

Frank Seela

List of Publications by Year in descending order

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53794

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#	ARTICLE	IF	CITATIONS
1	Anomeric DNA: Functionalization of $\hat{I}\pm\hat{A}\left\langle\text{sc}\right\rangle\text{d}\left\langle\text{sc}\right\rangle$ Anomers of 7-Deaza-2-deoxyadenosine and 2-deoxyuridine with Clickable Side Chains and Click Adducts in Homochiral and Heterochiral Double Helices. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	4
2	8-Furylimidazolo-2-deoxycytidine: crystal structure, packing, atropisomerism and fluorescence. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2022, 78, 141-147.	0.5	0
3	Anomeric DNA Strand Displacement with $\hat{I}\pm\hat{A}\hat{D}$ Oligonucleotides as Invaders and Ethidium Bromide as Fluorescence Sensor for Duplexes with $\hat{I}\pm/\hat{I}^2\hat{A}\hat{C}$, $\hat{I}^2/\hat{I}^2\hat{A}\hat{C}$ and $\hat{I}\pm/\hat{I}\hat{A}\hat{D}$ Configuration. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	4
4	The 2-Amino Group of 8-Aza-7-deaza-7- $\hat{A}\hat{C}$ -bromopurine-2,6-diamine and Purine-2,6-diamine as Stabilizer for the Adenine-Thymine Base Pair in Heterochiral DNA with Strands in Anomeric Configuration. <i>Chemistry - A European Journal</i> , 2021, 27, 2093-2103.	3.3	10
5	5-Aza-7-deazaguanine-Isoguanine and Guanine-Isoguanine Base Pairs in Watson-Crick DNA: The Impact of Purine Tracts, Clickable Dendritic Side Chains, and Pyrene Adducts. <i>Chemistry - A European Journal</i> , 2021, 27, 7453-7466.	3.3	5
6	The $\hat{I}\pm\text{-D}$ -anomer of 2-deoxycytidine: crystal structure, nucleoside conformation and Hirshfeld surface analysis. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2021, 77, 202-208.	0.5	2
7	Anomeric and Enantiomeric 2-Deoxycytidines: Base Pair Stability in the Absence and Presence of Silver Ions. <i>Chemistry - A European Journal</i> , 2021, 27, 10574-10577.	3.3	4
8	Isoguanine (2-Hydroxyadenine) and 2-Aminoadenine Nucleosides with an 8-Aza-7-deazapurine Skeleton: Synthesis, Functionalization with Fluorescent and Clickable Side Chains, and Impact of 7-Substituents on Physical Properties. <i>Journal of Organic Chemistry</i> , 2021, 86, 14461-14475.	3.2	6
9	Heterochiral DNA with Complementary Strands with $\hat{I}\pm\left\langle\text{sc}\right\rangle\text{d}\left\langle\text{sc}\right\rangle$ and $\hat{I}^2\left\langle\text{sc}\right\rangle\text{d}\left\langle\text{sc}\right\rangle$ Configurations: Hydrogen-Bonded and Silver-Mediated Base Pairs with Impact of 7-Deazapurines Replacing Purines. <i>Chemistry - A European Journal</i> , 2020, 26, 13973-13989.	3.3	10
10	Alkynylated and Dendronized 5-Aza-7-deazaguanine Nucleosides: Cross-Coupling with Tripropargylamine and Linear Alkynes, Click Functionalization, and Fluorescence of Pyrene Adducts. <i>Journal of Organic Chemistry</i> , 2020, 85, 10525-10538.	3.2	2
11	7-Iodo-5-aza-7-deazaguanine ribonucleoside: crystal structure, physical properties, base-pair stability and functionalization. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2020, 76, 513-523.	0.5	2
12	Silver-Mediated Homochiral and Heterochiral $\hat{I}\pm\hat{A}\hat{C}/\hat{I}^2\hat{A}\hat{C}$ Base Pairs: Synthesis of $\hat{I}\pm\hat{A}\hat{C}$ through Glycosylation and Impact of Consecutive, Isolated, and Multiple Metal Ion Pairs on DNA Stability. <i>Chemistry - A European Journal</i> , 2019, 25, 16639-16651.	3.3	7
13	Nucleobase-Functionalized 5-Aza-7-deazaguanine Ribo- and 2-Deoxyribonucleosides: Glycosylation, Pd-Assisted Cross-Coupling, and Photophysical Properties. <i>Journal of Organic Chemistry</i> , 2019, 84, 13313-13328.	3.2	8
14	Anomeric 5-Aza-7-deaza-2-deoxyguanosines in Silver-Ion-Mediated Homo and Hybrid Base Pairs: Impact of Mismatch Structure, Helical Environment, and Nucleobase Substituents on DNA Stability. <i>Chemistry - A European Journal</i> , 2019, 25, 10408-10419.	3.3	14
15	Crystal structures of $\hat{I}\pm\text{-D}$ and $\hat{I}^2\text{-D}$ anomeric 2-Deoxycytidines decorated with octadiynyl side chains: Hydrogen bonding, crystal packing and impact of alkyne residues on physical properties. <i>Journal of Molecular Structure</i> , 2019, 1190, 37-46.	3.6	2
16	Functionalized Silver-Ion-Mediated $\hat{I}\pm\hat{A}\hat{C}/\hat{I}^2\hat{A}\hat{C}$ Hybrid Base Pairs with Exceptional Stability: $\hat{I}\pm\left\langle\text{sc}\right\rangle\text{d}\left\langle\text{sc}\right\rangle\hat{A}\hat{C}$ -5-Iodo-2-deoxycytidine and Its Octadiynyl Derivative in Metal DNA. <i>Chemistry - A European Journal</i> , 2019, 25, 3077-3090.	3.3	13
17	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
18	Nucleoside macrocycles formed by intramolecular click reaction: efficient cyclization of pyrimidine nucleosides decorated with 5'-azido residues and 5-octadiynyl side chains. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 2404-2410.	2.2	13

