

# Frank Seela

## List of Publications by Year in descending order

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294  
papers

7,706  
citations

53794

45  
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95266

68  
g-index

319  
all docs

319  
docs citations

319  
times ranked

3164  
citing authors

#	ARTICLE	IF	CITATIONS
1	Improvement of the dideoxy chain termination method of DNA sequencing by use of deoxy-7-deazaguanosine triphosphate in place of dGTP. <i>Nucleic Acids Research</i> , 1986, 14, 1319-1324.	14.5	758
2	Syn-anti conformational analysis of regular and modified nucleosides by 1D 1H NOE difference spectroscopy: a simple graphical method based on conformationally rigid molecules. <i>Journal of Organic Chemistry</i> , 1990, 55, 5784-5790.	3.2	154
3	Modification of DNA with Octadiynyl Side Chains: Synthesis, Base Pairing, and Formation of Fluorescent Coumarin Dye Conjugates of Four Nucleobases by the Alkyne-Azide Click Reaction. <i>Bioconjugate Chemistry</i> , 2008, 19, 211-224.	3.6	140
4	Cyclohexene Nucleic Acids (CeNA): A Serum Stable Oligonucleotides that Activate RNase H and Increase Duplex Stability with Complementary RNA. <i>Journal of the American Chemical Society</i> , 2000, 122, 8595-8602.	13.7	129
5	A Ratiometric Fluorescent On-Off Zn <sup>2+</sup> Chemosensor Based on a Tripropargylamine Pyrene Azide Click Adduct. <i>Journal of Organic Chemistry</i> , 2012, 77, 9352-9356.	3.2	105
6	Synthesis of 2-amino-7-(2'-deoxy-β-D-erythro-pentofuranosyl)-3,7-dihydro-4H-pyrrolo[2,3-d]pyrimidin-4-one, a new isostere of 2'-deoxyguanosine. <i>Journal of Organic Chemistry</i> , 1983, 48, 3119-3122.	3.2	99
7	Nucleosides and Oligonucleotides with Diynyl Side Chains: Base Pairing and Functionalization of 2-Deoxyuridine Derivatives by the Copper(I)-Catalyzed Alkyne-Azide Click Cycloaddition. <i>Helvetica Chimica Acta</i> , 2007, 90, 535-552.	1.6	80
8	Pyrrolo-dC oligonucleotides bearing alkynyl side chains with terminal triple bonds: synthesis, base pairing and fluorescent dye conjugates prepared by the azide-alkyne click reaction. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 1674.	2.8	80
9	DNA Containing Side Chains with Terminal Triple Bonds: Base-Pair Stability and Functionalization of Alkynylated Pyrimidines and 7-Deazapurines. <i>Chemistry and Biodiversity</i> , 2006, 3, 509-514.	2.1	79
10	Double Click Reaction on 7-Deazaguanine DNA: Synthesis and Excimer Fluorescence of Nucleosides and Oligonucleotides with Branched Side Chains Decorated with Proximal Pyrenes. <i>Journal of Organic Chemistry</i> , 2010, 75, 284-295.	3.2	79
11	Nucleosides and oligonucleotides containing 1,2,3-triazole residues with nucleobase tethers: Synthesis via the azide-alkyne click reaction. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 8427-8439.	3.0	78
12	Duplex Stabilization of DNA: Oligonucleotides containing 7-substituted 7-deazaadenines. <i>Helvetica Chimica Acta</i> , 1995, 78, 94-108.	1.6	77
13	Palindromic oligonucleotides containing 7-deaza-2'-deoxyguanosine: solid-phase synthesis of d[(p)GG*AATTCC] octamers and recognition by the endodeoxyribonuclease EcoRI. <i>Nucleic Acids Research</i> , 1986, 14, 2319-2332.	14.5	73
14	Palindromic octa- and dodecanucleotides containing 2'-deoxytubercidin: synthesis, hairpin formation, and recognition by the endodeoxyribonuclease EcoRI. <i>Biochemistry</i> , 1987, 26, 2232-2238.	2.5	72
15	7-Deazapurine containing DNA: efficiency of c7GdTP, c7AdTP and c7IdTP incorporation during PCR amplification and protection from endodeoxyribonuclease hydrolysis. <i>Nucleic Acids Research</i> , 1992, 20, 55-61.	14.5	72
16	Site-Directed Spin Labeling of DNA by the Azide-Alkyne Click Reaction: Nanometer Distance Measurements on 7-Deaza-2'-deoxyadenosine and 2-Deoxyuridine Nitroxide Conjugates Spatially Separated or Linked to a dA-T Base Pair. <i>Chemistry - A European Journal</i> , 2010, 16, 14385-14396.	3.0	68
17	7-Deazaadenine-DNA: Bulky 7-Iodo Substituents or Hydrophobic 7-Hexynyl Chains Are Well Accommodated in the Major Groove of Oligonucleotide Duplexes. <i>Chemistry - A European Journal</i> , 1998, 4, 1781-1790.	3.3	67
18	Substituent Reactivity and Tautomerism of Isoguanosine and Related Nucleosides. <i>Helvetica Chimica Acta</i> , 1995, 78, 1843-1854.	1.6	66

