

Michal Hocek

List of Publications by Year in descending order

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281
papers

9,035
citations

38742

50
h-index

76900

74
g-index

379
all docs

379
docs citations

379
times ranked

5147
citing authors

#	ARTICLE	IF	CITATIONS
1	Solid-phase recombinase polymerase amplification using ferrocene-labelled dNTPs for electrochemical detection of single nucleotide polymorphisms. <i>Biosensors and Bioelectronics</i> , 2022, 198, 113825.	10.1	18
2	Polymerase Synthesis of DNA Containing Iodinated Pyrimidine or 7-Deazapurine Nucleobases and Their Post-synthetic Modifications through the Suzuki-Miyaura Cross-Coupling Reactions. <i>ChemBioChem</i> , 2022, 23, .	2.6	5
3	Glyoxal-Linked Nucleotides and DNA for Bioconjugations and Crosslinking with Arginine-Containing Peptides and Proteins. <i>Chemistry - A European Journal</i> , 2022, 28, e202104208.	3.3	5
4	Glucosylated 5-Hydroxymethylpyrimidines as Epigenetic DNA Bases Regulating Transcription and Restriction Cleavage. <i>Chemistry - A European Journal</i> , 2022, 28, .	3.3	8
5	Homologues of epigenetic pyrimidines: 5-alkyl-, 5-hydroxyalkyl and 5-acyluracil and -cytosine nucleotides: synthesis, enzymatic incorporation into DNA and effect on transcription with bacterial RNA polymerase. <i>RSC Chemical Biology</i> , 2022, 3, 1069-1075.	4.1	5
6	Epigenetic Pyrimidine Nucleotides in Competition with Natural dNTPs as Substrates for Diverse DNA Polymerases. <i>ACS Chemical Biology</i> , 2022, 17, 2781-2788.	3.4	4
7	Celebrating Czech Chemistry. <i>ChemPlusChem</i> , 2021, 86, 10-10.	2.8	0
8	Synthesis and Antitrypanosomal Activity of 6-Substituted 7-Methyl-7-deazapurine Nucleosides. <i>ACS Infectious Diseases</i> , 2021, 7, 917-926.	3.8	4
9	Ferrocene-Containing DNA Monolayers: Influence of Electrostatics on the Electron Transfer Dynamics. <i>Langmuir</i> , 2021, 37, 3359-3369.	3.5	4
10	Carborane- or Metallocarborane-Linked Nucleotides for Redox Labeling. Orthogonal Multipotential Coding of all Four DNA Bases for Electrochemical Analysis and Sequencing. <i>Journal of the American Chemical Society</i> , 2021, 143, 7124-7134.	13.7	37
11	Acetophenyl-thienyl-aniline-Linked Nucleotide for Construction of Solvatochromic Fluorescence Light-Up DNA Probes Sensing Protein-DNA Interactions. <i>Chemistry - A European Journal</i> , 2021, 27, 7090-7093.	3.3	17
12	Synthesis and anti-trypanosomal activity of 3-fluororibonucleosides derived from 7-deazapurine nucleosides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 40, 127957.	2.2	6
13	1,3-Diketone-Modified Nucleotides and DNA for Cross-Linking with Arginine-Containing Peptides and Proteins. <i>Angewandte Chemie</i> , 2021, 133, 17523-17527.	2.0	3
14	1,3-Diketone-Modified Nucleotides and DNA for Cross-Linking with Arginine-Containing Peptides and Proteins. <i>Angewandte Chemie - International Edition</i> , 2021, 60, 17383-17387.	13.8	19
15	Antiviral Activity of 7-Substituted 7-Deazapurine Ribonucleosides, Monophosphate Prodrugs, and Triphosphates against Emerging RNA Viruses. <i>ACS Infectious Diseases</i> , 2021, 7, 471-478.	3.8	22
16	Electrochemical Detection of Single-Nucleotide Polymorphism Associated with Rifampicin Resistance in <i>Mycobacterium tuberculosis</i> Using Solid-Phase Primer Elongation with Ferrocene-Linked Redox-Labeled Nucleotides. <i>ACS Sensors</i> , 2021, 6, 4398-4407.	7.8	9
17	Nucleotides bearing aminophenyl- or aminonaphthyl-3-methoxychromone solvatochromic fluorophores for the enzymatic construction of DNA probes for the detection of protein-DNA binding. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 9966-9974.	2.8	8
18	Vicinal Diol-Tethered Nucleobases as Targets for DNA Redox Labeling with Osmate Complexes. <i>ChemBioChem</i> , 2020, 21, 171-180.	2.6	6

