroleâ€“imidazole polyamide having a ferrocene dicarboxylic amide linker. Tetrahedron Letters, 2004, 45, 6783-6786.	1.4	10
75	Synthesis of 2â€²-O-methyl-RNAs incorporating a 3-deazaguanine, and UV melting and computational studies on its hybridization properties. Nucleic Acids Research, 2006, 34, 4324-4334.	14.5	10
76	1,1-Dihydroperoxycyclododecane as a new, crystalline non-hygroscopic oxidizer for the chemical synthesis of oligodeoxyribonucleotides. Tetrahedron Letters, 2006, 47, 8945-8947.	1.4	10
77	Conformational Studies of 4-N-Carbamoyldeoxycytidine Derivatives and Synthesis and Hybridization Properties of Oligodeoxyribonucleotides Incorporating these Modified Bases. European Journal of Organic Chemistry, 2006, 2006, 3626-3637.	2.4	10
78	Microwave-Assisted Synthesis of 2â€²-O-Aryluridine Derivatives. Organic Letters, 2009, 11, 5582-5585.	4.6	10
79	DNA duplexes and triplex-forming oligodeoxynucleotides incorporating modified nucleosides forming stable and selective triplexes. Organic and Biomolecular Chemistry, 2012, 10, 1007-1013.	2.8	10
80	Synthesis and properties of oligonucleotides modified with 2â€²-O-(2-carboxyethyl)nucleotides and their carbamoyl derivatives. Organic and Biomolecular Chemistry, 2014, 12, 6457.	2.8	10
81	Synthesis of photocaged 6- O -(2-nitrobenzyl)guanosine and 4- O -(2-nitrobenzyl) uridine triphosphates for photocontrol of the RNA transcription reaction. Bioorganic and Medicinal Chemistry, 2017, 25, 6007-6015.	3.0	10
82	Application of 2â€²-O-(2-N-Methylcarbamoylethyl) Nucleotides in RNase H-Dependent Antisense Oligonucleotides. Nucleic Acid Therapeutics, 2018, 28, 307-311.	3.6	10
83	DNA triplex-based fluorescence turn-on sensors for adenosine using a fluorescent molecular rotor 5-(3-methylbenzofuran-2-yl) deoxyuridine. Organic and Biomolecular Chemistry, 2019, 17, 2077-2080.	2.8	10
84	Binding of MutS protein to oligonucleotides containing a methylated or an ethylated guanine residue, and correlation with mutation frequency. Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis, 2008, 640, 107-112.	1.0	9
85	Synthesis and Properties of DNA Oligomers Containing 2â€˜-Deoxynucleoside N-Oxide Derivatives. Journal of Organic Chemistry, 2008, 73, 1217-1224.	3.2	9
86	Efficient solid-phase synthesis of oligodeoxynucleotides having a 5â€²-terminal 2,2,7-trimethylguanosine pyrophosphate linkage. Bioorganic and Medicinal Chemistry, 2009, 17, 4819-4824.	3.0	9
87	Biochemical behavior of N-oxidized cytosine and adenine bases in DNA polymerase-mediated primer extension reactions. Nucleic Acids Research, 2011, 39, 2995-3004.	14.5	9
88	Formation of new base pairs between inosine and 5-methyl-2-thiocytidine derivatives. Organic and Biomolecular Chemistry, 2012, 10, 2008.	2.8	9
89	Remarkable stabilization of antiparallel DNA triplexes by strong stacking effects of consecutively modified nucleobases containing thiocarbonyl groups. Bioorganic and Medicinal Chemistry Letters, 2013, 23, 776-778.	2.2	9
90	Photo-controlled binding of MutS to photo-caged DNA duplexes incorporating 4- O -(2-nitrobenzyl) or 4- O -[2-(2-nitrophenyl)propyl]thymidine. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 4861-4863.	2.2	9

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91	Synthesis of TMG-capped RNAâ€“DNA chimeric oligonucleotides. Tetrahedron Letters, 2003, 44, 1703-1707.	1.4	8
92	Synthesis and Stability of 1-Phenylethenyl Phosphate Derivatives and their Phosphoryl Transfer Activity. Letters in Organic Chemistry, 2004, 1, 140-144.	0.5	8
93	New Protected Protecting Groups for the 5â€²-Hydroxy Group of Deoxynucleosides by Use of 2-(Hydroxymethyl)- and 2-[(Methylamino)methyl]benzoyl Skeletons and Oxidatively Cleavable Tritylthio and (4-Methoxytrityl)thio Groups. Helvetica Chimica Acta, 2004, 87, 2318-2333.	1.6	8