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19	1,5-Anhydrohexitol Oligonucleotides: Hybridisation and Strand Displacement with Oligoribonucleotides, Interaction with RNase H and HIV Reverse Transcriptase. <i>Chemistry - A European Journal</i> , 1997, 3, 1513-1520.	3.3	66
20	2'-Deoxyisoguanosine and Base-Modified Analogues: Chemical and Photochemical Synthesis. <i>Helvetica Chimica Acta</i> , 1991, 74, 1742-1748.	1.6	65
21	Palladium-Catalyzed Cross Coupling of 7-Iodo-2'-deoxytubercidin with Terminal Alkynes. <i>Synthesis</i> , 1996, 1996, 726-730.	2.3	60
22	Propynyl groups in duplex DNA: stability of base pairs incorporating 7-substituted 8-aza-7-deazapurines or 5-substituted pyrimidines. <i>Nucleic Acids Research</i> , 2002, 30, 5485-5496.	14.5	60
23	Ag <sup>+</sup> -Mediated DNA Base Pairing: Extraordinarily Stable Pyrrolo-dC-Pyrrolo-dC Pairs Binding Two Silver Ions. <i>Journal of Organic Chemistry</i> , 2013, 78, 9457-9463.	3.2	59
24	Stereoselective synthesis of pyrrolo[2,3-d]pyrimidine $\beta$ - and $\beta$ -D-ribonucleosides from anomericall pure D-ribofuranosyl chlorides: Solid-Liquid Phase-Transfer Glycosylation and <sup>15</sup> N-NMR Spectra. <i>Helvetica Chimica Acta</i> , 1988, 71, 1573-1585.	1.6	56
25	Duplex Stability of 7-Deazapurine DNA: Oligonucleotides containing 7-bromo- or 7-iodo-7-deazaguanine. <i>Helvetica Chimica Acta</i> , 1996, 79, 1549-1558.	1.6	56
26	Oligonucleotides Containing Consecutive 2'-Deoxyisoguanosine Residues: Synthesis, duplexes with parallel chain orientation, and aggregation. <i>Helvetica Chimica Acta</i> , 1997, 80, 73-85.	1.6	56
27	Robust silver-mediated imidazolo-dC base pairs in metal DNA: dinuclear silver bridges with exceptional stability in double helices with parallel and antiparallel strand orientation. <i>Chemical Communications</i> , 2015, 51, 17301-17304.	4.1	55
28	Stepwise $\alpha$ -Click Chemistry for the Template Independent Construction of a Broad Variety of Cross-Linked Oligonucleotides: Influence of Linker Length, Position, and Linking Number on DNA Duplex Stability. <i>Journal of Organic Chemistry</i> , 2011, 76, 5584-5597.	3.2	54