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19	Oxidative DNA Cleavage with Clip-Phenanthroline Triplex-Forming Oligonucleotide Hybrids. <i>ChemBioChem</i> , 2020, 21, 991-1000.	2.6	11
20	2-Substituted 2'-deoxyinosine 5'-triphosphates as substrates for polymerase synthesis of minor-groove-modified DNA and effects on restriction endonuclease cleavage. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 255-262.	2.8	8
21	Tuning of Oxidation Potential of Ferrocene for Ratiometric Redox Labeling and Coding of Nucleotides and DNA. <i>Chemistry - A European Journal</i> , 2020, 26, 1286-1291.	3.3	33
22	Thiophene-linked tetramethylbodipy-labeled nucleotide for viscosity-sensitive oligonucleotide probes of hybridization and protein-DNA interactions. <i>Organic and Biomolecular Chemistry</i> , 2020, 18, 912-919.	2.8	24
23	Pyrido-Fused Deazapurine Bases: Synthesis and Glycosylation of 4-Substituted 9 <i>H</i> -Pyrido[2,3,4,5]- and Pyrido[4,3,4,5]pyrrolo[2,3- <i>d</i>]pyrimidines. <i>ACS Omega</i> , 2020, 5, 26278-26286.	3.5	1
24	Synthesis and Biological Profiling of Pyrazolo-Fused 7-Deazapurine Nucleosides. <i>Journal of Organic Chemistry</i> , 2020, 85, 10539-10551.	3.2	7
25	Photocaged 5-(Hydroxymethyl)pyrimidine Nucleoside Phosphoramidites for Specific Photoactivatable Epigenetic Labeling of DNA. <i>Organic Letters</i> , 2020, 22, 9081-9085.	4.6	7
26	Enzymatic synthesis of hypermodified DNA polymers for sequence-specific display of four different hydrophobic groups. <i>Nucleic Acids Research</i> , 2020, 48, 11982-11993.	14.5	19
27	2'-Formyl-ATP as Substrate for Polymerase Synthesis of Reactive DNA Bearing an Aldehyde Group in the Minor Groove. <i>ChemPlusChem</i> , 2020, 85, 1164-1170.	2.8	12
28	Nucleotide-Bearing Benzylidene-Tetrahydroxanthylum Near-IR Fluorophore for Sensing DNA Replication, Secondary Structures and Interactions. <i>Chemistry - A European Journal</i> , 2020, 26, 11950-11954.	3.3	18
29	Synthesis and Cytotoxic and Antiviral Activity Profiling of All-Four Isomeric Series of Pyrido-Fused 7-Deazapurine Ribonucleosides. <i>Chemistry - A European Journal</i> , 2020, 26, 13002-13015.	3.3	12
30	Synthesis, Photophysical Properties, and Biological Profiling of Benzothieno-Fused 7-Deazapurine Ribonucleosides. <i>Journal of Organic Chemistry</i> , 2020, 85, 8085-8101.	3.2	7
31	Reactive modifications of DNA nucleobases for labelling, bioconjugations, and cross-linking. <i>Current Opinion in Chemical Biology</i> , 2019, 52, 136-144.	6.1	42
32	Squaramate-Modified Nucleotides and DNA for Specific Cross-Linking with Lysine-Containing Peptides and Proteins. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13345-13348.	13.8	27
33	Squaramate-Modified Nucleotides and DNA for Specific Cross-Linking with Lysine-Containing Peptides and Proteins. <i>Angewandte Chemie</i> , 2019, 131, 13479-13482.	2.0	13
34	Enzymatic Synthesis of Base-Functionalized Nucleic Acids for Sensing, Cross-linking, and Modulation of Protein-DNA Binding and Transcription. <i>Accounts of Chemical Research</i> , 2019, 52, 1730-1737.	15.6	69
35	Synthesis of Base-Modified dNTPs Through Cross-Coupling Reactions and Their Polymerase Incorporation to DNA. <i>Methods in Molecular Biology</i> , 2019, 1973, 39-57.	0.9	1
36	Synthesis of Cyclic and Acyclic Nucleoside Phosphonates and Sulfonamides Derived from 6-(Thiophen-2-yl)-7-fluoro-7-deazapurine. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 5409-5423.	2.4	3

