

Radek Pohl

List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/1388666/publications.pdf>

Version: 2024-02-01

274
papers

8,229
citations

50170

46
h-index

85405

71
g-index

344
all docs

344
docs citations

344
times ranked

6738
citing authors

#	ARTICLE	IF	CITATIONS
1	A Diastereoselective Catalytic Approach to Pentasubstituted Pyrrolidines by Tandem Anionicâ€Radical Crossâ€Over Reactions. <i>Advanced Synthesis and Catalysis</i> , 2022, 364, 671-678.	2.1	2
2	Glyoxalâ€Linked Nucleotides and DNA for Bioconjugations and Crosslinking with Arginineâ€Containing Peptides and Proteins. <i>Chemistry - A European Journal</i> , 2022, 28, e202104208.	1.7	5
3	Unlocking the Hydrolytic Mechanism of GH92 Î±â€1,2â€Mannosidases: Computation Inspires the use of Câ€Glycosides as Michaelis Complex Mimics. <i>Chemistry - A European Journal</i> , 2022, 28, .	1.7	6
4	Loss of UCP1 function augments recruitment of futile lipid cycling for thermogenesis in murine brown fat. <i>Molecular Metabolism</i> , 2022, 61, 101499.	3.0	30
5	Efficiently Computing NMR ¹ H and ¹³ C Chemical Shifts of Saccharides in Aqueous Environment. <i>Journal of Chemical Theory and Computation</i> , 2022, 18, 4373-4386.	2.3	6
6	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.	2.0	5
7	LEGO-Lipophosphonoxins: A Novel Approach in Designing Membrane Targeting Antimicrobials. <i>Journal of Medicinal Chemistry</i> , 2022, 65, 10045-10078.	2.9	5
8	Multipodal insulin mimetics built on adamantane or proline scaffolds. <i>Bioorganic Chemistry</i> , 2021, 107, 104548.	2.0	3
9	1,2,4-Thiadiazole acyclic nucleoside phosphonates as inhibitors of cysteine dependent enzymes cathepsin K and GSK-3Î². <i>Bioorganic and Medicinal Chemistry</i> , 2021, 32, 115998.	1.4	12
10	Î±,Î³-Dioxygenated amides via tandem Brook rearrangement/radical oxygenation reactions and their application to syntheses of Î³-lactams. <i>Beilstein Journal of Organic Chemistry</i> , 2021, 17, 688-704.	1.3	4
11	Carborane- or Metallacarborane-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.	6.6	37
12	<i>Helicobacter pylori</i> Xanthineâ€Guanineâ€Hypoxanthine Phosphoribosyltransferaseâ€A Putative Target for Drug Discovery against Gastrointestinal Tract Infections. <i>Journal of Medicinal Chemistry</i> , 2021, 64, 5710-5729.	2.9	4
13	Synthesis and anti-trypanosomal activity of 3â€2-fluororibonucleosides derived from 7-deazapurine nucleosides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2021, 40, 127957.	1.0	6
14	First Total Synthesis of Phytoprostanes with Prostaglandinâ€Like Configuration, Evidence for Their Formation in Edible Vegetable Oils and Orienting Study of Their Biological Activity. <i>Chemistry - A European Journal</i> , 2021, 27, 9556-9562.	1.7	3
15	Stereoselective Synthesis of (Z)-Î²-Enamido Fluorides from N-Fluoroalkyl- and N-Sulfonyl-1,2,3-triazoles. <i>Organic Letters</i> , 2021, 23, 4224-4227.	2.4	9
16	Facile Approach to Câ€Glucosides by Using a Protectingâ€Groupâ€Free Hiyama Crossâ€Coupling Reaction: Highâ€Yielding Dapagliflozin Synthesis. <i>Chemistry - A European Journal</i> , 2021, 27, 10583-10588.	1.7	6
17	Facile Approach to Câ€Glucosides by Using a Protectingâ€Groupâ€Free Hiyama Crossâ€Coupling Reaction: Highâ€Yielding Dapagliflozin Synthesis. <i>Chemistry - A European Journal</i> , 2021, 27, 10488.	1.7	0
18	1,3â€Diketoneâ€Modified Nucleotides and DNA for Crossâ€Linking with Arginineâ€Containing Peptides and Proteins. <i>Angewandte Chemie</i> , 2021, 133, 17523-17527.	1.6	3

#	ARTICLE	IF	CITATIONS
19	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.	7.2	19
20	RelA-SpoT Homolog toxins pyrophosphorylate the CCA end of tRNA to inhibit protein synthesis. <i>Molecular Cell</i> , 2021, 81, 3160-3170.e9.	4.5	26
21	Nonhydrolysable Analogues of (p)ppGpp and (p)ppApp Alarmone Nucleotides as Novel Molecular Tools. <i>ACS Chemical Biology</i> , 2021, 16, 1680-1691.	1.6	2
22	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.	1.8	22
23	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.	1.5	8
24	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.	1.7	33
25	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.	1.5	24
26	Pyrido-Fused Deazapurine Bases: Synthesis and Glycosylation of 4-Substituted 9 <i>H</i> -Pyrido[2,3- <i>d</i>]pyrimidines and Pyrido[4,3- <i>d</i>]pyrrolo[2,3- <i>d</i>]pyrimidines. <i>ACS Omega</i> , 2020, 5, 26278-26286.	1.6	1
27	Chelating Polymers for Hereditary Hemochromatosis Treatment. <i>Macromolecular Bioscience</i> , 2020, 20, 2000254.	2.1	5
28	Di(benzothienyl)cyclobutenes: Toward Strained Photoswitchable Fluorophores. <i>ChemPlusChem</i> , 2020, 85, 2084-2092.	1.3	3
29	Additive Effects of Omega-3 Fatty Acids and Thiazolidinediones in Mice Fed a High-Fat Diet: Triacylglycerol/Fatty Acid Cycling in Adipose Tissue. <i>Nutrients</i> , 2020, 12, 3737.	1.7	13
30	Photocaged 5-(Hydroxymethyl)pyrimidine Nucleoside Phosphoramidites for Specific Photoactivatable Epigenetic Labeling of DNA. <i>Organic Letters</i> , 2020, 22, 9081-9085.	2.4	7
31	Enzymatic synthesis of hypermodified DNA polymers for sequence-specific display of four different hydrophobic groups. <i>Nucleic Acids Research</i> , 2020, 48, 11982-11993.	6.5	19
32	Helquats as Promoters of the Povarov Reaction: Synthesis of 1,2,3,4-Tetrahydroquinoline Scaffolds Catalyzed by Helicene-Viologen Hybrids. <i>ChemPlusChem</i> , 2020, 85, 2212-2218.	1.3	9
33	Application of the Brook Rearrangement in Tandem with Single Electron Transfer Oxidative and Radical Processes. <i>European Journal of Organic Chemistry</i> , 2020, 2020, 2854-2866.	1.2	5
34	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.	1.7	18
35	Straightforward synthesis of protected 2-hydroxyglycals by chlorination-dehydrochlorination of carbohydrate hemiacetals. <i>Carbohydrate Research</i> , 2020, 496, 108086.	1.1	2
36	Immunoactive polysaccharides produced by heterotrophic mutant of green microalga <i>Parachlorella kessleri</i> HY1 (Chlorellaceae). <i>Carbohydrate Polymers</i> , 2020, 246, 116588.	5.1	19

