

Kohji Seio

List of Publications by Year in descending order

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papers

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#	ARTICLE	IF	CITATIONS
1	Oligodeoxynucleotides Modified with 2'-O-(Cysteinylaminobutyl)carbamoylethylribothymidine Residues for Native Chemical Ligation with Peptide at Internal Positions. <i>Bioconjugate Chemistry</i> , 2022, 33, 272-278.	3.6	2
2	Selective and stable base pairing by alkynylated nucleosides featuring a spatially-separated recognition interface. <i>Nucleic Acids Research</i> , 2022, 50, 3042-3055.	14.5	7
3	Synthesis of 2'-O-alkylcarbamoylethyl-modified oligonucleotides with enhanced nuclease resistance that form isostable duplexes with complementary RNA. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 35, 127779.	2.2	2
4	Synthesis of Deoxypseudouridine 5'-Triphosphate Bearing the Photoremovable Protecting Group at the N1 Position Capable of Enzymatic Incorporation to DNA. <i>Journal of Organic Chemistry</i> , 2020, 85, 1861-1870.	3.2	4
5	Transcription of DNA duplex containing deoxypseudouridine and deoxypseudoisocytidine, and inhibition of transcription by triplex forming oligonucleotide that recognizes the modified duplex. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2020, 39, 892-904.	1.1	2
6	Crystal structure of a DNA duplex cross-linked by 6-thioguanine-6-thioguanine disulfides: reversible formation and cleavage catalyzed by Cu(II) ions and glutathione. <i>RSC Advances</i> , 2019, 9, 22859-22862.	3.6	0
7	Tolerance of N ² -heteroaryl modifications on guanine bases in a DNA G-quadruplex. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 859-866.	2.8	1
8	DNA triplex-based fluorescence turn-on sensors for adenosine using a fluorescent molecular rotor 5-(3-methylbenzofuran-2-yl) deoxyuridine. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 2077-2080.	2.8	10
9	Modification of oligonucleotides with weak basic residues via the 2'-O-carbamoylethyl linker for improving nuclease resistance without loss of duplex stability and antisense activity. <i>Organic and Biomolecular Chemistry</i> , 2019, 17, 4835-4842.	2.8	3
10	A theoretical study on the elimination reaction of acrylonitrile from 2'-O-cyanoethylated nucleosides by Bu ₄ NF. <i>Tetrahedron</i> , 2019, 75, 1-9.	1.9	5
11	Synthesis of 2'-O-(N-methylcarbamoylethyl) 5-methyl-2-thiouridine and its application to splice-switching oligonucleotides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2019, 29, 160-163.	2.2	2
12	Solvent- and environment-dependent fluorescence of modified nucleobases. <i>Tetrahedron Letters</i> , 2018, 59, 1977-1985.	1.4	18
13	Effects of 2'-O-Modifications on RNA Duplex Stability. , 2018, , 187-199.		0
14	Nucleosides and Oligonucleotides Incorporating 2-Thiothymine or 2-Thiouracil Derivatives as Modified Nucleobases. , 2018, , 115-130.		1
15	Deoxynucleoside Triphosphate Containing Pyridazin-3-one Aglycon as a Thymidine Triphosphate Substitute for Primer Extension and Chain Elongation by Klenow Fragments. <i>Journal of Organic Chemistry</i> , 2018, 83, 8353-8363.	3.2	8
16	Application of 2'-O-(2'-N-Methylcarbamoylethyl) Nucleotides in RNase H-Dependent Antisense Oligonucleotides. <i>Nucleic Acid Therapeutics</i> , 2018, 28, 307-311.	3.6	10
17	Synthesis of and triplex formation in oligonucleotides containing 2'-deoxy-6-thioxanthosine. <i>Bioorganic and Medicinal Chemistry</i> , 2018, 26, 3785-3790.	3.0	4
18	Non-protected Synthesis of Oligonucleotides. , 2018, , 3-16.		0