29	7-Substituted 7-Deaza-2'-deoxyadenosines and 8-Aza-7-deaza-2'-deoxyadenosines: Fluorescence of DNA-Base Analogues Induced by the 7-Alkynyl Side Chain. <i>Helvetica Chimica Acta</i> , 2000, 83, 910-927.	1.6	53
30	8-Aza-7-deazaadenine N8- and N8-( $\beta$ -D-2'-Deoxyribofuranosides): Building blocks for automated DNA synthesis and properties of oligodeoxyribonucleotides. <i>Helvetica Chimica Acta</i> , 1988, 71, 1813-1823.	1.6	52
31	Liquid-Liquid and Solid-Liquid phase-transfer glycosylation of pyrrolo[2,3-d]pyrimidines: stereospecific synthesis of 2-deoxy- $\beta$ -D-ribofuranosides related to 2'-deoxy-7-carbaguanosine. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1988, , 697-702.	0.9	52
32	Alternating d(G-C) <sub>3</sub> and d(C-G) <sub>3</sub> hexanucleotides containing 7-deaza-2'-deoxyguanosine or 8-aza-7-deaza-2'-deoxyguanosine in place of dG. <i>Nucleic Acids Research</i> , 1989, 17, 901-910.	14.5	52
33	Azide-Alkyne $\alpha$ -Click Conjugation of 8-Aza-7-deazaadenine-DNA: Synthesis, Duplex Stability, and Fluorogenic Dye Labeling. <i>Bioconjugate Chemistry</i> , 2010, 21, 1629-1641.	3.6	52
34	Pyrrolo-dC Metal-Mediated Base Pairs in the Reverse Watson-Crick Double Helix: Enhanced Stability of Parallel DNA and Impact of 6-Pyridinyl Residues on Fluorescence and Silver-Ion Binding. <i>Chemistry - A European Journal</i> , 2015, 21, 10207-10219.	3.3	51
35	Base-Pairing, Tautomerism, and Mismatch Discrimination of 7-Halogenated 7-Deaza-2'-deoxyisoguanosine: A Oligonucleotide Duplexes with Parallel and Antiparallel Chain Orientation. <i>Journal of the American Chemical Society</i> , 2005, 127, 7739-7751.	13.7	50
36	8-Aza-7-deazaguanine nucleosides and oligonucleotides with octadiynyl side chains: synthesis, functionalization by the azide-alkyne $\alpha$ -click reaction and nucleobase specific fluorescence quenching of coumarin dye conjugates. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1374.	2.8	50