#	ARTICLE	IF	CITATIONS
37	Tandem Anionic oxyâ€Cope Rearrangement/Oxygenation Reactions as a Versatile Method for Approaching Diverse Scaffolds. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 6160-6165.	7.2	16
38	Synthesis and Cytotoxic and Antiviral Activity Profiling of Allâ€Four Isomeric Series of Pyridoâ€Fused 7â€Deazapurine Ribonucleosides. <i>Chemistry - A European Journal</i> , 2020, 26, 13002-13015.	1.7	12
39	Synthesis, Photophysical Properties, and Biological Profiling of Benzothieno-Fused 7-Deazapurine Ribonucleosides. <i>Journal of Organic Chemistry</i> , 2020, 85, 8085-8101.	1.7	7
40	Tandemreaktionen aus anionischer Oxyâ€Copeâ€Umlagerung und Oxygenierung als vielseitiger Zugang zu verschiedenartigen GerÃ¼sten. <i>Angewandte Chemie</i> , 2020, 132, 6218-6223.	1.6	2
41	Preparation and redox properties of fluorinated 1,3-diphenylisobenzofurans. <i>Electrochimica Acta</i> , 2019, 321, 134659.	2.6	4
42	Synthesis of fluorinated acyclic nucleoside phosphonates with 5-azacytosine base moiety. <i>Tetrahedron</i> , 2019, 75, 130529.	1.0	4
43	Squaramateâ€Modified Nucleotides and DNA for Specific Crossâ€Linking with Lysineâ€Containing Peptides and Proteins. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 13345-13348.	7.2	27
44	Photochemical CâˆH Amination of Ethers and Geminal Difunctionalization Reactions in One Pot. <i>Angewandte Chemie</i> , 2019, 131, 12570-12575.	1.6	9
45	Squaramateâ€Modified Nucleotides and DNA for Specific Crossâ€Linking with Lysineâ€Containing Peptides and Proteins. <i>Angewandte Chemie</i> , 2019, 131, 13479-13482.	1.6	13
46	Sulfide, sulfoxide and sulfone bridged acyclic nucleoside phosphonates as inhibitors of the Plasmodium falciparum and human 6-oxopurine phosphoribosyltransferases: Synthesis and evaluation. <i>European Journal of Medicinal Chemistry</i> , 2019, 183, 111667.	2.6	12
47	Photochemical CâˆH Amination of Ethers and Geminal Difunctionalization Reactions in One Pot. <i>Angewandte Chemie - International Edition</i> , 2019, 58, 12440-12445.	7.2	23
48	First total synthesis of <i>ent</i> -asperparaline C and assignment of the absolute configuration of asperparaline C. <i>Chemical Communications</i> , 2019, 55, 3931-3934.	2.2	21
49	Enantioselective resolution of side-chain modified gem-difluorinated alcohols catalysed by <i>Candida antarctica</i> lipase B and monitored by capillary electrophoresis. <i>Bioorganic and Medicinal Chemistry</i> , 2019, 27, 1246-1253.	1.4	10
50	Utilization of 1,3-Dioxolanes in the Synthesis of \pm -branched Alkyl and Aryl 9-[2-(Phosphonomethoxy)Ethyl]Purines and Study of the Influence of \pm -branched Substitution for Potential Biological Activity. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2019, 38, 119-156.	0.4	1
51	Asymmetric Synthesis of Nonracemic 2-Amino[6]helicenes and Their Self-Assembly into Langmuir Films. <i>Journal of Organic Chemistry</i> , 2018, 83, 5523-5538.	1.7	35
52	Isomeric Naphthoâ€Fused 7â€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.	1.2	11
53	The Control of the Tautomeric Equilibrium of Isocytosine by Intermolecular Interactions. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5128-5135.	1.2	8
54	Design of <i>Plasmodium vivax</i> Hypoxanthine-Guanine Phosphoribosyltransferase Inhibitors as Potential Antimalarial Therapeutics. <i>ACS Chemical Biology</i> , 2018, 13, 82-90.	1.6	22

#	ARTICLE	IF	CITATIONS
55	Pyrrrolidine nucleoside bisphosphonates as antituberculosis agents targeting hypoxanthine-guanine phosphoribosyltransferase. <i>European Journal of Medicinal Chemistry</i> , 2018, 159, 10-22.	2.6	10
56	Synthesis and Cytotoxic and Antiviral Profiling of Pyrrolo- and Furo-Fused 7-Deazapurine Ribonucleosides. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 9347-9359.	2.9	24
57	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.	1.0	10
58	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.	1.8	27
59	MOP and EE Protecting Groups in Synthesis of 1- or 2-Naphthyl-C-Glycosides from Glycals. <i>ACS Omega</i> , 2018, 3, 7875-7887.	1.6	14
60	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.	1.5	34
61	Proton transfer in guanine-cytosine base pair analogues studied by NMR spectroscopy and PIMD simulations. <i>Faraday Discussions</i> , 2018, 212, 331-344.	1.6	28
62	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.	1.7	19
63	Thienopyrrolo[2,3-d]pyrimidines, New Tricyclic Nucleobase Analogues: Synthesis and Biological Activities. <i>ChemistrySelect</i> , 2018, 3, 9144-9149.	0.7	2
64	Acyclic nucleoside phosphonates with unnatural nucleobases, favipiravir and allopurinol, designed as potential inhibitors of the human and <i>Plasmodium falciparum</i> 6-oxopurine phosphoribosyltransferases. <i>Tetrahedron</i> , 2018, 74, 5886-5897.	1.0	11
65	Unique Stereoselective Homolytic C=O Bond Activation in Diketopiperazine-Derived Alkoxyamines by Adjacent Amide Pyramidalization. <i>Chemistry - A European Journal</i> , 2018, 24, 15336-15345.	1.7	7
66	Stepwise triple-click functionalization of synthetic peptides. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 5960-5964.	1.5	10
67	Lithium Chloride Catalyzed Asymmetric Domino Aza-Michael Addition/[3 + 2] Cycloaddition Reactions for the Synthesis of Spiro- and Bicyclic 1,2,3-Triamino Acid Derivatives. <i>European Journal of Organic Chemistry</i> , 2018, 2018, 5213-5221.	1.2	3
68	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.	2.4	26
69	Helicenes as Chirality-Inducing Groups in Transition-Metal Catalysis: The First Helically Chiral Olefin Metathesis Catalyst. <i>Chemistry - A European Journal</i> , 2018, 24, 10994-10998.	1.7	32
70	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.	1.7	30
71	Synthesis and Cytostatic and Antiviral Profiling of Thieno-Fused 7-Deazapurine Ribonucleosides. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 2411-2424.	2.9	33
72	Sequential Oxidative and Reductive Radical Cyclization Approach toward Asperparaline C and Synthesis of Its 8-Oxo Analogue. <i>Organic Letters</i> , 2017, 19, 1152-1155.	2.4	13