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37	Switching transcription with bacterial RNA polymerase through photocaging, photorelease and phosphorylation reactions in the major groove of DNA. <i>Chemical Science</i> , 2019, 10, 3937-3942.	7.4	40
38	Electrochemical genosensor for the direct detection of tailed PCR amplicons incorporating ferrocene labelled dATP. <i>Biosensors and Bioelectronics</i> , 2019, 134, 76-82.	10.1	24
39	Duplex Electrochemical DNA Sensor to Detect <i>Bacillus anthracis</i> CAP and PAG DNA Targets Based on the Incorporation of Tailed Primers and Ferrocene-Labeled dATP. <i>ACS Omega</i> , 2019, 4, 21900-21908.	3.5	9
40	Dual redox labeling of DNA as a tool for electrochemical detection of p53 protein-DNA interactions. <i>Analytica Chimica Acta</i> , 2019, 1050, 123-131.	5.4	5
41	Isomeric Naphtho-fused 7-Deazapurine Nucleosides and Nucleotides: Synthesis, Biological Activity, Photophysical Properties and Enzymatic Incorporation to Nucleic Acids. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5092-5108.	2.4	11
42	Turning Off Transcription with Bacterial RNA Polymerase through CuAAC Click Reactions of DNA Containing 5-Ethynyluracil. <i>Chemistry - A European Journal</i> , 2018, 24, 8311-8314.	3.3	20
43	Protected 5-(hydroxymethyl)uracil nucleotides bearing visible-light photocleavable groups as building blocks for polymerase synthesis of photocaged DNA. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 1527-1535.	2.8	23
44	Butylacrylate-nucleobase Conjugates as Targets for Two-step Redox Labeling of DNA with an Osmium Tetroxide Complex. <i>Electroanalysis</i> , 2018, 30, 371-377.	2.9	3
45	Voltammetric and adsorption study of 4-nitrophenyl-triazole-labeled 2-deoxycytidine and 7-deazaadenosine nucleosides at boron-doped diamond electrode. <i>Journal of Electroanalytical Chemistry</i> , 2018, 821, 111-120.	3.8	12
46	C-H Imidation of 7-Deazapurines. <i>ACS Omega</i> , 2018, 3, 4674-4678.	3.5	10
47	Electrochemical reduction of azidophenyl-deoxynucleoside conjugates at mercury surface. <i>Electrochimica Acta</i> , 2018, 259, 377-385.	5.2	3
48	Synthesis and Cytotoxic and Antiviral Profiling of Pyrrolo- and Furo-Fused 7-Deazapurine Ribonucleosides. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 9347-9359.	6.4	24
49	Synthesis of 2-deoxycytidine and its triphosphate bearing tryptophan-based imidazolinone fluorophore for environment sensitive fluorescent labelling of DNA. <i>Tetrahedron</i> , 2018, 74, 6621-6629.	1.9	10
50	Brightly Fluorescent 2-Deoxyribonucleoside Triphosphates Bearing Methylated Bodipy Fluorophore for <i>in Cellulo</i> Incorporation to DNA, Imaging, and Flow Cytometry. <i>Bioconjugate Chemistry</i> , 2018, 29, 3906-3912.	3.6	27
51	Synthesis of Dihydroxyalkynyl and Dihydroxyalkyl Nucleotides as Building Blocks or Precursors for Introduction of Diol or Aldehyde Groups to DNA for Bioconjugations. <i>Chemistry - A European Journal</i> , 2018, 24, 11890-11894.	3.3	22
52	Enzymatic synthesis of base-modified RNA by T7 RNA polymerase. A systematic study and comparison of 5-substituted pyrimidine and 7-substituted 7-deazapurine nucleoside triphosphates as substrates. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5800-5807.	2.8	34
53	2-Allyl- and Propargylamino-dATPs for Site-specific Enzymatic Introduction of a Single Modification in the Minor Groove of DNA. <i>Chemistry - A European Journal</i> , 2018, 24, 14938-14941.	3.3	19
54	Thienopyrrolo[2,3-d]pyrimidines, New Tricyclic Nucleobase Analogues: Synthesis and Biological Activities. <i>ChemistrySelect</i> , 2018, 3, 9144-9149.	1.5	2