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37	Imidazoâ€C Metalâ€Mediated Base Pairs: Purine Nucleosides Capture Two Ag <sup>+</sup> Ions and Form a Duplex with the Stability of a Covalent DNA Crossâ€Link. <i>Chemistry - A European Journal</i> , 2014, 20, 16248-16257.	3.3	50
38	Facile Synthesis of 2'-Deoxyribofuranosides of Allopurinol and 4-Amino-1H-pyrazolo[3,4-d]pyrimidine via Phase-Transfer Glycosylation. <i>Helvetica Chimica Acta</i> , 1985, 68, 563-570.	1.6	49
39	Parallel-stranded oligonucleotide duplexes containing 5-methylisocytosine-guanine and isoguanine-cytosine base pairs. <i>Tetrahedron</i> , 1999, 55, 9481-9500.	1.9	49
40	Oligonucleotide Duplexes and Multistrand Assemblies with 8-Aza-2â€-deoxyisoguanosine: A Fluorescent isoG <sub>d</sub> Shape Mimic Expanding the Genetic Alphabet and Forming Ionophores. <i>Journal of the American Chemical Society</i> , 2010, 132, 4016-4024.	13.7	49
41	7-Functionalized 7-deazapurine Î²-d and Î²-l-ribonucleosides related to tubercidin and 7-deazainosine: glycosylation of pyrrolo[2,3-d]pyrimidines with 1-O-acetyl-2,3,5-tri-O-benzoyl-Î²-d or Î²-l-ribofuranose. <i>Tetrahedron</i> , 2007, 63, 9850-9861.	1.9	48
42	7-Substituted 7-Deaza-2'-deoxyguanosines: Regioselective Halogenation of Pyrrolo[2,3-d]pyrimidine Nucleosides. <i>Helvetica Chimica Acta</i> , 1995, 78, 1083-1090.	1.6	47
43	5-Aza-7-deaza-2'-deoxyguanosine: studies on the glycosylation of weakly nucleophilic imidazo[1,2-a]-s-triazinyl anions. <i>Journal of Organic Chemistry</i> , 1987, 52, 5136-5143.	3.2	46
44	Oligonucleotides Containing 7-Deazaadenines: The Influence of the 7-Substituent Chain Length and Charge on the Duplex Stability. <i>Helvetica Chimica Acta</i> , 1999, 82, 1878-1898.	1.6	46
45	Solid-phase synthesis of the self-complementary hexamer d(c7GpCpc7GpCpc7GpC) via the O-3â€-phosphoramidite of 7-deaza-2â€-deoxyguanosine. <i>Nucleic Acids Research</i> , 1985, 13, 911-926.	14.5	45
46	7-Functionalized 7-Deazapurine Ribonucleosides Related to 2-Aminoadenosine, Guanosine, and Xanthosine: Glycosylation of Pyrrolo[2,3-d]pyrimidines with 1-O-Acetyl-2,3,5-tri-O-benzoyl-d-ribofuranose. <i>Journal of Organic Chemistry</i> , 2006, 71, 81-90.	3.2	45
47	7-Deazapurine and 8-Aza-7-deazapurine Nucleoside and Oligonucleotide Pyrene â€Clickâ€Conjugates: Synthesis, Nucleobase Controlled Fluorescence Quenching, and Duplex Stability. <i>Journal of Organic Chemistry</i> , 2012, 77, 188-199.	3.2	45
48	Poly(7-deazaguanylic acid), the homopolynucleotide of the parent nucleoside of queuosine. <i>Biochemistry</i> , 1982, 21, 4338-4343.	2.5	43
49	7-Deazaguanine DNA: Oligonucleotides with hydrophobic or cationic side chains. <i>Helvetica Chimica Acta</i> , 1997, 80, 1809-1822.	1.6	43
50	DNA with Branched Internal Side Chains: Synthesis of 5â€-Tripropargylamineâ€dU and Conjugation by an Azideâ€Alkyne Double Click Reaction. <i>ChemBioChem</i> , 2008, 9, 2305-2316.	2.6	43
51	Stepwise Click Functionalization of DNA through a Bifunctional Azide with a Chelating and a Nonchelating Azido Group. <i>Journal of Organic Chemistry</i> , 2013, 78, 3394-3399.	3.2	43
52	2â€-Desoxytubercidin â€ Synthese eines 2â€-Desoxyadenosinâ€sosteren durch Phasentransferglycosylierung. <i>Liebigs Annalen Der Chemie</i> , 1983, 1983, 876-884.	0.8	41
53	The Base-Pairing Properties of 7-Deaza-2â€-deoxyisoguanosine and 2â€-Deoxyisoguanosine in Oligonucleotide Duplexes with Parallel and Antiparallel Chain Orientation. <i>Helvetica Chimica Acta</i> , 1999, 82, 726-745.	1.6	41
54	7-Deaza-2â€-deoxyadenosine and 3-deaza-2â€-deoxyadenosine replacing dA within d(A6)-tracts: differential bending at 3â€- and 5â€-junctions of d(A6) d(T6) and B-DNA. <i>Nucleic Acids Research</i> , 1992, 20, 2297-2306.	14.5	40