#	ARTICLE	IF	CITATIONS
73	The discovery of pyridinium 1,2,4-triazines with enhanced performance in bioconjugation reactions. <i>Chemical Science</i> , 2017, 8, 3593-3598.	3.7	35
74	Molecular mutagenesis of ppGpp: turning a RelA activator into an inhibitor. <i>Scientific Reports</i> , 2017, 7, 41839.	1.6	21
75	Ferrocenyl helquats: unusual chiral organometallic nonlinear optical chromophores. <i>Dalton Transactions</i> , 2017, 46, 1052-1064.	1.6	19
76	Limitations in the description of conformational preferences of C-disaccharides: The (1 \rightarrow 3)-C-mannobiose case. <i>Carbohydrate Research</i> , 2017, 451, 42-50.	1.1	7
77	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.	1.7	14
78	Total syntheses of all tri-oxygenated 16-phytoprostane classes via a common precursor constructed by oxidative cyclization and alkyl-alkyl coupling reactions as the key steps. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 9408-9414.	1.5	9
79	Sugar modified pyrimido[4,5- <i>b</i>]indole nucleosides: synthesis and antiviral activity. <i>MedChemComm</i> , 2017, 8, 1856-1862.	3.5	13
80	Phenothiazine-linked nucleosides and nucleotides for redox labelling of DNA. <i>Organic and Biomolecular Chemistry</i> , 2017, 15, 6984-6996.	1.5	13
81	Tunable Chiral Second-Order Nonlinear Optical Chromophores Based on Helquat Dications. <i>Journal of Physical Chemistry A</i> , 2017, 121, 5842-5855.	1.1	11
82	Lipophosphonoxins II: Design, Synthesis, and Properties of Novel Broad Spectrum Antibacterial Agents. <i>Journal of Medicinal Chemistry</i> , 2017, 60, 6098-6118.	2.9	29
83	Resolving Electronic Transitions in Synthetic Fluorescent Protein Chromophores by Magnetic Circular Dichroism. <i>ChemPhysChem</i> , 2016, 17, 2348-2354.	1.0	5
84	Structural revisions of small molecules reported to cross-link G-quadruplex DNA in vivo reveal a repetitive assignment error in the literature. <i>Scientific Reports</i> , 2016, 6, 23499.	1.6	7
85	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.	1.6	19
86	Copper-mediated arylsulfanylations and arylselanylations of pyrimidine or 7-deazapurine nucleosides and nucleotides. <i>Organic and Biomolecular Chemistry</i> , 2016, 14, 10018-10022.	1.5	13
87	Chemical systematics of Neotropical termite genera with symmetrically snapping soldiers (Termitidae: Tj ETQq1 1 0.784314 rgBT /Over	1.0	5
88	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.	1.7	16
89	6-Aryl-4-amino-pyrimido[4,5- <i>b</i>]indole 2-deoxyribonucleoside triphosphates (benzo-fused 7-deaza-dATP) Tj ETQq1 1 0.784314 rgBT binding study. <i>Bioorganic and Medicinal Chemistry</i> , 2016, 24, 4528-4535.	1.4	7
90	Novel and Efficient Synthesis of Difluorinated Derivatives of Acyclic Nucleoside Phosphonates (ANPs). <i>ChemistrySelect</i> , 2016, 1, 2102-2106.	0.7	6

#	ARTICLE	IF	CITATIONS
91	Chloroacetamide-Linked Nucleotides and DNA for Cross-Linking with Peptides and Proteins. <i>Bioconjugate Chemistry</i> , 2016, 27, 2089-2094.	1.8	34
92	[2+2+2] Cycloisomerisation of Aromatic Cyanodiyne in the Synthesis of Pyridohelicenes and Their Analogues. <i>Chemistry - A European Journal</i> , 2016, 22, 14401-14405.	1.7	41
93	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.	7.2	56
94	2,3,4-Tetrasubstituted Pyrrolidines through Tandem Lithium Amide Conjugate Addition/Radical Cyclization/Oxygenation Reactions. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3862-3871.	1.2	11
95	Oxidative radical cyclizations of diketopiperazines bearing an amidomalonate unit. Heterointermediate reaction sequences toward the asperparalines and stephacidins. <i>Free Radical Research</i> , 2016, 50, S6-S17.	1.5	7
96	Solvatochromic fluorene-linked nucleoside and DNA as color-changing fluorescent probes for sensing interactions. <i>Chemical Science</i> , 2016, 7, 5775-5785.	3.7	55
97	Crystal structure of <i>Mycobacterium tuberculosis</i> O ⁶ -methylguanine-DNA methyltransferase protein clusters assembled on to damaged DNA. <i>Biochemical Journal</i> , 2016, 473, 123-133.	1.7	18
98	Structural analysis and anti-obesity effect of a pectic polysaccharide isolated from Korean mulberry fruit Oddi (<i>Morus alba</i> L.). <i>Carbohydrate Polymers</i> , 2016, 146, 187-196.	5.1	92
99	Helquat Dyes: Helicene-like Push-Pull Systems with Large Second-Order Nonlinear Optical Responses. <i>Journal of Organic Chemistry</i> , 2016, 81, 1912-1920.	1.7	60
100	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.	1.4	13
101	Facile and Highly Diastereoselective Synthesis of <i>syn</i> - and <i>cis</i> -1,2-Diol Derivatives from Protected β -Hydroxy Ketones. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 7785-7798.	1.2	10
102	Synthesis of Bridged Diketopiperazines by Using the Persistent Radical Effect and a Formal Synthesis of Bicyclomycin. <i>Angewandte Chemie - International Edition</i> , 2015, 54, 12153-12157.	7.2	37
103	The evolution of symmetrical snapping in termite soldiers need not lead to reduced chemical defence. <i>Biological Journal of the Linnean Society</i> , 2015, 115, 818-825.	0.7	5
104	Highly Functionalized Cyclopentane Derivatives by Tandem Michael Addition/Radical Cyclization/Oxygenation Reactions. <i>Chemistry - A European Journal</i> , 2015, 21, 9877-9888.	1.7	11
105	Insights into the Mechanism of Action of Bactericidal Lipophosphonoxins. <i>PLoS ONE</i> , 2015, 10, e0145918.	1.1	15
106	Determination of the Nucleic Acid Adducts Structure at the Nucleoside/Nucleotide Level by NMR Spectroscopy. <i>Chemical Research in Toxicology</i> , 2015, 28, 155-165.	1.7	1
107	Synthesis, conformational studies, and biological properties of phosphonomethoxyethyl derivatives of nucleobases with a locked conformation via a pyrrolidine ring. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4693-4705.	1.5	12
108	N-Branched acyclic nucleoside phosphonates as monomers for the synthesis of modified oligonucleotides. <i>Organic and Biomolecular Chemistry</i> , 2015, 13, 4449-4458.	1.5	6