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55	Protected 2'-deoxyribonucleoside triphosphate building blocks for the photocaging of epigenetic 5-(hydroxymethyl)cytosine in DNA. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5427-5432.	2.8	18
56	Flexible Alkyne-Linked Thymidine Phosphoramidites and Triphosphates for Chemical or Polymerase Synthesis and Fast Postsynthetic DNA Functionalization through Copper-Catalyzed Alkyne-Azide 1,3-Dipolar Cycloaddition. <i>Organic Letters</i> , 2018, 20, 3962-3965.	4.6	26
57	Synthesis of Nucleosides through Direct Glycosylation of Nucleobases with 5'-Monoprotected or 5'-Modified Ribose: Improved Protocol, Scope, and Mechanism. <i>Chemistry - A European Journal</i> , 2017, 23, 3910-3917.	3.3	30
58	Synthesis and Cytostatic and Antiviral Profiling of Thieno-Fused 7-Deazapurine Ribonucleosides. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 2411-2424.	6.4	33
59	Synthesis of 2,6-Substituted 7-(Het)aryl-7-deazapurine Nucleobases (2,4-Disubstituted) <i>Tj ETQq1 1 0.784314 rgBT/Qverlock_10 Tf 505</i>	2.3	3
60	Carborane-linked 2'-deoxyuridine 5'-O-triphosphate as building block for polymerase synthesis of carborane-modified DNA. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 4786-4788.	2.2	13
61	Synthesis and antiproliferative properties of new hydrophilic esters of triterpenic acids. <i>European Journal of Medicinal Chemistry</i> , 2017, 140, 403-420.	5.5	22
62	Trifluoroacetophenone-Linked Nucleotides and DNA for Studying of DNA-Protein Interactions by ¹⁹ F NMR Spectroscopy. <i>Journal of Organic Chemistry</i> , 2017, 82, 11431-11439.	3.2	14
63	Sugar modified pyrimido[4,5-b]indole nucleosides: synthesis and antiviral activity. <i>MedChemComm</i> , 2017, 8, 1856-1862.	3.4	13
64	Pyrrolo[2,3-d]pyrimidine (7-deazapurine) as a privileged scaffold in design of antitumor and antiviral nucleosides. <i>Medicinal Research Reviews</i> , 2017, 37, 1429-1460.	10.5	87
65	Phenothiazine-linked nucleosides and nucleotides for redox labelling of DNA. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6984-6996.	2.8	13
66	5-(Hydroxymethyl)uracil and -cytosine as potential epigenetic marks enhancing or inhibiting transcription with bacterial RNA polymerase. <i>Chemical Communications</i> , 2017, 53, 13253-13255.	4.1	18
67	Strategies toward protecting group-free glycosylation through selective activation of the anomeric center. <i>Beilstein Journal of Organic Chemistry</i> , 2017, 13, 1239-1279.	2.2	35
68	2'-Substituted dATP Derivatives as Building Blocks for Polymerase-Catalyzed Synthesis of DNA Modified in the Minor Groove. <i>Angewandte Chemie</i> , 2016, 128, 16088-16091.	2.0	19
69	A Rotational BODIPY Nucleotide: An Environment-Sensitive Fluorescence-Lifetime Probe for DNA Interactions and Applications in Live-Cell Microscopy. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 174-178.	13.8	103
70	Polymerase Synthesis of Base-Modified DNA. <i>Nucleic Acids and Molecular Biology</i> , 2016, , 123-144.	0.2	3
71	Voltammetric analysis of 5-(4-Azidophenyl)-2'-deoxycytidine nucleoside and azidophenyl-labelled single- and double-stranded DNAs. <i>Electrochimica Acta</i> , 2016, 215, 72-83.	5.2	9
72	Copper-mediated arylsulfanylations and arylselanylations of pyrimidine or 7-deazapurine nucleosides and nucleotides. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10018-10022.	2.8	13