94	Synthesis of a biotin-conjugate of phosmidosine O-ethyl ester as a G1 arrest antitumor drug. Bioorganic and Medicinal Chemistry, 2004, 12, 6343-6349.	3.0	8
95	Highly Selective Recognition of Cytosine over Uracil and Adenine by a Guanine Analogue, 2-N-Acetyl-3-deazaguanine, in 2â€˜-O-Methyl-RNA/RNA and DNA Duplexes. Journal of the American Chemical Society, 2007, 129, 1026-1027.	13.7	8
96	Synthesis and hybridization properties of 2â€²-O-(tetrazol-5-yl)ethyl-modified oligonucleotides. Tetrahedron, 2008, 64, 4370-4376.	1.9	8
97	Introduction of 3â€²-Terminal Nucleosides Having a Silyl-Type Linker into Polymer Supports without Base Protection. Journal of Organic Chemistry, 2009, 74, 2817-2823.	3.2	8
98	Synthesis of 4-Thiopseudoisocytidine and 4-Thiopseudouridine as Components of Triplex-forming Oligonucleotides. Chemistry Letters, 2009, 38, 174-175.	1.3	8
99	Synthesis and properties of cationic 2â€²-O-[N-(4-aminobutyl)carbamoyl] modified oligonucleotides. Bioorganic and Medicinal Chemistry Letters, 2012, 22, 2470-2473.	2.2	8
100	Fluorescent properties of oligonucleotides doubly modified with an indole-fused cytosine analog and 2-aminopurine. Bioorganic and Medicinal Chemistry, 2013, 21, 3197-3201.	3.0	8
101	Effective Strategy for Conformer-Selective Detection of Short-Lived Excited State Species: Application to the IR Spectroscopy of the N1H Keto Tautomer of Guanine. Journal of Physical Chemistry A, 2016, 120, 2179-2184.	2.5	8
102	Deoxynucleoside Triphosphate Containing Pyridazin-3-one Aglycon as a Thymidine Triphosphate Substitute for Primer Extension and Chain Elongation by Klenow Fragments. Journal of Organic Chemistry, 2018, 83, 8353-8363.	3.2	8
103	A photochemical/chemical direct method of synthesizing high-performance deoxyribonucleic acid chips for rapid and parallel gene analysis. Sensors and Actuators B: Chemical, 2002, 83, 67-76.	7.8	7
104	Synthesis of oligodeoxyribonucleotides containing hydroxymethylphosphonate bonds in the phosphoramidite method and their hybridization properties. Tetrahedron Letters, 2005, 46, 8953-8957.	1.4	7
105	Synthesis and hybridization properties of oligodeoxynucleotides incorporating 2-N-carbamoylguanine derivatives as guanine analogs. Tetrahedron Letters, 2007, 48, 5325-5329.	1.4	7
106	Synthesis and hybridization of 2â€²-O-methyl-RNAs incorporating 2â€²-O-carbamoyluridine and unique participation of the carbamoyl group in Uâ€“G base pair. Bioorganic and Medicinal Chemistry, 2009, 17, 7275-7280.	3.0	7
107	Synthesis of terminally modified oligonucleotides and their hybridization dependence on the size of the target RNAs. Organic and Biomolecular Chemistry, 2009, 7, 2440.	2.8	7
108	Synthesis of Oligodeoxynucleotides Using Fully Protected Deoxynucleoside 3â€²-Phosphoramidite Building Blocks and Base Recognition of Oligodeoxynucleotides Incorporating N3-Cyano-Ethylthymine. Molecules, 2010, 15, 7509-7531.	3.8	7

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109	Synthesis of oligodeoxynucleotides using the oxidatively cleavable 4-methoxytritylthio (MMTrS) group for protection of the 5â€²-hydroxyl group. New Journal of Chemistry, 2010, 34, 984.	2.8	7
110	Synthesis of Peptide Nucleic Acids Containing Pyridazine Derivatives As Cytosine and Thymine Analogs, and Their Duplexes with Complementary Oligodeoxynucleotides. Organic Letters, 2015, 17, 1609-1612.	4.6	7
111	Enzymatic synthesis and reverse transcription of RNAs incorporating 2â€²-O-carbamoyl uridine triphosphate. Chemical Communications, 2016, 52, 12889-12892.	4.1	7
112	Selective and stable base pairing by alkynylated nucleosides featuring a spatially-separated recognition interface. Nucleic Acids Research, 2022, 50, 3042-3055.	14.5	7
113	Synthesis and properties of N-tritylthio nucleoside derivatives and reductive removal of the tritylthio group by use of tributyltin hydride and tris(trimethylsilyl)silane. Journal of the Chemical Society Perkin Transactions 1, 1993, , 3087.	0.9	6