#	ARTICLE	IF	CITATIONS
109	Modular Stereoselective Synthesis of (1 α ,2 α)-Glycosides based on the sp ² -sp ³ Suzuki–Miyaura Reaction. <i>Chemistry - A European Journal</i> , 2015, 21, 7043-7047.	1.7	17
110	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.	1.7	20
111	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.	2.2	53
112	Direct One-Pot Synthesis of Nucleosides from Unprotected or 5-O-Monoprotected β -Ribose. <i>Organic Letters</i> , 2015, 17, 4604-4607.	2.4	32
113	Structural Features and Anti-coagulant Activity of the Sulphated Polysaccharide SPS-CF from a Green Alga <i>Capsosiphon fulvescens</i> . <i>Marine Biotechnology</i> , 2015, 17, 718-735.	1.1	49
114	Functional helquats: helical cationic dyes with marked, switchable chiroptical properties in the visible region. <i>Chemical Communications</i> , 2015, 51, 1583-1586.	2.2	45
115	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.	3.7	57
116	Pyrrolidine nucleotide analogs with a tunable conformation. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1967-1980.	1.3	5
117	NMR Studies of Purines. <i>Annual Reports on NMR Spectroscopy</i> , 2014, 82, 59-113.	0.7	14
118	Highly Functionalized and Potent Antiviral Cyclopentane Derivatives Formed by a Tandem Process Consisting of Organometallic, Transition-Metal-Catalyzed, and Radical Reaction Steps. <i>Chemistry - A European Journal</i> , 2014, 20, 10298-10304.	1.7	15
119	Asymmetric Domino Aza-Michael Addition/[3 + 2] Cycloaddition Reactions as a Versatile Approach to β , γ , δ -Triamino Acid Derivatives. <i>Organic Letters</i> , 2014, 16, 1088-1091.	2.4	22
120	N4-Acyl derivatives as lipophilic prodrugs of cidofovir and its 5-azacytosine analogue, (S)-HPMP-5-azaC: Chemistry and antiviral activity. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 2896-2906.	1.4	11
121	Diethyl Fluoronitromethylphosphonate: Synthesis and Application in Nucleophilic Fluoroalkyl Additions. <i>Chemistry - A European Journal</i> , 2014, 20, 1453-1458.	1.7	23
122	Determination of the configuration in six-membered saturated heterocycles (N, P, S, Se) and their oxidation products using experimental and calculated NMR chemical shifts. <i>Tetrahedron</i> , 2014, 70, 3871-3886.	1.0	9
123	Methoxyphenol and Dihydrobenzofuran as Oxidizable Labels for Electrochemical Detection of DNA. <i>ChemPlusChem</i> , 2014, 79, 1703-1712.	1.3	9
124	Oxidative Catalysis Using the Stoichiometric Oxidant as a Reagent: An Efficient Strategy for Single-Electron-Transfer-Induced Tandem Anion-Radical Reactions. <i>Angewandte Chemie - International Edition</i> , 2014, 53, 9944-9948.	7.2	46
125	Bodipy-Labeled Nucleoside Triphosphates for Polymerase Synthesis of Fluorescent DNA. <i>Bioconjugate Chemistry</i> , 2014, 25, 1984-1995.	1.8	37
126	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.	2.9	26

#	ARTICLE	IF	CITATIONS
127	Polymerase Synthesis of DNAs Bearing Vinyl Groups in the Major Groove and their Cleavage by Restriction Endonucleases. <i>ChemBioChem</i> , 2014, 15, 2306-2312.	1.3	14
128	The Use of Cobalt-Mediated Cycloisomerisation of Ynedinitriles in the Synthesis of Pyridazinohelicenes. <i>Chemistry - A European Journal</i> , 2014, 20, 8477-8482.	1.7	14
129	Mekabu fucoidan: Structural complexity and defensive effects against avian influenza A viruses. <i>Carbohydrate Polymers</i> , 2014, 111, 633-644.	5.1	71
130	C-H Trifluoromethylations of 1,3-Dimethyluracil and Reactivity of the Products in C-H Arylations. <i>Heterocycles</i> , 2014, 89, 1159.	0.4	9
131	Cross-Coupling Reaction of Saccharide-Based Alkenyl Boronic Acids with Aryl Halides: The Synthesis of Bergenin. <i>Chemistry - A European Journal</i> , 2014, 20, 4414-4419.	1.7	44
132	Vinylsulfonamide and Acrylamide Modification of DNA for Cross-Linking with Proteins. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 10515-10518.	7.2	83
133	Direct C-H sulfenylation of purines and deazapurines. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5189.	1.5	57
134	Synthesis of alkylcarbonate analogs of O-acetyl-ADP-ribose. <i>Organic and Biomolecular Chemistry</i> , 2013, 11, 5702.	1.5	7
135	Rapid Access to Dibenzohelicenes and their Functionalized Derivatives. <i>Angewandte Chemie - International Edition</i> , 2013, 52, 9970-9975.	7.2	137
136	Tetrathiafulvalene-Oligo(<i>para</i> -phenyleneethynylene) Conjugates: Formation of Multiple Mixed-Valence Complexes upon Electrochemical Oxidation. <i>Chemistry - A European Journal</i> , 2013, 19, 6108-6121.	1.7	10
137	Electrospray Ionization Mass Spectrometry Reveals an Unexpected Coupling Product in the Copper-Promoted Synthesis of Pyrazoles. <i>Organometallics</i> , 2013, 32, 807-816.	1.1	10
138	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.	1.4	26
139	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.	1.7	32
140	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.	1.5	9
141	Conjugate Addition of Diethyl 1-Fluoro-1-phenylsulfonylmethanephosphonate to $\hat{1},\hat{2}$ -Unsaturated Compounds. <i>Journal of Organic Chemistry</i> , 2013, 78, 4573-4579.	1.7	13
142	Benzofurazane as a New Redox Label for Electrochemical Detection of DNA: Towards Multipotential Redox Coding of DNA Bases. <i>Chemistry - A European Journal</i> , 2013, 19, 12720-12731.	1.7	54
143	A General Regioselective Synthesis of 2,4-Diarylpyrimidines from 2-Thiouracil through Two Orthogonal Cross-Coupling Reactions. <i>Synlett</i> , 2012, 23, 1305-1308.	1.0	10
144	Synthesis and antiviral activity of 4,6-disubstituted pyrimido[4,5-b]indole ribonucleosides. <i>Bioorganic and Medicinal Chemistry</i> , 2012, 20, 6123-6133.	1.4	47