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73	5-Substituted Pyrimidine and 7-Substituted 7-Deazapurine dNTPs as Substrates for DNA Polymerases in Competitive Primer Extension in the Presence of Natural dNTPs. <i>ACS Chemical Biology</i> , 2016, 11, 3165-3171.	3.4	63
74	Additions of Thiols to 7-Vinyl-7-deazaadenine Nucleosides and Nucleotides. Synthesis of Hydrophobic Derivatives of 2'-Deoxyadenosine, dATP and DNA. <i>Journal of Organic Chemistry</i> , 2016, 81, 11115-11125.	3.2	16
75	6-Aryl-4-amino-pyrimido[4,5-b]indole 2'-deoxyribonucleoside triphosphates (benzo-fused 7-deaza-dATP) binding study. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 4528-4535.	3.0	7
76	Chloroacetamide-Linked Nucleotides and DNA for Cross-Linking with Peptides and Proteins. <i>Bioconjugate Chemistry</i> , 2016, 27, 2089-2094.	3.6	34
77	2'-Substituted dATP Derivatives as Building Blocks for Polymerase-Catalyzed Synthesis of DNA Modified in the Minor Groove. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 15856-15859.	13.8	56
78	C-H Phosphonation of Pyrrolopyrimidines: Synthesis of Substituted 7- and 9-Deazapurine-8-phosphonate Derivatives. <i>Journal of Organic Chemistry</i> , 2016, 81, 9507-9514.	3.2	30
79	Solvatochromic fluorene-linked nucleoside and DNA as color-changing fluorescent probes for sensing interactions. <i>Chemical Science</i> , 2016, 7, 5775-5785.	7.4	55
80	7-(2-Thienyl)-7-Deazaadenosine (AB61), a New Potent Nucleoside Cytostatic with a Complex Mode of Action. <i>Molecular Cancer Therapeutics</i> , 2016, 15, 922-937.	4.1	27
81	Influence of major-groove chemical modifications of DNA on transcription by bacterial RNA polymerases. <i>Nucleic Acids Research</i> , 2016, 44, 3000-3012.	14.5	19
82	Synthesis of Fluorescent 2-Substituted 6-(Het)aryl-7-deazapurine Bases {4-(Het)aryl-pyrrolo[2,3-d]pyrimidines} by Aqueous Suzuki-Miyaura Cross-Coupling Reactions. <i>Synthesis</i> , 2016, 48, 1029-1045.	2.3	12
83	Inhibition of non-templated nucleotide addition by DNA polymerases in primer extension using twisted intercalating nucleic acid modified templates. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 288-291.	2.2	26
84	Flexible double-headed cytosine-linked 2'-deoxycytidine nucleotides. Synthesis, polymerase incorporation to DNA and interaction with DNA methyltransferases. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 1268-1276.	3.0	13
85	Polymerase Synthesis and Restriction Enzyme Cleavage of DNA Containing 7-Substituted 7-Deazaguanine Nucleobases. <i>ChemBioChem</i> , 2015, 16, 2225-2236.	2.6	31
86	Synthesis of Benzene and Pyridine 2'-Methylribonucleosides and nucleotides. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7962-7983.	2.4	11
87	Modification of Pyrrolo[2,3-d]pyrimidines by C-H Borylation Followed by Cross-Coupling or Other Transformations: Synthesis of 6,8-Disubstituted 7-Deazapurine Bases. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7943-7961.	2.4	17
88	Synthesis and biological profiling of 6- or 7-(het)aryl-7-deazapurine 4'-C-methylribonucleosides. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 7422-7438.	3.0	15
89	Fluorescence Quenching in Oligonucleotides Containing 7-Substituted 7-Deazaguanine Bases Prepared by the Nicking Enzyme Amplification Reaction. <i>Bioconjugate Chemistry</i> , 2015, 26, 361-366.	3.6	13
90	2'-Substituted 6-(Het)aryl-7-deazapurine Ribonucleosides: Synthesis, Inhibition of Adenosine Kinases, and Antimycobacterial Activity. <i>ChemMedChem</i> , 2015, 10, 1079-1093.	3.2	13