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19	Guanine and 8-Azaguanine in Anomeric DNA Hybrid Base Pairs: Stability, Fluorescence Sensing, and Efficient Mismatch Discrimination with $\hat{\pm}$ -Nucleosides. <i>Bioconjugate Chemistry</i> , 2018, 29, 2265-2277.	3.6	6
20	Glycosylation of Pyrrolo[2,3- <i>d</i>]pyrimidines with 1- <i>O</i> -Acetyl-2,3,5-tri- <i>O</i> -benzoyl- $\hat{\pm}$ -ribofuranose: Substituents and Protecting Groups Effecting the Synthesis of 7-Deazapurine Ribonucleosides. <i>Journal of Organic Chemistry</i> , 2018, 83, 8589-8595.	3.2	10
21	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
22	8-Aza-2-deoxyisoguanosine Forms Fluorescent Hydrogels whereas 8-Aza-2-deoxyguanosine Assembles into Nucleoside Nanotubes. <i>ChemPlusChem</i> , 2017, 82, 778-784.	2.8	14
23	Supramolecular Isoguanosine Assemblies Form Hydrogels with Excellent Long-Term Stability. <i>ChemPlusChem</i> , 2017, 82, 826-833.	2.8	24
24	MercuryII-mediated base pairs in DNA: unexpected behavior in metal ion binding and duplex stability induced by 2-deoxyuridine 5-substituents. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 870-883.	2.8	12
25	Gemcitabine, Pyrrologemcitabine, and 2-Fluoro-2-Deoxycytidines: Synthesis, Physical Properties, and Impact of Sugar Fluorination on Silver Ion Mediated Base Pairing. <i>Chemistry - A European Journal</i> , 2017, 23, 17740-17754.	3.3	16
26	Supramolecular Isoguanosine Assemblies Form Hydrogels with Excellent Long-Term Stability. <i>ChemPlusChem</i> , 2017, 82, 813-813.	2.8	3
27	Anomeric 2-Deoxycytidines and Silver Ions: Hybrid Base Pairs with Greatly Enhanced Stability and Efficient DNA Mismatch Detection with $\hat{\pm}$ -dC. <i>Chemistry - A European Journal</i> , 2017, 23, 11776-11779.	3.3	29
28	$\hat{\pm}$ -Click-Ligation of DNA: Template-Controlled Assembly, Circularisation and Functionalisation with Bifunctional and Trifunctional Azides. <i>Chemistry - A European Journal</i> , 2017, 23, 3375-3385.	3.3	12
29	Enzymatic synthesis and phosphorolysis of 4(2)-thio- and 6(5)-azapyrimidine nucleosides by <i>E. coli</i> nucleoside phosphorylases. <i>Beilstein Journal of Organic Chemistry</i> , 2016, 12, 2588-2601.	2.2	3
30	2-O-Methyl- and 2-O-propargyl-5-methylisocytidine: synthesis, properties and impact on the isoC _d and the isoC _d base pairing in nucleic acids with parallel and antiparallel strand orientation. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 4927-4942.	2.8	7
31	7-Deaza-2-deoxyguanosine: Selective Nucleobase Halogenation, Positional Impact of Space-Occupying Substituents, and Stability of DNA with Parallel and Antiparallel Strand Orientation. <i>Journal of Organic Chemistry</i> , 2016, 81, 8331-8342.	3.2	13
32	Silver Ions in Non-canonical DNA Base Pairs: Metal-Mediated Mismatch Stabilization of 2-Deoxyadenosine and 7-Deazapurine Derivatives with 2-Deoxycytidine and 2-Deoxyguanosine. <i>Chemistry - A European Journal</i> , 2016, 22, 13336-13346.	3.1	21
33	Using NMR and molecular dynamics to link structure and dynamics effects of the universal base 8-aza, 7-deaza, N8 linked adenosine analog. <i>Nucleic Acids Research</i> , 2016, 44, 8576-8587.	14.5	7
34	Circular DNA by $\hat{\pm}$ -Click-Ligation: Template-Independent Intramolecular Circularization of Oligonucleotides with Terminal Alkynyl Groups Utilizing Bifunctional Azides. <i>Chemistry - A European Journal</i> , 2016, 22, 1435-1444.	3.3	17
35	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
36	DNA with Parallel Strand Orientation: A Nanometer Distance Study with Spin Labels in the Watson-Crick and the Reverse Watson-Crick Double Helix. <i>Journal of Physical Chemistry B</i> , 2015, 119, 13593-13599.	2.6	7