#	ARTICLE	IF	CITATIONS
145	<i>i>N</i>-Phosphonocarbonylpyrrolidine Derivatives of Guanine: A New Class of Bi-Substrate Inhibitors of Human Purine Nucleoside Phosphorylase. Journal of Medicinal Chemistry, 2012, 55, 1612-1621.</i>	2.9	18
146	Synthesis and Photophysical Properties of Biaryl-Substituted Nucleos(t)ides. Polymerase Synthesis of DNA Probes Bearing Solvatochromic and pH-Sensitive Dual Fluorescent and ¹⁹ F NMR Labels. Journal of Organic Chemistry, 2012, 77, 1026-1044.	1.7	81
147	A Chiral Dicationic [8]Circulene: Photochemical Origin and Facile Thermal Conversion into a Helicene Congener. Angewandte Chemie - International Edition, 2012, 51, 11972-11976.	7.2	21
148	Syntheses of 1-[2-(Phosphonomethoxy)Alkyl]Thymine Monophosphates and an Evaluation of their Inhibitory Activity Toward Human Thymidine Phosphorylase. Nucleosides, Nucleotides and Nucleic Acids, 2012, 31, 159-171.	0.4	3
149	The 16 CB ₁₁ (CH ₃) ₃ (CD ₃) ₁₂ "i>n</i>" ¹³ C/ ¹³ C/ ¹³ C Radicals with 5-Fold Substitution Symmetry: Spin Density Distribution in CB ₁₁ Me ₁₂ ¹³ C/ ¹³ C. Inorganic Chemistry, 2012, 51, 10819-10824.	1.9	24
150	Alkyloxy carbonyl group migration in furanosides. Tetrahedron, 2012, 68, 6701-6711.	1.0	13
151	GFP-like Fluorophores as DNA Labels for Studying DNA-Protein Interactions. Journal of Organic Chemistry, 2012, 77, 8287-8293.	1.7	75
152	Labelling of nucleosides and oligonucleotides by solvatochromic 4-aminophthalimide fluorophore for studying DNA-protein interactions. Chemical Science, 2012, 3, 2797.	3.7	70
153	Sugar-modified derivatives of cytostatic 7-(het)aryl-7-deazaadenosines: 2'-C-methylribonucleosides, 2'-deoxy-2'-fluoroarabinonucleosides, arabinonucleosides and 2'-deoxyribonucleosides. Bioorganic and Medicinal Chemistry, 2012, 20, 5202-5214.	1.4	31
154	Synthesis of nucleoside mono- and triphosphates bearing oligopyridine ligands, their incorporation into DNA and complexation with transition metals. Organic and Biomolecular Chemistry, 2012, 10, 49-55.	1.5	16
155	¹³ C GIAO DFT calculation as a tool for configuration prediction of N=O group in saturated heterocyclic "i>N</i>-oxides. Magnetic Resonance in Chemistry, 2012, 50, 415-423.	1.1	10
156	Synthesis of 6-Substituted 2(1-H)-Pyridon-3-yl "i>C</i>"-2-Deoxyribonucleosides. European Journal of Organic Chemistry, 2012, 2012, 1759-1767.	1.2	8
157	Polyfunctional "i>D</i>-dicarbonyl Compounds by Michael Addition Reactions of Ester Enolates to "i>B</i>-benzylidene and "i>A</i>-alkylidene"-dicarbonyl Compounds. European Journal of Organic Chemistry, 2012, 2012, 3459-3475.	1.2	11
158	Direct Amination of Nitro(pentafluorosulfanyl)benzenes through Vicarious Nucleophilic Substitution of Hydrogen. European Journal of Organic Chemistry, 2012, 2012, 02123-2126.	1.2	29
159	A General Approach to Optically Pure [5], [6], and [7]Heterohelicenes. Angewandte Chemie - International Edition, 2012, 51, 5857-5861.	7.2	70
160	Synthesis of Aldehyde-Linked Nucleotides and DNA and Their Bioconjugations with Lysine and Peptides through Reductive Amination. Chemistry - A European Journal, 2012, 18, 4080-4087.	1.7	75
161	Synthesis of Hydrazone-Modified Nucleotides and Their Polymerase Incorporation onto DNA for Redox Labeling. ChemPlusChem, 2012, 77, 652-662.	1.3	24
162	[6]Saddlequat: a [6]helquat captured on its racemization pathway. Chemical Science, 2011, 2, 2314-2320.	3.7	37

#	ARTICLE	IF	CITATIONS
163	Lipophosphonoxins: New Modular Molecular Structures with Significant Antibacterial Properties. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 7884-7898.	2.9	19
164	The synthesis of the 8-C-substituted 2,6-diamino-9-[2-(phosphonomethoxy)ethyl]purine (PMEDAP) derivatives by diverse cross-coupling reactions. <i>Canadian Journal of Chemistry</i> , 2011, 89, 488-498.	0.6	9
165	Sugar-modified derivatives of cytostatic 6-(het)aryl-7-deazapurine nucleosides: 2â€²-C-methylribonucleosides, arabinonucleosides and 2â€²-deoxy-2â€²-fluoroarabinonucleosides. <i>Collection of Czechoslovak Chemical Communications</i> , 2011, 76, 957-988.	1.0	14
166	Synthesis and Significant Cytostatic Activity of 7-Hetaryl-7-deazaadenosines. <i>Journal of Medicinal Chemistry</i> , 2011, 54, 5498-5507.	2.9	101
167	Synthesis of Acetylene Linked Double-Nucleobase Nucleos(t)ide Building Blocks and Polymerase Construction of DNA Containing Cytosines in the Major Groove. <i>Journal of Organic Chemistry</i> , 2011, 76, 3457-3462.	1.7	34
168	4â€²-Alkoxy oligodeoxynucleotides: a novel class of RNA mimics. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 8261.	1.5	27
169	Synthesis of oligoribonucleotides with phosphonate-modified linkages. <i>Organic and Biomolecular Chemistry</i> , 2011, 9, 6120.	1.5	20
170	Regioselective Direct Câ€²H Arylations of Protected Uracils. Synthesis of 5- and 6-Aryluracil Bases. <i>Journal of Organic Chemistry</i> , 2011, 76, 5309-5319.	1.7	58
171	Phosphoramidate pronucleotides of cytostatic 6-aryl-7-deazapurine ribonucleosides. <i>Bioorganic and Medicinal Chemistry</i> , 2011, 19, 229-242.	1.4	25
172	The stability and reactivity of activated acryloylcarbamates as reagents for the synthesis of <i>N</i> -substituted thymine and uracil â€“ an NMR and DFT study. <i>Journal of Physical Organic Chemistry</i> , 2011, 24, 423-430.	0.9	2
173	The observed and calculated ¹ H and ¹³ C chemical shifts of tertiary amines and their <i>N</i> -oxides. <i>Magnetic Resonance in Chemistry</i> , 2011, 49, 320-327.	1.1	14
174	The Synthesis and Conformation of Dihydropiperidinyl Derivates of Nucleobases as Novel Iminosugar Nucleoside Analogs. <i>European Journal of Organic Chemistry</i> , 2011, 2011, 2172-2187.	1.2	8
175	Transient and Switchable (Triethylsilyl)ethynyl Protection of DNA against Cleavage by Restriction Endonucleases. <i>Angewandte Chemie - International Edition</i> , 2011, 50, 8727-8730.	7.2	53
176	Alkylsulfanylphenyl Derivatives of Cytosine and 7â€²-Deazaadenine Nucleosides, Nucleotides and Nucleoside Triphosphates: Synthesis, Polymerase Incorporation to DNA and Electrochemical Study. <i>Chemistry - A European Journal</i> , 2011, 17, 5833-5841.	1.7	40
177	Antraquinone as a Redox Label for DNA: Synthesis, Enzymatic Incorporation, and Electrochemistry of Antraquinoneâ€²Modified Nucleosides, Nucleotides, and DNA. <i>Chemistry - A European Journal</i> , 2011, 17, 14063-14073.	1.7	59
178	Cleavage of Functionalized DNA Containing 5â€²-Modified Pyrimidines by Type II Restriction Endonucleases. <i>ChemBioChem</i> , 2011, 12, 431-438.	1.3	52
179	<i>Cyclo</i> Salâ€²phosphate Pronucleotides of Cytostatic 6â€²(Het)arylâ€²7â€²deazapurine Ribonucleosides: Synthesis, Cytostatic Activity, and Inhibition of Adenosine Kinases. <i>ChemMedChem</i> , 2010, 5, 1386-1396.	1.6	29
180	Direct Polymerase Synthesis of Reactive Aldehydeâ€²Functionalized DNA and Its Conjugation and Staining with Hydrazines. <i>Angewandte Chemie - International Edition</i> , 2010, 49, 1064-1066.	7.2	106

