

Jan Balzarini

List of Publications by Year in descending order

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284
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8,564
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44069

48
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69250

77
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288
all docs

288
docs citations

288
times ranked

8209
citing authors

#	ARTICLE	IF	CITATIONS
1	A novel selective broad-spectrum anti-DNA virus agent. <i>Nature</i> , 1986, 323, 464-467.	27.8	782
2	Targeting the glycans of glycoproteins: a novel paradigm for antiviral therapy. <i>Nature Reviews Microbiology</i> , 2007, 5, 583-597.	28.6	264
3	The ProTide Prodrug Technology: From the Concept to the Clinic. <i>Journal of Medicinal Chemistry</i> , 2018, 61, 2211-2226.	6.4	203
4	Synthesis of Imidazo[1,2-a]pyridines as Antiviral Agents. <i>Journal of Medicinal Chemistry</i> , 1998, 41, 5108-5112.	6.4	186
5	Microbicide drug candidates to prevent HIV infection. <i>Lancet, The</i> , 2007, 369, 787-797.	13.7	180
6	Mannose-Specific Plant Lectins from the Amaryllidaceae Family Qualify as Efficient Microbicides for Prevention of Human Immunodeficiency Virus Infection. <i>Antimicrobial Agents and Chemotherapy</i> , 2004, 48, 3858-3870.	3.2	147
7	Synthesis and anti-HIV studies of 2-adamantyl-substituted thiazolidin-4-ones. <i>European Journal of Medicinal Chemistry</i> , 2007, 42, 993-1003.	5.5	140
8	Acyclovir Is Activated into a HIV-1 Reverse Transcriptase Inhibitor in Herpesvirus-Infected Human Tissues. <i>Cell Host and Microbe</i> , 2008, 4, 260-270.	11.0	119
9	Conformational and Quantitative Structure-Activity Relationship Study of Cytotoxic 2-Arylidenebenzocycloalkanones. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 1358-1366.	6.4	110
10	Carbohydrate-binding Agents Cause Deletions of Highly Conserved Glycosylation Sites in HIV GP120. <i>Journal of Biological Chemistry</i> , 2005, 280, 41005-41014.	3.4	108
11	Microvirin, a Novel α -(1,2)-Mannose-specific Lectin Isolated from <i>Microcystis aeruginosa</i> , Has Anti-HIV-1 Activity Comparable with That of Cyanovirin-N but a Much Higher Safety Profile. <i>Journal of Biological Chemistry</i> , 2010, 285, 24845-24854.	3.4	108
12	Comparative inhibitory effects of suramin and other selected compounds on the infectivity and replication of human T-cell lymphotropic virus (HTLV-III)/lymphadenopathy-associated virus (LAV). <i>International Journal of Cancer</i> , 1986, 37, 451-457.	5.1	106
13	Pradimicin A, a Carbohydrate-Binding Nonpeptidic Lead Compound for Treatment of Infections with Viruses with Highly Glycosylated Envelopes, Such as Human Immunodeficiency Virus. <i>Journal of Virology</i> , 2007, 81, 362-373.	3.4	99
14	Crystal Structures of HIV-1 Reverse Transcriptase in Complex with Carboxanilide Derivatives. <i>Biochemistry</i> , 1998, 37, 14394-14403.	2.5	97
15	Pyridine N-oxide derivatives: unusual anti-HIV compounds with multiple mechanisms of antiviral action. <i>Journal of Antimicrobial Chemotherapy</i> , 2005, 55, 135-138.	3.0	95
16	Profile of Resistance of Human Immunodeficiency Virus to Mannose-Specific Plant Lectins. <i>Journal of Virology</i> , 2004, 78, 10617-10627.	3.4	94
17	Targeting the glycans of gp120: a novel approach aimed at the Achilles heel of HIV. <i>Lancet Infectious Diseases, The</i> , 2005, 5, 726-731.	9.1	94
18	Carbohydrate-Binding Agents: A Potential Future Cornerstone for the Chemotherapy of Enveloped Viruses?. <i>Antiviral Chemistry and Chemotherapy</i> , 2007, 18, 1-11.	0.6	94