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91	Synthesis and cytostatic activity of 7-arylsulfanyl-7-deazapurine bases and ribonucleosides. <i>MedChemComm</i> , 2015, 6, 576-580.	3.4	14
92	Azidopropylvinylsulfonamide as a New Bifunctional Click Reagent for Bioorthogonal Conjugations: Application for DNA-Protein Cross-Linking. <i>Chemistry - A European Journal</i> , 2015, 21, 16091-16102.	3.3	20
93	Cleavage of DNA containing 5-fluorocytosine or 5-fluorouracil by type II restriction endonucleases. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 6885-6890.	3.0	4
94	Polymerase synthesis of DNA labelled with benzylidene cyanoacetamide-based fluorescent molecular rotors: fluorescent light-up probes for DNA-binding proteins. <i>Chemical Communications</i> , 2015, 51, 4880-4882.	4.1	53
95	Direct One-Pot Synthesis of Nucleosides from Unprotected or 5'-O-Monoprotected β -Ribose. <i>Organic Letters</i> , 2015, 17, 4604-4607.	4.6	32
96	Ir-catalyzed C-H silylations of phenyldeazapurines. <i>Tetrahedron Letters</i> , 2015, 56, 6860-6862.	1.4	12
97	Azidophenyl as a click-transformable redox label of DNA suitable for electrochemical detection of DNA-protein interactions. <i>Chemical Science</i> , 2015, 6, 575-587.	7.4	57
98	Direct C-H amination and C-H chloroamination of 7-deazapurines. <i>RSC Advances</i> , 2014, 4, 62140-62143.	3.6	17
99	Systematic exploration of a class of hydrophobic unnatural base pairs yields multiple new candidates for the expansion of the genetic alphabet. <i>Nucleic Acids Research</i> , 2014, 42, 10235-10244.	14.5	72
100	Voltammetric Study of dsDNA Modified by Multi-redox Label Based on N-methyl-4-hydrazino-7-nitrobenzofurazan. <i>Electrochimica Acta</i> , 2014, 129, 348-357.	5.2	16
101	Polymerase Synthesis of Photocaged DNA Resistant against Cleavage by Restriction Endonucleases. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 6734-6737.	13.8	43
102	Synthesis, Cytostatic, Antimicrobial, and Anti-HCV Activity of 6-Substituted 7-(Het)aryl-7-deazapurine Ribonucleosides. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 1097-1110.	6.4	63
103	Chemoselective Synthesis of 4,5-Diarylpyrrolo[2,3-d]pyrimidines (6,7-Diaryl-7-deazapurines) by Consecutive Suzuki and Liebeskind-Srogl Cross-Couplings. <i>European Journal of Organic Chemistry</i> , 2014, 2014, 7203-7210.	2.4	19
104	Methoxyphenol and Dihydrobenzofuran as Oxidizable Labels for Electrochemical Detection of DNA. <i>ChemPlusChem</i> , 2014, 79, 1703-1712.	2.8	9
105	Synthesis of Base-Modified 2'-Deoxyribonucleoside Triphosphates and Their Use in Enzymatic Synthesis of Modified DNA for Applications in Bioanalysis and Chemical Biology. <i>Journal of Organic Chemistry</i> , 2014, 79, 9914-9921.	3.2	132
106	Bodipy-Labeled Nucleoside Triphosphates for Polymerase Synthesis of Fluorescent DNA. <i>Bioconjugate Chemistry</i> , 2014, 25, 1984-1995.	3.6	37
107	Structural Basis for Inhibition of Mycobacterial and Human Adenosine Kinase by 7-Substituted 7-(Het)aryl-7-deazaadenine Ribonucleosides. <i>Journal of Medicinal Chemistry</i> , 2014, 57, 8268-8279.	6.4	26
108	Electrochemical behaviour of 2,4-dinitrophenylhydraz(o)ne as multi-redox centre DNA label at mercury meniscus modified silver solid amalgam electrode. <i>Electrochimica Acta</i> , 2014, 126, 122-131.	5.2	16