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37	Duplex DNA and DNA-RNA Hybrids with Parallel Strand Orientation: 2-Deoxy-2-fluoroisocytidine, 2-Deoxy-2-fluoroisoguanosine, and Canonical Nucleosides with 2-Fluoro Substituents Cause Unexpected Changes on the Double Helix Stability. <i>Journal of Organic Chemistry</i> , 2015, 80, 3124-3138.	3.2	20
38	3-Phenyl-5,6,7,8-tetrahydropyrimido[4,5-c]pyridazin-7-one as nucleobase substitute in DNA: synthesis of the 2-deoxyribonucleoside, cyclonucleoside formation, and base pairing in oligonucleotides. <i>Tetrahedron</i> , 2015, 71, 6170-6175.	1.9	6
39	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
40	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
41	Nucleoside and oligonucleotide pyrene conjugates with 1,2,3-triazolyl or ethynyl linkers: synthesis, duplex stability, and fluorescence changes generated by the DNA-dye connector. <i>Tetrahedron</i> , 2014, 70, 380-391.	1.9	21
42	7-Cyclopropyl-2-deoxytubercidin: a carbocyclic side-chain derivative of 7-deaza-2-deoxyadenosine. <i>Acta Crystallographica Section C, Structural Chemistry</i> , 2014, 70, 1116-1120.	0.5	1
43	Silver Arrays Inside DNA Duplexes Constructed from Silver(I)-Mediated Pyrrolo-dC-Pyrrolo-dC Base Pairs. <i>ChemPlusChem</i> , 2014, 79, 914-918.	2.8	32
44	5-Nitroindole oligonucleotides with alkynyl side chains: universal base pairing, triple bond hydration and properties of pyrene click-adducts. <i>Organic and Biomolecular Chemistry</i> , 2014, 12, 8519-8532.	2.8	10
45	High-Density Functionalization and Cross-Linking of DNA: Click and Bis-Click-Cycloadditions Performed on Alkynylated Oligonucleotides with Fluorogenic Anthracene Azides. <i>Bioconjugate Chemistry</i> , 2014, 25, 1855-1870.	3.6	15
46	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
47	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
48	Imidazolo-dC Metal-Mediated Base Pairs: Purine Nucleosides Capture Two Ag ⁺ Ions and Form a Duplex with the Stability of a Covalent DNA Cross-Link. <i>Chemistry - A European Journal</i> , 2014, 20, 16248-16257.	3.3	50
49	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
50	Ethynyl Side Chain Hydration during Synthesis and Workup of Clickable-Oligonucleotides: Bypassing Acetyl Group Formation by Triisopropylsilyl Protection. <i>Journal of Organic Chemistry</i> , 2013, 78, 11271-11282.	3.2	33
51	Ag ⁺ -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
52	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
53	Pyrene and bis-pyrene DNA nucleobase conjugates: excimer and monomer fluorescence of linear and dendronized cytosine and 7-deazaguanine click adducts. <i>Tetrahedron</i> , 2013, 69, 4731-4742.	1.9	20
54	1,7-Dideaza-2-deoxy-6-nitronebularine: a pyrrolo[2,3-b]pyridine nucleoside with an intramolecular hydrogen bond stabilizing the synconformation. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2013, 69, 892-895.	0.4	0