#	ARTICLE	IF	CITATIONS
181	Observed and calculated ¹ H and ¹³ C chemical shifts induced by the <i>in situ</i> oxidation of model sulfides to sulfoxides and sulfones. <i>Magnetic Resonance in Chemistry</i> , 2010, 48, 718-726.	1.1	12
182	Structure and antitumour activity of fucoïdan isolated from sporophyll of Korean brown seaweed <i>Undaria pinnatifida</i> . <i>Carbohydrate Polymers</i> , 2010, 81, 41-48.	5.1	376
183	Synthesis of (purin-6-yl)methylphosphonate bases and nucleosides. <i>Tetrahedron Letters</i> , 2010, 51, 2464-2466.	0.7	14
184	Structural diversity of nucleoside phosphonic acids as a key factor in the discovery of potent inhibitors of rat T-cell lymphoma thymidine phosphorylase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2010, 20, 862-865.	1.0	17
185	Synthesis and biological evaluation of acyclic nucleotide analogues with a furo[2,3- <i>d</i>]pyrimidin-2(3 <i>H</i>)-one base. <i>Canadian Journal of Chemistry</i> , 2010, 88, 628-638.	0.6	14
186	Synthesis of Ester Prodrugs of 9-(<i>S</i>)-[3-Hydroxy-2-(phosphonomethoxy)propyl]-2,6-diaminopurine (HPMPDAP) as Anti-Poxvirus Agents. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 6825-6837.	2.9	30
187	Microwave-Assisted Alkylation of [CB ₁₁ H ₁₂] ⁺ and Related Anions. <i>Inorganic Chemistry</i> , 2010, 49, 10247-10254.	1.9	31
188	Intramolecular Direct C-H Arylation Approach to Fused Purines. Synthesis of Purino[8,9- <i>f</i>]phenanthridines and 5,6-Dihydropurino[8,9- <i>a</i>]isoquinolines—Dedicated to the memory of Keith Fagnou.. <i>Journal of Organic Chemistry</i> , 2010, 75, 2302-2308.	1.7	63
189	Lithium Salts of [1,12-Dialkyl-CB ₁₁ Me ₁₀] ⁺ Anions. <i>Inorganic Chemistry</i> , 2010, 49, 10255-10263.	1.9	25
190	Preparation of Covalent Long-Chain Trialkylstannyl and Trialkylsilyl Salts and an Examination of their Adsorption on Gold. <i>Langmuir</i> , 2010, 26, 8483-8490.	1.6	23
191	6-(Het)aryl-7-Deazapurine Ribonucleosides as Novel Potent Cytostatic Agents. <i>Journal of Medicinal Chemistry</i> , 2010, 53, 460-470.	2.9	73
192	Synthesis of nucleoside and nucleotide conjugates of bile acids, and polymerase construction of bile acid-functionalized DNA. <i>Organic and Biomolecular Chemistry</i> , 2010, 8, 1194.	1.5	42
193	An Efficient and Highly Selective Synthesis of (Z)-Fluoroenol Phosphates from Hydroxy Difluorophosphonates. <i>Synthesis</i> , 2009, 2009, 957-962.	1.2	20
194	Synthesis of 2-Deoxyuridine and 2-Deoxycytidine Nucleosides Bearing Bipyridine and Terpyridine Ligands at Position 5. <i>Synthesis</i> , 2009, 2009, 105-112.	1.2	4
195	Cross-Coupling Reactions of Halopurines with Aryl- and Alkyltrifluoroborates; The Scope and Limitations in the Synthesis of Modified Purines. <i>Synthesis</i> , 2009, 2009, 1309-1317.	1.2	7
196	Base-Modified DNA Labeled by [Ru(bpy) ₃] ²⁺ and [Os(bpy) ₃] ²⁺ Complexes: Construction by Polymerase Incorporation of Modified Nucleoside Triphosphates, Electrochemical and Luminescent Properties, and Applications. <i>Chemistry - A European Journal</i> , 2009, 15, 1144-1154.	1.7	96
197	Helquats: A Facile, Modular, Scalable Route to Novel Helical Dications. <i>Chemistry - A European Journal</i> , 2009, 15, 1072-1076.	1.7	103
198	Tetrathiafulvalene-Labelled Nucleosides and Nucleoside Triphosphates: Synthesis, Electrochemistry and the Scope of Their Polymerase Incorporation into DNA. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3519-3525.	1.2	25

#	ARTICLE	IF	CITATIONS
199	Switching the Regioselectivity of Direct C-H Arylation of 1,3-Dimethyluracil. <i>European Journal of Organic Chemistry</i> , 2009, 2009, 3698-3701.	1.2	46
200	Pyrrolidine N-alkylphosphonates and related nucleotide analogues: synthesis and stereochemistry. <i>Tetrahedron</i> , 2009, 65, 3673-3681.	1.0	19
201	Synthesis of benzamide-C-ribonucleosides by Pd-catalyzed aminocarbonylations. <i>Tetrahedron</i> , 2009, 65, 4471-4483.	1.0	21
202	A convenient, high-yield synthesis of 1-substituted uracil and thymine derivatives. <i>Tetrahedron</i> , 2009, 65, 8513-8523.	1.0	15
203	Use of Pd-catalyzed Suzuki-Miyaura coupling reaction in the rapid synthesis of 5-aryl-6-(phosphonomethoxy)uracils and evaluation of their inhibitory effect towards human thymidine phosphorylase. <i>Tetrahedron</i> , 2009, 65, 8486-8492.	1.0	21
204	N,3,4-Trisubstituted pyrrolidines by electron transfer-induced oxidative cyclizations of N-allylic β -amino ester enolates. <i>Tetrahedron</i> , 2009, 65, 10917-10929.	1.0	22
205	Air-tolerant C-C bond formation via organometallic ruthenium catalysis: diverse catalytic pathways involving (C5Me5)Ru or (C5H5)Ru are robust to molecular oxygen. <i>Tetrahedron Letters</i> , 2009, 50, 4526-4528.	0.7	17
206	Synthesis of (purin-6-yl)acetates and their transformations to 6-(2-hydroxyethyl)- and 6-(carbamoylmethyl)purines. <i>Collection of Czechoslovak Chemical Communications</i> , 2009, 74, 1035-1059.	1.0	5
207	Synthesis and hybridization of oligonucleotides modified at AMP sites with adenine pyrrolidine phosphonate nucleotides. <i>Collection of Czechoslovak Chemical Communications</i> , 2009, 74, 935-955.	1.0	9
208	Direct C-H borylation and C-H arylation of pyrrolo[2,3-d]pyrimidines: synthesis of 6,8-disubstituted 7-deazapurines. <i>Organic and Biomolecular Chemistry</i> , 2009, 7, 866.	1.5	47
209	Bio- and air-tolerant carbon-carbon bond formations via organometallic ruthenium catalysis. <i>Collection of Czechoslovak Chemical Communications</i> , 2009, 74, 1023-1034.	1.0	23
210	A Modular Methodology for the Synthesis of 4- and 3-Substituted Benzene and Aniline C-Ribonucleosides. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 1689-1704.	1.2	20
211	Synthesis of 6-(4,5-dihydrofuran-2-yl)- and 6-(Tetrahydrofuran-2-yl)purine Bases and Nucleosides. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 2783-2788.	1.2	8
212	Cobalt-Induced Synthesis of 6-(Pyridin-2-yl)purines by Microwave-Enhanced [2+2+2] Cyclotrimerization. <i>European Journal of Organic Chemistry</i> , 2008, 2008, 3335-3343.	1.2	21
213	Aminophenyl- and Nitrophenyl-Labeled Nucleoside Triphosphates: Synthesis, Enzymatic Incorporation, and Electrochemical Detection. <i>Angewandte Chemie - International Edition</i> , 2008, 47, 2059-2062.	7.2	131
214	Synthesis, cytostatic, and antiviral activity of novel 6-[2-(dialkylamino)ethyl]-, 6-(2-alkoxyethyl)-, 6-[2-(alkylsulfanyl)ethyl]-, and 6-[2-(dialkylamino)vinyl]purine nucleosides. <i>Bioorganic and Medicinal Chemistry</i> , 2008, 16, 1400-1424.	1.4	16
215	Synthesis, cytostatic and anti-HCV activity of 6-(N-substituted aminomethyl)-, 6-(O-substituted) Tj ETQq1 1 0.784314 rgBT /Overlock 10 <i>Chemistry</i> , 2008, 16, 2329-2366.	1.4	21
216	Syntheses of N3-substituted thymine acyclic nucleoside phosphonates and a comparison of their inhibitory effect towards thymidine phosphorylase. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2008, 18, 1364-1367.	1.0	8