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55	7-Deazaguanosine: Synthesis of an oligoribonucleotide building block and disaggregation of the U-G-C-G-U G4 structure by the modified base. <i>Helvetica Chimica Acta</i> , 1993, 76, 1435-1449.	1.6	40
56	Progress in 7-Deazapurine - Pyrrolo[2,3-d]pyrimidine - Ribonucleoside Synthesis. <i>Current Topics in Medicinal Chemistry</i> , 2006, 6, 867-892.	2.1	39
57	Silver-Mediated Base Pairs in DNA Incorporating Purines, 7-Deazapurines, and 8-Aza-7-Deazapurines: Impact of Reduced Nucleobase Binding Sites and an Altered Glycosylation Position. <i>Chemistry - A European Journal</i> , 2017, 23, 5529-5540.	3.3	39
58	2-Amino-2'-desoxytubercidin und verwandte Pyrrolo[2,3-d]pyrimidinyl-2'-desoxyribofuranoside. <i>Liebigs Annalen Der Chemie</i> , 1987, 1987, 15-19.	0.8	38
59	Synthesis of 8-Aza-2'-deoxyadenosine and related 7-Amino-3H-1,2,3-triazolo[4,5-d]pyrimidine 2'-Deoxyribofuranosides: Stereoselective glycosylation via the nucleobase anion. <i>Helvetica Chimica Acta</i> , 1989, 72, 1527-1536.	1.6	37
60	Quadruplex and Pentaplex Self-Assemblies of Oligonucleotides Containing Short Runs of 8-Aza-7-deaza-2'-deoxyisoguanosine or 2'-Deoxyisoguanosine. <i>Bioconjugate Chemistry</i> , 2001, 12, 1043-1050.	3.6	37
61	Cross-Linked DNA Generated by $\alpha$ -Click-Reactions with Bis-functional Azides: Site Independent Ligation of Oligonucleotides via Nucleobase Alkynyl Chains. <i>Journal of Organic Chemistry</i> , 2010, 75, 8693-8696.	3.2	36
62	Synthese von Acyclo-7-Desazaguanosin durch regiospezifische Phasentransferalkylierung von 2-Amino-4-methoxy-7-H-pyrrolo[2,3-d]pyrimidin. <i>Liebigs Annalen Der Chemie</i> , 1983, 1983, 137-146.	0.8	35
63	The High-Anti Conformation of 7-Halogenated 8-Aza-7-deaza-2'-deoxy-guanosines: A Study of the Influence of Modified Bases on the Sugar Structure of Nucleosides. <i>Helvetica Chimica Acta</i> , 1999, 82, 105-124.	1.6	35
64	Spatially Controlled DNA Nanopatterns by $\alpha$ -Click-Chemistry Using Oligonucleotides with Different Anchoring Sites. <i>Journal of the American Chemical Society</i> , 2010, 132, 15228-15232.	13.7	35
65	Construction and Assembly of Branched Y-Shaped DNA: $\alpha$ -Click-Chemistry Performed on Dendronized 8-Aza-7-deazaguanine Oligonucleotides. <i>Bioconjugate Chemistry</i> , 2012, 23, 856-870.	3.6	35
66	Synthesis of 7-alkynylated 8-aza-7-deaza-2'-deoxyadenosines via the Pd-catalysed cross-coupling reaction. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1998, , 3233-3240.	0.9	33
67	Ethynyl Side Chain Hydration during Synthesis and Workup of $\alpha$ -Clickable Oligonucleotides: Bypassing Acetyl Group Formation by Triisopropylsilyl Protection. <i>Journal of Organic Chemistry</i> , 2013, 78, 11271-11282.	3.2	33
68	Oligomers with alternating thymidine and 2'-deoxytubercidin: duplex stabilization by a 7-deazapurine base. <i>Biochemistry</i> , 1985, 24, 7556-7561.	2.5	32
69	Fluorescent DNA: the development of 7-deazapurine nucleoside triphosphates applicable for sequencing at the single molecule level. <i>Journal of Biotechnology</i> , 2001, 86, 269-279.	3.8	32
70	1,N6-Etheno-2'-deoxytubercidin and pyrrolo-C: synthesis, base pairing, and fluorescence properties of 7-deazapurine nucleosides and oligonucleotides. <i>Tetrahedron</i> , 2007, 63, 3471-3482.	1.9	32
71	Cross-Linked DNA: Site-Selective $\alpha$ -Click-Ligation in Duplexes with Bis-Azides and Stability Changes Caused by Internal Cross-Links. <i>Bioconjugate Chemistry</i> , 2012, 23, 1230-1243.	3.6	32
72	Silver Arrays Inside DNA Duplexes Constructed from Silver(I)-Mediated Pyrrolo- $\alpha$ -Pyrrolo- $\beta$ -C Base Pairs. <i>ChemPlusChem</i> , 2014, 79, 914-918.	2.8	32