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55	Enzymatic Synthesis of 2-Deoxy-2-d-ribose nucleosides of 8-Azapurines and 8-Aza-7-deazapurines. <i>Synlett</i> , 2012, 23, 1541-1545.	1.8	17
56	7-Deazapurine (Pyrrolo[2,3-d]pyrimidine) 2-Deoxyribonucleosides: Syntheses and Transformations. <i>Current Organic Chemistry</i> , 2012, 16, 161-223.	1.6	25
57	5-Ethynyl-2-deoxycytidine: a DNA building block with a 'clickable' side chain. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012, 68, o395-o398.	0.4	2
58	Cross-Linked DNA: Propargylated Ribonucleosides as Click-Ligation Sites for Bifunctional Azides. <i>Journal of Organic Chemistry</i> , 2012, 77, 4460-4465.	3.2	18
59	A Ratiometric Fluorescent Off Zn ²⁺ Chemosensor Based on a Tripropargylamine Pyrene Azide Click Adduct. <i>Journal of Organic Chemistry</i> , 2012, 77, 9352-9356.	3.2	105
60	7-Deazapurine and 8-Aza-7-deazapurine Nucleoside and Oligonucleotide Pyrene Click-Conjugates: Synthesis, Nucleobase Controlled Fluorescence Quenching, and Duplex Stability. <i>Journal of Organic Chemistry</i> , 2012, 77, 188-199.	3.2	45
61	Construction and Assembly of Chimeric DNA: Oligonucleotide Hybrid Molecules Composed of Parallel or Antiparallel Duplexes and Tetrameric i-Motifs. <i>Biomacromolecules</i> , 2012, 13, 4196-4204.	5.4	17
62	Parallel-stranded DNA: Enhancing duplex stability by the G-clamp™ and a pyrrolo-dC derivative. <i>Organic and Biomolecular Chemistry</i> , 2012, 10, 1861.	2.8	17
63	Construction and Assembly of Branched Y-Shaped DNA: Click-Chemistry Performed on Dendronized 8-Aza-7-deazaguanine Oligonucleotides. <i>Bioconjugate Chemistry</i> , 2012, 23, 856-870.	3.6	35
64	Cross-Linked DNA: Site-Selective 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
65	A Nucleobase-Discriminating Pyrrolo-dC Click Adduct Designed for DNA Fluorescence Mismatch Sensing. <i>Chemistry - A European Journal</i> , 2012, 18, 9590-9600.	3.3	25
66	A 2-deoxycytidine long-linker click adduct forming two conformers in the asymmetric unit. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2012, 68, o174-o178.	0.4	1
67	DNA Gold Nanoparticle Conjugates Incorporating Thiooxonucleosides: 7-Deaza-6-thio-2-deoxyguanosine as Gold Surface Anchor. <i>Bioconjugate Chemistry</i> , 2011, 22, 794-807.	3.6	10
68	Stepwise 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
69	Hydrogelation and spontaneous fiber formation of 8-aza-7-deazaadenine nucleoside click™ conjugates. <i>Tetrahedron</i> , 2011, 67, 7418-7425.	1.9	16
70	1,6-Etheno-2-deoxytubercidin hemihydrate. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2011, 67, o1111-o1114.	0.4	1
71	Triplexes with 8-Aza-2-Deoxyisoguanosine Replacing Protonated dC: Probing Third Strand Stability with a Fluorescent Nucleobase Targeting Duplex DNA. <i>ChemBioChem</i> , 2010, 11, 1443-1450.	2.6	17
72	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-dT™ Base Pair. <i>Chemistry - A European Journal</i> , 2010, 16, 14385-14396.	3.8	68