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19	Synthesis of Fluorescent Nucleic Acids bearing Nucleobases Modified with Heteroaryl Group and Fluorophores. Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry, 2018, 76, 792-801.	0.1	0
20	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
21	Deformability Calculation for Estimation of the Relative Stability of Chemically Modified RNA Duplexes. Current Protocols in Nucleic Acid Chemistry, 2017, 68, 7.27.1-7.27.10.	0.5	0
22	A Systematic Study of the Synthesis of 2 ^E -Deoxynucleosides by Mitsunobu Reaction. Synlett, 2017, 28, 2014-2017.	1.8	5
23	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
24	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
25	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
26	Synthesis of 5-[3-(2-aminopyrimidin-4-yl)aminopropyn-1-yl]uracil derivative that recognizes Ade-Thy base pairs in double-stranded DNA. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 194-196.	2.2	1
27	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
28	Enzymatic synthesis and reverse transcription of RNAs incorporating 2 ^E -O-carbamoyl uridine triphosphate. Chemical Communications, 2016, 52, 12889-12892.	4.1	7
29	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
30	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
31	Controlling the Fluorescence of Benzofuran ϵ Modified Uracil Residues in Oligonucleotides by Triple ϵ Helix Formation. ChemBioChem, 2015, 16, 167-176.	2.6	27
32	Enhancement of exon skipping in mdx52 mice by 2 ^E -O-methyl-2-thioribothymidine incorporation into phosphorothioate oligonucleotides. MedChemComm, 2015, 6, 630-633.	3.4	6
33	A New Microfluidic Phase-Transfer Reaction Using HPLC Guard Columns as the Reactor for the N3-Protection of Uridine Derivatives. Synlett, 2015, 26, 2578-2582.	1.8	0
34	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
35	Design, Synthesis, and Properties of Phosphoramidate 2 ^E ,5 ^E -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
36	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

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37	A new modified cytosine base capable of base pairing with guanine using four hydrogen bonds. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 2255-2262.	2.8	6
38	Synthesis and properties of oligonucleotides modified with 2'-O-(2-carboxyethyl)nucleotides and their carbamoyl derivatives. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 6457.	2.8	10
39	Properties of 5- and/or 2'-modified 2'-O-cyanoethyl uridine residue: 2'-O-cyanoethyl-5-propynyl-2-thiouridine as an efficient duplex stabilizing component. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 1157.	2.8	3
40	Synthesis of Branched DNA Using Oxidatively Cleavable Tritylsulphenyl as a Hydroxy Protecting Group. <i>Current Protocols in Nucleic Acid Chemistry</i> , 2014, 58, 2.18.1-19.	0.5	1
41	Development of New Methods for Synthesis of Artificial Nucleic Acids having Various Functional Groups. <i>Yuki Gosei Kagaku Kyokaiishi/Journal of Synthetic Organic Chemistry</i> , 2014, 72, 899-909.	0.1	2
42	Synthesis and Exon-Skipping Activity of Chemically Modified RNAs. , 2014, , 497-510.		0
43	Chemical Synthesis of U1 snRNA Derivatives. <i>Organic Letters</i> , 2013, 15, 4386-4389.	4.6	16
44	Assembly of pyrene-modified DNA/RNA duplexes incorporating a G-rich single strand region. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 6822-6824.	2.2	3
45	DNA-maleimide: An improved maleimide compound for electrophoresis-based titration of reactive thiols in a specific protein. <i>Biochimica Et Biophysica Acta - General Subjects</i> , 2013, 1830, 3077-3081.	2.4	13
46	Modified oligodeoxynucleotide primers for reverse-transcription of target RNAs that can discriminate among length variants at the 3'-terminus. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 8276.	2.8	1
47	Remarkable stabilization of antiparallel DNA triplexes by strong stacking effects of consecutively modified nucleobases containing thiocarbonyl groups. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 776-778.	2.2	9
48	Base recognition of gap sites in DNA-DNA and DNA-RNA duplexes by short oligonucleotides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2013, 23, 3448-3451.	2.2	2
49	Fluorescent properties of oligonucleotides doubly modified with an indole-fused cytosine analog and 2-aminopurine. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 3197-3201.	3.0	8
50	Short-RNA selective binding of oligonucleotides modified using adenosine and guanosine derivatives that possess cyclohexylphosphates as substituents. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 994-1006.	2.8	5
51	DNA duplexes and triplex-forming oligodeoxynucleotides incorporating modified nucleosides forming stable and selective triplexes. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1007-1013.	2.8	10
52	Formation of new base pairs between inosine and 5-methyl-2-thiocytidine derivatives. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 2008.	2.8	9
53	Synthesis of 5'-Terminal Capped Oligonucleotides Using O ⁶ -N Phosphoryl Migration of Phosphoramidite Derivatives. <i>Organic Letters</i> , 2012, 14, 10-13.	4.6	20
54	Prediction of the stability of modified RNA duplexes based on deformability analysis: oligoribonucleotide derivatives modified with 2'-O-cyanoethyl-5-propynyl-2-thiouridine as a promising component. <i>Chemical Communications</i> , 2012, 48, 7313.	4.1	12