#	ARTICLE	IF	CITATIONS
217	Synthesis of diverse 6-(1,2-disubstituted ethyl)purine bases and nucleosides via 6-(oxiran-2-yl)purines. <i>Tetrahedron</i> , 2008, 64, 10355-10364.	1.0	9
218	Synthesis of 6,8,9-Tri- and 2,6,8,9-Tetrasubstituted Purines by a Combination of the Suzuki Cross-coupling, N-Arylation, and Direct C-H Arylation Reactions. <i>Journal of Organic Chemistry</i> , 2008, 73, 9048-9054.	1.7	69
219	Synthesis of substituted 6-cyclopropylpurine bases and nucleosides by cross-coupling reactions or cyclopropanations. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2377.	1.5	14
220	Synthesis and photophysical properties of 7-deaza-2'-deoxyadenosines bearing bipyridine ligands and their Ru(II)-complexes in position 7. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 2852.	1.5	40
221	Synthesis of 8-bromo-, 8-methyl- and 8-phenyl-dATP and their polymerase incorporation into DNA. <i>Organic and Biomolecular Chemistry</i> , 2008, 6, 3657.	1.5	43
222	Modular Synthesis of 5-Substituted Thiophen-2-yl C-2'-Deoxyribonucleosides. <i>Journal of Organic Chemistry</i> , 2008, 73, 3798-3806.	1.7	21
223	Modular Synthesis of 4-Aryl- and 4-Amino-Substituted Benzene C-2'-Deoxyribonucleosides. <i>Synthesis</i> , 2008, 2008, 1918-1932.	1.2	5
224	Synthesis of Highly Symmetrical Triptycene Tetra- and Hexacarboxylates. <i>Synthesis</i> , 2007, 2007, 1554-1558.	1.2	5
225	Syntheses of Pyrimidine Acyclic Nucleoside Phosphonates as Potent Inhibitors of Thymidine Phosphorylase (PD-ECGF) from SD-Lymphoma. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2007, 26, 1025-1028.	0.4	17
226	The first direct C-H arylation of purine nucleosides. <i>Chemical Communications</i> , 2007, , 4729.	2.2	59
227	Modular and Practical Synthesis of 6-Substituted Pyridin-3-yl C-Nucleosides. <i>Journal of Organic Chemistry</i> , 2007, 72, 6797-6805.	1.7	68
228	Synthesis of 2'-deoxyadenosine nucleosides bearing bipyridine-type ligands and their Ru-complexes in position 8 through cross-coupling reactions. <i>Organic and Biomolecular Chemistry</i> , 2007, 5, 2849.	1.5	48
229	Ester Prodrugs of Cyclic 1-(S)-[3-Hydroxy-2-(phosphonomethoxy)propyl]-5-azacytosine: Synthesis and Antiviral Activity. <i>Journal of Medicinal Chemistry</i> , 2007, 50, 5765-5772.	2.9	50
230	An Efficient Method for the Construction of Functionalized DNA Bearing Amino Acid Groups through Cross-Coupling Reactions of Nucleoside Triphosphates Followed by Primer Extension or PCR. <i>Chemistry - A European Journal</i> , 2007, 13, 6196-6203.	1.7	128
231	Ferrocenylethynyl Derivatives of Nucleoside Triphosphates: Synthesis, Incorporation, Electrochemistry, and Bioanalytical Applications. <i>Chemistry - A European Journal</i> , 2007, 13, 9527-9533.	1.7	117
232	Purines Bearing Phenanthroline or Bipyridine Ligands and Their Ru(II) Complexes in Position 8 as Model Compounds for Electrochemical DNA Labeling - Synthesis, Crystal Structure, Electrochemistry, Quantum Chemical Calculations, Cytostatic and Antiviral Activity. <i>European Journal of Inorganic Chemistry</i> , 2007, 2007, 1752-1769.	1.0	45
233	Synthesis of diastereomeric 3-hydroxy-4-pyrrolidinyl derivatives of nucleobases. <i>Tetrahedron</i> , 2007, 63, 1243-1253.	1.0	43
234	C-Functionalization of 9-deazapurines by cross-coupling reactions. <i>Tetrahedron</i> , 2007, 63, 1589-1601.	1.0	8

#	ARTICLE	IF	CITATIONS
235	Pd-catalyzed Suzuki-Miyaura coupling reactions in the synthesis of 5-aryl-1-[2-(phosphonomethoxy)ethyl]uracils as potential multisubstrate inhibitors of thymidine phosphorylase. <i>Tetrahedron Letters</i> , 2007, 48, 3065-3067.	0.7	24
236	Phosphonoxins: Rational design and discovery of a potent nucleotide anti-Giardia agent. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2007, 17, 2811-2816.	1.0	20
237	Bifunctional Acyclic Nucleoside Phosphonates. 1. Symmetrical 1,3-Bis[(phosphonomethoxy)propan-2-yl] Derivatives of Purines and Pyrimidines. <i>Collection of Czechoslovak Chemical Communications</i> , 2006, 71, 543-566.	1.0	14
238	Cross-coupling reactions of unprotected halopurine bases, nucleosides, nucleotides and nucleoside triphosphates with 4-boronophenylalanine in water. Synthesis of (purin-8-yl)- and (purin-6-yl)phenylalanines. <i>Organic and Biomolecular Chemistry</i> , 2006, 4, 2278-2284.	1.5	112
239	Tricyclic Purine Analogs Derived from 2-Amino-6-chloropurine and 2,6-Diaminopurine and Their Methylated Quaternary Salts. <i>Collection of Czechoslovak Chemical Communications</i> , 2006, 71, 77-90.	1.0	8
240	Synthesis of racemic and enantiomeric 3-pyrrolidinyl derivatives of nucleobases. <i>Tetrahedron</i> , 2006, 62, 5763-5774.	1.0	32
241	Synthesis of C-Aryldeoxyribosides by [2 + 2 + 2]-Cyclotrimerization Catalyzed by Rh, Ni, Co, and Ru Complexes. <i>Organic Letters</i> , 2006, 8, 2051-2054.	2.4	54
242	Syntheses of Base and Side-Chain Modified Pyrimidine 1-[2-(Phosphonomethoxy)propyl] Derivatives as Potent Inhibitors of Thymidine Phosphorylase (PD-ECCF) from SD-Lymphoma. <i>Collection of Czechoslovak Chemical Communications</i> , 2006, 71, 595-624.	1.0	21
243	Preparation of Highly Substituted 6-Arylpurine Ribonucleosides by Ni-Catalyzed Cyclotrimerization. Scope of the Reaction. <i>Journal of Organic Chemistry</i> , 2006, 71, 8978-8981.	1.7	24
244	New Modular and Efficient Approach to 6-Substituted Pyridin-2-yl C-Nucleosides. <i>Journal of Organic Chemistry</i> , 2006, 71, 7322-7328.	1.7	40
245	Proline Zwitterion Dynamics in Solution, Glass, and Crystalline State. <i>Journal of the American Chemical Society</i> , 2006, 128, 13451-13462.	6.6	82
246	Synthesis of 6-Amino-, 6-Methyl- and 6-Aryl-2-(hydroxymethyl)purine Bases and Nucleosides. <i>Collection of Czechoslovak Chemical Communications</i> , 2006, 71, 788-803.	1.0	12
247	Tricyclic etheno analogs of PMEG and PMEDAP: Synthesis and biological activity. <i>Bioorganic and Medicinal Chemistry</i> , 2006, 14, 8057-8065.	1.4	13
248	Direct C ⁸ -H Arylation of Purines: Development of Methodology and Its Use in Regioselective Synthesis of 2,6,8-Trisubstituted Purines. <i>Organic Letters</i> , 2006, 8, 5389-5392.	2.4	124
249	Effective Manipulation of the Electronic Effects and Its Influence on the Emission of 5-Substituted Tris(8-quinolinolate) Aluminum(III) Complexes. <i>Chemistry - A European Journal</i> , 2006, 12, 4523-4535.	1.7	162
250	Synthesis of Purines Bearing Functionalized C-Substituents by the Conjugate Addition of Nucleophiles to 6-Vinylpurines and 6-Ethynylpurines. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 5083-5098.	1.2	18
251	Cytostatic and Antiviral 6-Arylpurine Ribonucleosides VIII. Synthesis and Evaluation of 6-Substituted Purine 3'-Deoxyribonucleosides. <i>Collection of Czechoslovak Chemical Communications</i> , 2006, 71, 1484-1496.	1.0	12
252	Versatile Synthesis of Triptycene Di- and Tetracarboxylic Acids. <i>Synthesis</i> , 2006, 2006, 2039-2042.	1.2	1