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73	Oligonucleotides with Clickable Sugar Residues: Synthesis, Duplex Stability, and Terminal versus Central Interstrand Cross-Linking of 2'-O-Propargylated 2-Aminoadenosine with a Bifunctional Azide. <i>Journal of Organic Chemistry</i> , 2014, 79, 4423-4437.	3.2	31
74	Mannich-Reaktion am 2-Amino-3,7-dihydropyrrolo[2,3-d]-pyrimidin-4-on, dem Chromophor des Ribonucleosids. <i>Chemische Berichte</i> , 1977, 110, 1462-1469.	0.2	30
75	pH-Dependent mismatch discrimination of oligonucleotide duplexes containing 2'-deoxytubercidin and 2- or 7-substituted derivatives: protonated base pairs formed between 7-deazapurines and cytosine. <i>Nucleic Acids Research</i> , 2006, 34, 5987-6000.	14.5	30
76	Oligonucleotide duplex stability controlled by the 7-substituents of 7-deazaguanine bases. <i>Bioorganic and Medicinal Chemistry Letters</i> , 1995, 5, 3049-3052.	2.2	29
77	The chemoenzymatic synthesis of clofarabine and related 2'-deoxyfluoroarabinosyl nucleosides: the electronic and stereochemical factors determining substrate recognition by <i>E. coli</i> nucleoside phosphorylases. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1657-1669.	2.2	29
78	Anomeric 2'-Deoxycytidines and Silver Ions: Hybrid Base Pairs with Greatly Enhanced Stability and Efficient DNA Mismatch Detection with ITC. <i>Chemistry - A European Journal</i> , 2017, 23, 11776-11779.	3.3	29
79	8-Azaadenosine and Its 2'-Deoxyribonucleoside: Synthesis and oligonucleotide base-pair stability. <i>Helvetica Chimica Acta</i> , 1998, 81, 1139-1155.	1.6	28
80	Modified purine nucleosides as dangling ends of DNA duplexes: the effect of the nucleobase polarizability on stacking interactions. <i>Perkin Transactions II RSC</i> , 2002, , 746-750.	1.1	28
81	The base pairing properties of 8-aza-7-deaza-2'-deoxyisoguanosine and 7-halogenated derivatives in oligonucleotide duplexes with parallel and antiparallel chain orientation. <i>Nucleic Acids Research</i> , 2003, 31, 7150-7158.	14.5	28
82	Advances in the Synthesis of 7-Deazapurine - Pyrrolo[2,3-d]pyrimidine 2-Deoxyribonucleosides Including D- and L-Enantiomers, Fluoro Derivatives and 2,3-Dideoxyribonucleosides. <i>Current Organic Chemistry</i> , 2007, 11, 427-462.	1.6	28
83	Synthesis of 2'-Deoxyisoinosine and Related 2'-Deoxyribonucleosides. <i>Helvetica Chimica Acta</i> , 1994, 77, 194-202.	1.6	27
84	Phosphoramidites of base-modified 2'-deoxyinosine isosteres and solid-phase synthesis of d(GCI*CGC) oligomers containing an ambiguous base. <i>Nucleic Acids Research</i> , 1986, 14, 1825-1844.	14.5	26
85	3-DeazaguanineN7- andN9-(2'-Deoxy-?-D-ribofuranosides): Building Blocks for Solid-Phase Synthesis and Incorporation into Oligodeoxyribonucleotides. <i>Helvetica Chimica Acta</i> , 1991, 74, 1790-1800.	1.6	26
86	5-Aza-7-deazaguanine DNA: Recognition and Strand Orientation of...Oligonucleotides Incorporating Anomeric Imidazo[1,2-a]-1,3,5-triazine Nucleosides. <i>Helvetica Chimica Acta</i> , 2001, 84, 1996-2014.	1.6	26
87	Replacement of Canonical DNA Nucleobases by Benzotriazole and 1,2,3-Triazolo[4,5-d]pyrimidine: Synthesis, Fluorescence, and Ambiguous Base Pairing. <i>Helvetica Chimica Acta</i> , 2005, 88, 751-765.	1.6	26
88	Oligonucleotides Containing 7-Deaza-2'-deoxyinosine as Universal Nucleoside: Synthesis of 7-Halogenated and 7-Alkynylated Derivatives, Ambiguous Base Pairing, and Dye Functionalization by the Alkyne-Azide Click Reaction. <i>Helvetica Chimica Acta</i> , 2008, 91, 1181-1200.	1.6	26
89	Furanoside-pyranoside isomerization of tubercidin and its 2'-deoxy derivatives: influence of nucleobase and sugar structure on the proton-catalysed reaction. <i>Journal of the Chemical Society Perkin Transactions II</i> , 1986, , 525-530.	0.9	25
90	Oligonucleotides containing fluorescent 2'-deoxyisoinosine: solid-phase synthesis and duplex stability. <i>Nucleic Acids Research</i> , 1995, 23, 2499-2505.	14.5	25