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55	Nano-Scale Alignment of Proteins on a Flexible DNA Backbone. <i>PLoS ONE</i> , 2012, 7, e52534.	2.5	12
56	Development of an efficient method for phosphorodiamidate bond formation by using inorganic salts. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 1445-1447.	2.2	11
57	Synthesis and properties of cationic 2'-O-[N-(4-aminobutyl)carbamoyl] modified oligonucleotides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2012, 22, 2470-2473.	2.2	8
58	Stable triplex formation using the strong stacking effect of consecutive thionucleoside moieties. <i>Chemical Communications</i> , 2011, 47, 12556.	4.1	20
59	Synthesis of 2'-O-[2-(N-Methylcarbamoyl)ethyl]ribonucleosides Using Oxa-Michael Reaction and Chemical and Biological Properties of Oligonucleotide Derivatives Incorporating These Modified Ribonucleosides. <i>Journal of Organic Chemistry</i> , 2011, 76, 3042-3053.	3.2	32
60	Synthesis and hybridization properties of 2'-O-methylated oligoribonucleotides incorporating 2'-O-naphthyluridines. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 210-218.	2.8	13
61	Synthesis and triplex-forming properties of oligonucleotides containing thio-substituted C-nucleoside 4-thiopseudoisocytidine. <i>Tetrahedron Letters</i> , 2011, 52, 407-410.	1.4	13
62	Biochemical behavior of N-oxidized cytosine and adenine bases in DNA polymerase-mediated primer extension reactions. <i>Nucleic Acids Research</i> , 2011, 39, 2995-3004.	14.5	9
63	Synthesis and Hybridization Properties of Oligonucleotides Incorporating Bi- and Tricyclic Cytosine Derivatives. <i>Chemistry Letters</i> , 2010, 39, 726-727.	1.3	2
64	Synthesis and biochemical properties of oligodeoxynucleotides acylated by the chemically stable 2-(trimethylsilyl)benzoyl (TMSBz) group at the 5' or 3' terminus. <i>Tetrahedron Letters</i> , 2010, 51, 5173-5176.	1.4	3
65	Synthesis of 6-N-(benzothiazol-2-yl)deoxyadenosine and its exciton-coupled circular dichroism. <i>Bioorganic and Medicinal Chemistry</i> , 2010, 18, 567-572.	3.0	5
66	Linear Relationship between Deformability and Thermal Stability of 2'-O-Modified RNA Hetero Duplexes. <i>Journal of Physical Chemistry B</i> , 2010, 114, 2517-2524.	2.6	20
67	Oligonucleotide Synthesis Involving Deprotection of Amidine-Type Protecting Groups for Nucleobases under Acidic Conditions. <i>Organic Letters</i> , 2010, 12, 2496-2499.	4.6	12
68	Synthesis of Oligodeoxynucleotides Using Fully Protected Deoxynucleoside 3'-Phosphoramidite Building Blocks and Base Recognition of Oligodeoxynucleotides Incorporating N3-Cyano-Ethylthymine. <i>Molecules</i> , 2010, 15, 7509-7531.	3.8	7
69	Synthesis of oligodeoxynucleotides using the oxidatively cleavable 4-methoxytritylthio (MMTrS) group for protection of the 5'-hydroxyl group. <i>New Journal of Chemistry</i> , 2010, 34, 984.	2.8	7
70	Synthesis and properties of terminally modified oligonucleotides capable of short-RNA selective hybridization. <i>Nucleic Acids Symposium Series</i> , 2009, 53, 13-14.	0.3	1
71	Computational evaluation of the stability of 2'-O-methyl-RNA/RNA duplexes incorporating 3-deazaguanine derivatives by ab initio calculations and a molecular dynamics simulation. <i>Computational and Theoretical Chemistry</i> , 2009, 899, 54-60.	1.5	4
72	Synthesis of oligodeoxynucleotides incorporating 2-N-carbamoylguanine and evaluation of the hybridization properties. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 1398-1403.	3.0	4