114	Synthesis of Uridylyl (3â€²-5â€²) Uridine Derivatives Containing 5-(Methylamino-Methyl) Uridine as A Modified Nucleoside Found fromE. COLIMinor tRNA^{Arg}. Nucleosides & Nucleotides, 1993, 12, 305-321.	0.5	6
115	Synthesis and Properties of Conformationally Rigid Cyclouridylic Acids Having Covalent Bonding Linkers Between the Uracil 5-Position and the 5â€²-Phosphate Group. Nucleosides & Nucleotides, 1997, 16, 1023-1032.	0.5	6
116	Total Synthesis of Agrocin 84 and Phosmidosine as Naturally Occurring Nucleotidic Antibiotics Having P-N Bond Linkages.. Yuki Gosei Kagaku Kyokaishi/Journal of Synthetic Organic Chemistry, 2001, 59, 1109-1120.	0.1	6
117	Synthesis and properties of a new oligonucleotide analogue containing an internucleotide squaryl amide linkage. Nucleic Acids Symposium Series, 2001, 1, 121-122.	0.3	6
118	Substituent and Solvent Effects of TMS Triflate Mediated C1â€² Epimerization of Î²-Thymidine to Î±-Thymidine. European Journal of Organic Chemistry, 2002, 2002, 87-93.	2.4	6
119	A new hydrophobic linker effective for the in situ synthesis of DNAâ€“CPG conjugates as tools for SNP analysis. Tetrahedron Letters, 2007, 48, 5147-5150.	1.4	6
120	A new modified cytosine base capable of base pairing with guanine using four hydrogen bonds. Organic and Biomolecular Chemistry, 2014, 12, 2255-2262.	2.8	6
121	Synthesis of Responsive Fluorescent Nucleobases 7-(Benzofuran-2-yl)-7-deazahypoxanthine and 7-(Benzofuran-2-yl)-7-deazaguanine Using Cross-coupling Reaction. Chemistry Letters, 2015, 44, 64-66.	1.3	6
122	Enhancement of exon skipping in mdx52 mice by 2â€²-O-methyl-2-thioribothymidine incorporation into phosphorothioate oligonucleotides. MedChemComm, 2015, 6, 630-633.	3.4	6
123	Structureâ€“activity relationship of phosmidosine: importance of the 7,8-dihydro-8-oxoadenosine residue for antitumor activity. Bioorganic and Medicinal Chemistry, 2004, 12, 5193-5201.	3.0	5
124	Incorporation of 2â€²-O-Methyl-2-thiouridine into Oligoribonucleotides Induced Stable A-form Structure. Chemistry Letters, 2006, 35, 136-137.	1.3	5
125	An effective method for the in situ synthesis of DNAâ€“CPG conjugates using chemical ligation technology as tools for SNP analysis. Bioorganic and Medicinal Chemistry Letters, 2007, 17, 5969-5973.	2.2	5
126	Synthesis of 6-N-(benzothiazol-2-yl)deoxyadenosine and its exciton-coupled circular dichroism. Bioorganic and Medicinal Chemistry, 2010, 18, 567-572.	3.0	5

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127	Short-RNA selective binding of oligonucleotides modified using adenosine and guanosine derivatives that possess cyclohexylphosphates as substituents. Organic and Biomolecular Chemistry, 2012, 10, 994-1006.	2.8	5
128	Design, Synthesis, and Properties of Phosphoramidate 2â€²,5â€²-Linked Branched RNA: Toward the Rational Design of Inhibitors of the RNA Lariat Debranching Enzyme. Journal of Organic Chemistry, 2015, 80, 10108-10118.	3.2	5
129	A Systematic Study of the Synthesis of 2Ê¹-Deoxynucleosides by Mitsunobu Reaction. Synlett, 2017, 28, 2014-2017.	1.8	5
130	Synthesis of oligonucleotides containing 2-N-heteroarylguanine residues and their effect on duplex/triplex stability. Organic and Biomolecular Chemistry, 2017, 15, 8371-8383.	2.8	5
131	A theoretical study on the elimination reaction of acrylonitrile from 2â€²-O-cyanoethylated nucleosides by Bu4NF. Tetrahedron, 2019, 75, 1-9.	1.9	5
132	Title is missing!. Helvetica Chimica Acta, 2002, 85, 2930-2945.	1.6	4
133	4,5-BIS(ETHOXYCARBONYL)-[1,3]DIOXOLAN-2-YL AS A NEW ORTHOESTER-TYPE PROTECTING GROUP FOR THE 2â€²-HYDROXYL FUNCTION IN THE CHEMICAL SYNTHESIS OF RNA. Nucleosides, Nucleotides and Nucleic Acids, 2005, 24, 1111-1114.	1.1	4
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