#	ARTICLE	IF	CITATIONS
253	Synthesis and Cytostatic Activity of Novel 6-(Difluoromethyl)purine Bases and Nucleosides. <i>Synthesis</i> , 2006, 2006, 1848-1852.	1.2	3
254	Aqueous-Phase Suzuki-Miyaura Cross-Coupling Reactions of Free Halopurine Bases. <i>Synthesis</i> , 2006, 2006, 3515-3526.	1.2	6
255	Simple Transformation of Thymine 1-[3-Hydroxy-2-(phosphonomethoxy)propyl] Derivatives to Their 1-[3-Fluoro-2-(phosphonomethoxy)propyl] Counterparts. <i>Collection of Czechoslovak Chemical Communications</i> , 2005, 70, 1465-1481.	1.0	17
256	Synthesis of 2-Substituted 6-(Hydroxymethyl)purine Bases and Nucleosides. <i>Collection of Czechoslovak Chemical Communications</i> , 2005, 70, 1669-1695.	1.0	27
257	Highly Methylated Purines and Purinium Salts as Analogues of Heteromines. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 3026-3030.	1.2	24
258	A New Modular and Practical Methodology for the Synthesis of 4- or 3-Substituted Phenyl C-Nucleosides. <i>European Journal of Organic Chemistry</i> , 2005, 2005, 4525-4528.	1.2	33
259	Regioselectivity in Cross-Coupling Reactions of 2,6,8-Trichloro-9-(tetrahydropyran-2-yl)purine: Synthesis of 2,6,8-Trisubstituted Purine Bases.. <i>ChemInform</i> , 2005, 36, no.	0.1	0
260	The first synthesis and cytostatic activity of novel 6-(fluoromethyl)purine bases and nucleosides. <i>Organic and Biomolecular Chemistry</i> , 2005, 3, 3001.	1.5	32
261	SYNTHESIS OF RACEMIC AND ENANTIOMERIC 3-PYRROLIDINYL DERIVATIVES OF PURINE AND PYRIMIDINE NUCLEOBASES. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2005, 24, 805-808.	0.4	8
262	Synthesis of Enantiomerically Pure (Purin-6-yl)phenylalanines and Their Nucleosides, a Novel Type of Purine-Amino Acid Conjugates. <i>Journal of Organic Chemistry</i> , 2005, 70, 8001-8008.	1.7	47
263	Cytostatic 6-Arylpurine Nucleosides. 6- ϵ SAR in Anti-HCV and Cytostatic Activity of Extended Series of 6-Hetarylpurine Ribonucleosides. <i>Journal of Medicinal Chemistry</i> , 2005, 48, 5869-5873.	2.9	137
264	Regioselectivity in Cross-Coupling Reactions of 2,6,8-Trichloro-9-(tetrahydropyran-2-yl)purine: Synthesis of 2,6,8-Trisubstituted Purine Bases. <i>Synthesis</i> , 2004, 2004, 2869-2876.	1.2	36
265	Materials chemistry approach to anion-sensor design. <i>Tetrahedron</i> , 2004, 60, 11163-11168.	1.0	44
266	Strategies toward improving the performance of fluorescence-based sensors for inorganic anions. <i>Chemical Communications</i> , 2004, , 1282-1283.	2.2	43
267	A Facile and Efficient Synthesis of (Purin-6-yl)alanines. <i>Journal of Organic Chemistry</i> , 2004, 69, 7985-7988.	1.7	25
268	Facile and Efficient Synthesis of 6-(Hydroxymethyl)purines. <i>Organic Letters</i> , 2004, 6, 3225-3228.	2.4	42
269	Red \rightarrow Green \rightarrow Blue Emission from Tris(5-aryl-8-quinolinolate)Al(III) Complexes. <i>Journal of Organic Chemistry</i> , 2004, 69, 1723-1725.	1.7	160
270	Emission Color Tuning in AlQ3 Complexes with Extended Conjugated Chromophores. <i>Organic Letters</i> , 2003, 5, 2769-2772.	2.4	153

#	ARTICLE	IF	CITATIONS
271	Sterically Crowded Heterocycles. XIII. An Insight Into the Absolute Stereochemistry of Atropisomeric (Z)-3-(Imidazo[1,2-a]pyridin-3-yl)prop-2-en-1-ones. Collection of Czechoslovak Chemical Communications, 2000, 65, 1643-1652.	1.0	0
272	Sterically Crowded Heterocycles. XII. Atropisomerism of (1-Aryl-3,5-diphenyl-1H-pyrrol-2-yl)(phenyl)methanones. Collection of Czechoslovak Chemical Communications, 2000, 65, 651-666.	1.0	3
273	Sterically Crowded Heterocycles. X. A New Mechanistic Approach to the Ferricyanide Oxidation of 4,6'-Disubstituted 1-(Pyridin-2'-yl)-2,6-diphenylpyridinium Salts. Collection of Czechoslovak Chemical Communications, 1999, 64, 1274-1294.	1.0	5
274	Sterically Crowded Heterocycles. XI. A Semiempirical Prediction of Enantiomerization Barriers for Substituted (Z)-3-(Imidazo[1,2-a]pyridin-3-yl)-1-phenylprop-2-en-1-ones. Collection of Czechoslovak Chemical Communications, 1999, 64, 1761-1769.	1.0	5