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73	Efficient solid-phase synthesis of oligodeoxynucleotides having a 5'-terminal 2,2,7-trimethylguanosine pyrophosphate linkage. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 4819-4824.	3.0	9
74	Synthesis and properties of nucleoside derivatives acylated by chemically stable 2-(trimethylsilyl)benzoyl group. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 5928-5932.	3.0	2
75	Synthesis and hybridization of 2'-O-methyl-RNAs incorporating 2'-O-carbamoyluridine and unique participation of the carbamoyl group in U-G base pair. <i>Bioorganic and Medicinal Chemistry</i> , 2009, 17, 7275-7280.	3.0	7
76	Introduction of 3'-Terminal Nucleosides Having a Silyl-Type Linker into Polymer Supports without Base Protection. <i>Journal of Organic Chemistry</i> , 2009, 74, 2817-2823.	3.2	8
77	Fluorescence Properties of Pyrimidopyrimidoindole Nucleoside dCPPI Incorporated into Oligodeoxynucleotides. <i>Journal of Physical Chemistry B</i> , 2009, 113, 9562-9569.	2.6	22
78	Synthesis and Triplex Formation of Oligonucleotides Containing 8-Thioxodeoxyadenosine. <i>Organic Letters</i> , 2009, 11, 605-608.	4.6	17
79	Microwave-Assisted Synthesis of 2'-O-Aryluridine Derivatives. <i>Organic Letters</i> , 2009, 11, 5582-5585.	4.6	10
80	Synthesis of terminally modified oligonucleotides and their hybridization dependence on the size of the target RNAs. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 2440.	2.8	7
81	New thermolytic carbamoyl groups for the protection of nucleobases. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 687.	2.8	28
82	Synthesis of 4-Thiopseudoisocytidine and 4-Thiopseudouridine as Components of Triplex-forming Oligonucleotides. <i>Chemistry Letters</i> , 2009, 38, 174-175.	1.3	8
83	Efficient synthesis of functionalized oligodeoxyribonucleotides with base-labile groups using a new silyl linker. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 5345-5351.	3.0	17
84	Study of the base discrimination ability of DNA and 2'-O-methylated RNA oligomers containing 2-thiouracil bases towards complementary RNA or DNA strands and their application to single base mismatch detection. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 6034-6041.	3.0	16
85	Hybridization-dependent fluorescence of oligodeoxynucleotides incorporating new pyrene-modified adenosine residues. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 8287-8293.	3.0	18
86	Synthesis and hybridization properties of 2'-O-(tetrazol-5-yl)ethyl-modified oligonucleotides. <i>Tetrahedron</i> , 2008, 64, 4370-4376.	1.9	8
87	Synthesis and properties of oligodeoxynucleotides containing 5-carboxy-2'-deoxycytidines. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 274-277.	2.2	27
88	Binding of MutS protein to oligonucleotides containing a methylated or an ethylated guanine residue, and correlation with mutation frequency. <i>Mutation Research - Fundamental and Molecular Mechanisms of Mutagenesis</i> , 2008, 640, 107-112.	1.0	9
89	New Nucleotide Pairs for Stable DNA Triplexes Stabilized by Stacking Interaction. <i>Journal of the American Chemical Society</i> , 2008, 130, 9622-9623.	13.7	19
90	Synthesis and Properties of DNA Oligomers Containing 2'-Deoxynucleoside N-Oxide Derivatives. <i>Journal of Organic Chemistry</i> , 2008, 73, 1217-1224.	3.2	9