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73	2- <i>azapurine Nucleosides: Synthesis, Properties, and Base Pairing of Oligonucleotides. Chemistry and Biodiversity</i> , 2010, 7, 2145-2190.	2.1	11
74	Efficient Synthesis of the tRNA Nucleoside PreQ ₀ , 7-cyano-7-deazaguanosine, <i>via</i> Microwave-Assisted Iodo ⁺ Carbonitrile Exchange. <i>Chemistry and Biodiversity</i> , 2010, 7, 2616-2621.	2.1	3
75	Synthesis and <i>click</i> ™ density functionalization of 8-aza-7-deazaguanine DNA bearing branched side chains with terminal triple bonds. <i>Tetrahedron</i> , 2010, 66, 3930-3943.	1.9	13
76	2-Amino-8-(2-deoxy-2-fluoro- ¹² -D-arabinofuranosyl)imidazo[1,2-a][1,3,5]triazin-4(8H)-one monohydrate, a 2- ² -deoxyguanosine analogue with an altered Watson ⁺ Crick recognition site. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2010, 66, o194-o197.	0.4	2
77	Spatially Controlled DNA Nanopatterns by <i>Click</i> -Chemistry Using Oligonucleotides with Different Anchoring Sites. <i>Journal of the American Chemical Society</i> , 2010, 132, 15228-15232.	13.7	35
78	Oligonucleotide Duplexes and Multistrand Assemblies with 8-Aza-2- ² -deoxyisoguanosine: A Fluorescent isoG _d Shape Mimic Expanding the Genetic Alphabet and Forming Ionophores. <i>Journal of the American Chemical Society</i> , 2010, 132, 4016-4024.	13.7	49
79	<i>Double Click</i> -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
80	Azide ⁺ Alkyne <i>Click</i> -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
81	Cross-Linked DNA Generated by <i>Bis-click</i> -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
82	Studies on the Glycosylation of Pyrrolo[2,3- <i>d</i>] Pyrimidines with 1- <i>O</i> -Acetyl-2,3,5-Tri- <i>O</i> -Benzoyl- ¹² -D-Ribofuranose: The Formation of Regioisomers During Toyocamycin and 7-Deazainosine Syntheses. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2009, 28, 678-694.	1.1	10
83	A toyocamycin analogue with the sugar moiety in a <i>syn</i> conformation. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2009, 65, o431-o434.	0.4	2
84	2- ² -Deoxy-5-propynyluridine: a nucleoside with two conformations in the asymmetric unit. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2009, 65, o645-o648.	0.4	3
85	8-Aza-7-deazaguanine nucleosides and oligonucleotides with octadiynyl side chains: synthesis, functionalization by the azide-alkyne <i>click</i> ™ reaction and nucleobase specific fluorescence quenching of coumarin dye conjugates. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 1374.	2.8	50
86	8-Aza-2- 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
87	7-Fluorotubercidin: a halogenated derivative of a naturally occurring nucleoside antimetabolite. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2008, 64, o293-o295.	0.4	2
88	7-Deaza-2- ² -deoxyinosine: a nucleoside showing ambiguous base-pairing properties against the four canonical DNA constituents. <i>Acta Crystallographica Section C: Crystal Structure Communications</i> , 2008, 64, o417-o419.	0.4	1
89	DNA with Branched Internal Side Chains: Synthesis of 5-Tripropargylamine ^d U and Conjugation by an Azide ⁺ Alkyne Double Click Reaction. <i>ChemBioChem</i> , 2008, 9, 2305-2316.	2.6	43
90	7-Halogenated 7-Deazapurine 2- ² -Deoxyribonucleosides Related to 2- ² -Deoxyadenosine, 2- ² -Deoxyxanthosine, and 2- ² -Deoxyisoguanosine: Syntheses and Properties. <i>Helvetica Chimica Acta</i> , 2008, 91, 1083-1105.	1.6	5

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91	Oligonucleotides Containing 7-Deaza-2-deoxyinosine as Universal Nucleoside: Synthesis of Halogenated and 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
92	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
93	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
94	2-Deoxyimmunosine: stereoselective synthesis, base pairing and duplex stability of oligonucleotides containing 8-oxo-7-thiaguanine. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 1450.	2.8	4
95	6-Azauracil or 8-aza-7-deazaadenine nucleosides and oligonucleotides: the effect of 2-fluoro substituents and nucleobase nitrogens on conformation and base pairing. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 596.	2.8	7
96	DNA with stable fluorinated dA and dG substitutes: syntheses, base pairing and 19F-NMR spectra of 7-fluoro-7-deaza-2-deoxyadenosine and 7-fluoro-7-deaza-2-deoxyguanosine. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 3552.	2.8	15
97	Mismatch formation in solution and on DNA microarrays: how modified nucleosides can overcome shortcomings of imperfect hybridization caused by oligonucleotide composition and base pairing. <i>Molecular BioSystems</i> , 2008, 4, 232.	2.9	16
98	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
99	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
100	Fluorinated 7-Deazapurine 2-Deoxyribonucleosides: Modification At The Nucleobase And The Sugar Moiety. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 607-610.	1.1	6
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