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109	Polymerase Synthesis of DNAs Bearing Vinyl Groups in the Major Groove and their Cleavage by Restriction Endonucleases. <i>ChemBioChem</i> , 2014, 15, 2306-2312.	2.6	14
110	7- <i>Aryl</i> - <i>deaza</i> adenine 2- <i>Deoxyribo</i> nucleoside Triphosphates (dNTPs): Better Substrates for DNA Polymerases than dATP in Competitive Incorporations. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 7552-7555.	13.8	61
111	C-H Trifluoromethylations of 1,3-Dimethyluracil and Reactivity of the Products in C-H Arylations. <i>Heterocycles</i> , 2014, 89, 1159.	0.7	9
112	Vinylsulfonamide and Acrylamide Modification of DNA for Cross-linking with Proteins. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10515-10518.	13.8	83
113	Direct C-H sulfenylation of purines and deazapurines. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5189.	2.8	57
114	Synthesis and biological activity of benzo-fused 7-deazaadenosine analogues. 5- and 6-substituted 4-amino- or 4-alkylpyrimido[4,5-b]indole ribonucleosides. <i>Bioorganic and Medicinal Chemistry</i> , 2013, 21, 5362-5372.	3.0	26
115	Aqueous Heck Cross-Coupling Preparation of Acrylate-Modified Nucleotides and Nucleoside Triphosphates for Polymerase Synthesis of Acrylate-Labeled DNA. <i>Journal of Organic Chemistry</i> , 2013, 78, 9627-9637.	3.2	32
116	6-Alkyl-, 6-aryl- or 6-hetaryl-7-deazapurine ribonucleosides as inhibitors of human or MTB adenosine kinase and potential antimycobacterial agents. <i>MedChemComm</i> , 2013, 4, 1497.	3.4	17
117	Polymerase synthesis of oligonucleotides containing a single chemically modified nucleobase for site-specific redox labelling. <i>Chemical Communications</i> , 2013, 49, 4652.	4.1	31
118	Editorial: A Smooth Transition. <i>ChemPlusChem</i> , 2013, 78, 3-3.	2.8	0
119	Synthesis of nucleosides and dNTPs bearing oligopyridine ligands linked through an octadiyne tether, their incorporation into DNA and complexation with transition metal cations. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 78-89.	2.8	9
120	Nucleobase Protection Strategy for Gene Cloning and Expression. <i>ChemBioChem</i> , 2013, 14, 801-804.	2.6	20
121	Scope and Limitations of the Nicking Enzyme Amplification Reaction for the Synthesis of Base-Modified Oligonucleotides and Primers for PCR. <i>Bioconjugate Chemistry</i> , 2013, 24, 1081-1093.	3.6	44
122	Synthesis of 2,6-disubstituted pyridin-3-yl C-2-deoxyribonucleosides through chemoselective transformations of bromo-chloropyridine C-nucleosides. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 4702.	2.8	17
123	Synthesis and Cytostatic and Antiviral Activities of 2- <i>Deoxy</i> -2,2- <i>difluoro</i> ribo- and 2- <i>Deoxy</i> -2- <i>fluoro</i> ribonucleosides Derived from 7-(<i>Het</i>) <i>aryl</i> - <i>deaza</i> adenines. <i>ChemMedChem</i> , 2013, 8, 832-846.	3.3	14
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