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91	<i>i>O</i>-Selective Condensation Using P^N Bond Cleavage in RNA Synthesis without Base Protection. <i>Organic Letters</i>, 2008, 10, 2793-2796.</i>	4.6	16
92	Synthesis and Properties of Oligonucleotides with Iodo-Substituted Aromatic Aglycons: Investigation of Possible Halogen Bonding Base Pairs. <i>Journal of Organic Chemistry</i> , 2008, 73, 383-390.	3.2	38
93	Protected DNA Probes capable of strong hybridization without removal of base protecting groups. <i>Nucleic Acids Research</i> , 2008, 36, 1952-1964.	14.5	18
94	Protected DNA probes (PDP): a new strategy for gene detection. , 2008, , .		0
95	Highly Selective Recognition of Cytosine over Uracil and Adenine by a Guanine Analogue, 2-N-Acetyl-3-deazaguanine, in 2'-O-Methyl-RNA/RNA and DNA Duplexes. <i>Journal of the American Chemical Society</i> , 2007, 129, 1026-1027.	13.7	8
96	Synthesis of Branched Oligonucleotides with Three Different Sequences Using an Oxidatively Removable Tritylthio Group. <i>Journal of Organic Chemistry</i> , 2007, 72, 8259-8266.	3.2	17
97	A Pyrimidopyrimidoindole Nucleoside (dC ^{PPI}): Photophysical Properties and Thermal Stability of the Modified Dna Duplexes. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1335-1338.	1.1	4
98	Synthesis and Fluorescent Properties of Bi- and Tricyclic 4-N-Carbamoyldeoxycytidine Derivatives. <i>Journal of Organic Chemistry</i> , 2007, 72, 102-108.	3.2	23
99	Synthesis and Hybridization Properties of Oligodeoxynucleotides with Long Chain Linkers. <i>Helvetica Chimica Acta</i> , 2007, 90, 1946-1965.	1.6	2
100	Chemical properties of 4,5-di(ethoxycarbonyl)-1,3-dioxolane-2-yl (DECDO) as a hydroxyl protecting group of the 2'-hydroxyl function in ribonucleosides. <i>Journal of Heterocyclic Chemistry</i> , 2007, 44, 329-336.	2.6	2
101	Chemical synthesis of RNA via 2'-O-cyanoethylated intermediates. <i>Tetrahedron</i> , 2007, 63, 11195-11203.	1.9	26
102	Synthesis and hybridization properties of oligodeoxynucleotides incorporating 2-N-carbamoylguanine derivatives as guanine analogs. <i>Tetrahedron Letters</i> , 2007, 48, 5325-5329.	1.4	7
103	A new hydrophobic linker effective for the in situ synthesis of DNA-CPG conjugates as tools for SNP analysis. <i>Tetrahedron Letters</i> , 2007, 48, 5147-5150.	1.4	6
104	Facile synthesis of 2'-O-cyanoethyluridine by ring-opening reaction of 2,2'-anhydrouridine with cyanoethyl trimethylsilyl ether in the presence of BF ₃ ·Et ₂ O. <i>Tetrahedron Letters</i> , 2007, 48, 8554-8557.	1.4	12
105	An effective method for the in situ synthesis of DNA-CPG conjugates using chemical ligation technology as tools for SNP analysis. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 5969-5973.	2.2	5
106	Fluorescent Pyrimidopyrimidoindole Nucleosides: Control of Photophysical Characterizations by Substituent Effects. <i>Journal of Organic Chemistry</i> , 2007, 72, 5046-5055.	3.2	63
107	Synthesis of 2'-O-methyl-RNAs incorporating a 3-deazaguanine, and UV melting and computational studies on its hybridization properties. <i>Nucleic Acids Research</i> , 2006, 34, 4324-4334.	14.5	10
108	Synthesis and Properties of a New Fluorescent Bicyclic 4-N-Carbamoyldeoxycytidine Derivative. <i>Organic Letters</i> , 2006, 8, 1545-1548.	4.6	38