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91	Synthesis of oligonucleotides containing pyrazolo[3,4-d]pyrimidines: The influence of 7-substituted 8-aza-7-deazaadenines on the duplex structure and stability. <i>Journal of the Chemical Society Perkin Transactions 1</i> , 1999, , 479-488.	0.9	25
92	6-Aza-2'-deoxyisocytidine: Synthesis, Properties of Oligonucleotides, and Base-Pair Stability Adjustment of DNA with Parallel Strand Orientation. <i>Journal of Organic Chemistry</i> , 2003, 68, 367-377.	3.2	25
93	7-Deazapurine (Pyrrolo[2,3-d]pyrimidine) 2-Deoxyribonucleosides: Syntheses and Transformations. <i>Current Organic Chemistry</i> , 2012, 16, 161-223.	1.6	25
94	A Nucleobase-Discriminating Pyrrolo-C Click Adduct Designed for DNA Fluorescence Mismatch Sensing. <i>Chemistry - A European Journal</i> , 2012, 18, 9590-9600.	3.3	25
95	5-Aza-7-deaza-2'-deoxyguanosine and 2'-deoxycytidine Form Programmable Silver-Mediated Base Pairs with Metal Ions in the Core of the DNA Double Helix. <i>Chemistry - A European Journal</i> , 2018, 24, 8883-8892.	3.3	25
96	Facile Synthesis of 2'-Deoxyisoguanosine and Related 2',3'-Dideoxyribonucleosides. <i>Helvetica Chimica Acta</i> , 1994, 77, 622-630.	1.6	24
97	Stereoelectronic Effects of Modified Purines on the Sugar Conformation of Nucleosides and Fluorescence Properties. <i>Nucleosides &amp; Nucleotides</i> , 1997, 16, 821-828.	0.5	24
98	7-Deazaisoguanine quartets: self-assembled oligonucleotides lacking the Hoogsteen motif. <i>Chemical Communications</i> , 1997, , 1869.	4.1	24
99	Oligonucleotides Containing Pyrazolo[3,4-d]pyrimidines: The Influence of 7-Substituted 8-Aza-7-deaza-2'-deoxyguanosines on the Duplex Structure and Stability. <i>Helvetica Chimica Acta</i> , 1999, 82, 1640-1655.	1.6	24
100	Major-Groove-Halogenated DNA: The Effects of Bromo and Iodo Substituents Replacing H <sup>+</sup> C(7) of 8-Aza-7-deazapurine-2,6-diamine or H <sup>+</sup> C(5) of Uracil Residues. <i>Helvetica Chimica Acta</i> , 2001, 84, 1048-1065.	1.6	24
101	7-Deaza-2'-deoxyxanthosine Dihydrate Forms Water-Filled Nanotubes with C-H...O Hydrogen Bonds. <i>Angewandte Chemie - International Edition</i> , 2002, 41, 603-605.	13.8	24
102	8-Aza-2'-deoxyguanosine: Base pairing, mismatch discrimination and nucleobase anion fluorescence sensing in single-stranded and duplex DNA. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 3463.	2.8	24
103	Parallel Stranded DNA Stabilized with Internal Sugar Cross-Links: Synthesis and Click Ligation of Oligonucleotides Containing 2'-Propargylated Isoguanosine. <i>Journal of Organic Chemistry</i> , 2013, 78, 8545-8561.	3.2	24
104	Recognition of Artificial Nucleobases by <i>E. coli</i> Purine Nucleoside Phosphorylase versus its Ser90Ala Mutant in the Synthesis of Base-Modified Nucleosides. <i>Chemistry - A European Journal</i> , 2015, 21, 13401-13419.	3.3	24
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