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109	cis-Tetrahydrofuran-3,4-diol Structure as a Key Skeleton of New Protecting Groups Removable by Self-Cyclization under Oxidative Conditions. <i>Journal of Organic Chemistry</i> , 2006, 71, 7668-7677.	3.2	11
110	Incorporation of 2'-O-Methyl-2-thiouridine into Oligoribonucleotides Induced Stable A-form Structure. <i>Chemistry Letters</i> , 2006, 35, 136-137.	1.3	5
111	DNA Synthesis Without Base Protection Using the Phosphoramidite Approach. , 2006, Chapter 3, 3.15.1-3.15.22.		2
112	Improved synthesis of oligonucleotides containing 2-thiouridine derivatives by use of diluted iodine solution. <i>Tetrahedron Letters</i> , 2006, 47, 583-585.	1.4	21
113	1,1-Dihydroperoxycyclododecane as a new, crystalline non-hygroscopic oxidizer for the chemical synthesis of oligodeoxyribonucleotides. <i>Tetrahedron Letters</i> , 2006, 47, 8945-8947.	1.4	10
114	Triplex forming ability of oligonucleotides containing 2'-O-methyl-2-thiouridine or 2-thiothymidine. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2006, 16, 3334-3336.	2.2	21
115	Conformational Studies of 4-N-Carbamoyldeoxycytidine Derivatives and Synthesis and Hybridization Properties of Oligodeoxyribonucleotides Incorporating these Modified Bases. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 3626-3637.	2.4	10
116	Synthesis and Biological Properties of New Phosmidosine Analogs Having an N-Acylsulfamate Linkage. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2006, 25, 647-654.	1.1	4
117	Creation of Conformationally Rigid Bent and Linear Nucleic Acids by 3-Dimensional Fixation of Conformation of Mono- and Di-nucleotide Building Blocks. <i>Frontiers in Organic Chemistry</i> , 2005, 1, 103-128.	0.0	0
118	Synthesis of oligodeoxyribonucleotides containing hydroxymethylphosphonate bonds in the phosphoramidite method and their hybridization properties. <i>Tetrahedron Letters</i> , 2005, 46, 8953-8957.	1.4	7
119	Chemically Stabilized Phenylboranylidene Groups Having a Dimethoxytrityl Group as a Colorimetrically Detectable Protecting Group Designed for cis-1,2-Diol Functions of Ribonucleosides in the Solid-Phase Synthesis of m ² ,2G ⁵ ppT. <i>Journal of Organic Chemistry</i> , 2005, 70, 8400-8408.	3.2	16
120	A General Method for the Synthesis of 2'-O-Cyanoethylated Oligoribonucleotides Having Promising Hybridization Affinity for DNA and RNA and Enhanced Nuclease Resistance. <i>Journal of Organic Chemistry</i> , 2005, 70, 10453-10460.	3.2	77
121	Synthesis and Properties of New Nucleotide Analogues Possessing Squaramide Moieties as New Phosphate Isosters. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 5163-5170.	2.4	35
122	Mild and Facile Deprotection for the Synthesis of Oligodeoxynucleotide Incorporating a 6-O-Ethyl-deoxyguanosine. <i>Letters in Organic Chemistry</i> , 2005, 2, 179-183.	0.5	3
123	Computational Evaluation of Intermolecular Interactions of a Universal Base 3-Nitropyrrole in Stacked Dimers and DNA Duplexes. <i>Journal of Biomolecular Structure and Dynamics</i> , 2005, 22, 735-746.	3.5	15
124	4,5-BIS(ETHOXYCARBONYL)-[1,3]DIOXOLAN-2-YL AS A NEW ORTHOESTER-TYPE PROTECTING GROUP FOR THE 2'-HYDROXYL FUNCTION IN THE CHEMICAL SYNTHESIS OF RNA. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 1111-1114.	1.1	4
125	A NEW PROTECTING GROUP FOR THE 5'-HYDROXYL GROUP HAVING O-S SINGLE BOND OXIDATIVELY CLEAVABLE UNDER MILD CONDITIONS. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 927-929.	1.1	3
126	Convenient Synthesis of N-Unprotected Deoxynucleoside 3'-Phosphoramidite Building Blocks by Selective Deacylation of N-Acylated Species and Their Facile Conversion to Other N-Functionalized Derivatives. <i>Organic Letters</i> , 2005, 7, 5389-5392.	4.6	22

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127	Use of Ferrocene Scaffolds as Pendant Groups in Hairpin-Type Pyrrole-Imidazole Polyamide Molecules Showing Sequence-Selective Binding to DNA Duplexes. <i>Journal of Organic Chemistry</i> , 2005, 70, 10311-10322.	3.2	18
128	Synthesis and Stability of 1-Phenylethenyl Phosphate Derivatives and their Phosphoryl Transfer Activity. <i>Letters in Organic Chemistry</i> , 2004, 1, 140-144.	0.5	8
129	Fine-Tuning of Acid Susceptibility of 4, 4'-Dimethoxytrityl Ether Derivatives by a Methoxy Group Introduced via a Styryl Substituent. <i>Letters in Organic Chemistry</i> , 2004, 1, 159-162.	0.5	0
130	Synthesis of Enol Adenosine 5-Phosphate Derivatives by the Perkow Reaction of a Silylated Adenosine 5-Phosphonate Derivative with α -Halo Ketones. <i>Letters in Organic Chemistry</i> , 2004, 1, 246-248.	0.5	1
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