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19	Mutational Pathways, Resistance Profile, and Side Effects of Cyanovirin Relative to Human Immunodeficiency Virus Type 1 Strains with N-Glycan Deletions in Their gp120 Envelopes. <i>Journal of Virology</i> , 2006, 80, 8411-8421.	3.4	93
20	Anti-Hiv-1 Activity of 2',3'-Dideoxynucleoside Analogues : Structure-Activity Relationship. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 1989, 8, 659-671.	1.1	92
21	Role of MRP4 and MRP5 in biology and chemotherapy. <i>AAPS PharmSci</i> , 2002, 4, 22-30.	1.3	90
22	Bicyclic pyrimidine nucleoside analogues (BCNAs) as highly selective and potent inhibitors of varicella-zoster virus replication. <i>Journal of Antimicrobial Chemotherapy</i> , 2002, 50, 5-9.	3.0	88
23	Synthesis and anti-HIV studies of 2- and 3-adamantyl-substituted thiazolidin-4-ones. <i>European Journal of Medicinal Chemistry</i> , 2009, 44, 303-311.	5.5	83
24	5 α -Nor Carbocyclic 5 α -Deoxy-5 α -(Isobutylthio)Adenosine and a 2 α ,3 α -Dideoxy-2 α ,3 α -Didehydro Derivative. <i>Antiviral Chemistry and Chemotherapy</i> , 2001, 12, 119-124.	0.6	82
25	Carbohydrate-Binding Agents Efficiently Prevent Dendritic Cell-Specific Intercellular Adhesion Molecule-3-Grabbing Nonintegrin (DC-SIGN)-Directed HIV-1 Transmission to T Lymphocytes. <i>Molecular Pharmacology</i> , 2007, 71, 3-11.	2.3	80
26	Lectin-Like Molecules of <i>Lactobacillus rhamnosus</i> GG Inhibit Pathogenic <i>Escherichia coli</i> and <i>Salmonella</i> Biofilm Formation. <i>PLoS ONE</i> , 2016, 11, e0161337.	2.5	79
27	Fused heterocycles bearing bridgehead nitrogen as potent HIV-1 NNRTIs. Part 3: Optimization of [1,2,4]triazolo[1,5-a]pyrimidine core via structure-based and physicochemical property-driven approaches. <i>European Journal of Medicinal Chemistry</i> , 2015, 92, 754-765.	5.5	76
28	Human Immunodeficiency Virus Type 1 Reverse Transcriptase Dimer Destabilization by 1-{Spiro[4 α -amino-2 α ,2 α -dioxo-1 α ,2 α -oxathiole-5 α ,3 α -[2 α ,5 α -bis-O-(tert-butyl dimethylsilyl)] α -d-ribofuranosyl]}}-3-ethylthymine. <i>Biochemistry</i> , 2000, 39, 1427-1433.	2.5	75
29	Synthesis, Characterization and in Vitro Study of the Cytostatic and Antiviral Activity of New Polymeric Silver(I) Complexes with Ribbon Structures Derived from the Conjugated Heterocyclic Thioamide 2-Mercapto-3,4,5,6-tetra- hydroypyrimidine. <i>European Journal of Inorganic Chemistry</i> , 2004, 2004, 1420-1426.	2.0	71
30	Pyridine N-oxide derivatives are inhibitory to the human SARS and feline infectious peritonitis coronavirus in cell culture. <i>Journal of Antimicrobial Chemotherapy</i> , 2006, 57, 472-481.	3.0	69
31	Safety concerns for the potential use of cyanovirin-N as a microbicidal anti-HIV agent. <i>International Journal of Biochemistry and Cell Biology</i> , 2008, 40, 2802-2814.	2.8	67
32	Photosensitizers Mediated Photodynamic Inactivation Against Virus Particles. <i>Mini-Reviews in Medicinal Chemistry</i> , 2015, 15, 503-521.	2.4	67
33	Inhibition of replication of HIV in primary monocyte/macrophages by different antiviral drugs and comparative efficacy in lymphocytes. <i>Journal of Leukocyte Biology</i> , 1997, 62, 138-143.	3.3	66
34	7-Deazaxanthine, a novel prototype inhibitor of thymidine phosphorylase. <i>FEBS Letters</i> , 1998, 438, 91-95.	2.8	66
35	Lipophilic prodrugs of nucleoside triphosphates as biochemical probes and potential antivirals. <i>Nature Communications</i> , 2015, 6, 8716.	12.8	65
36	Efficacy of (S)-1-(3-hydroxy-2-phosphonylmethoxypropyl)cytosine and 9-(1,3-dihydroxy-2-propoxymethyl)guanine for the treatment of murine cytomegalovirus infection in severe combined immunodeficiency mice. <i>Journal of Medical Virology</i> , 1992, 37, 67-71.	5.0	62

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37	Marked Depletion of Glycosylation Sites in HIV-1 gp120 under Selection Pressure by the Mannose-Specific Plant Lectins of <i>Hippeastrum Hybrid</i> and <i>Galanthus nivalis</i> . <i>Molecular Pharmacology</i> , 2005, 67, 1556-1565.	2.3	62
38	Design and Synthesis of Lipophilic Phosphoramidate d4T-MP Prodrugs Expressing High Potency Against HIV in Cell Culture: Structural Determinants for in Vitro Activity and QSAR. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 4122-4128.	6.4	61
39	Isonicotinic acid hydrazide derivatives: synthesis, antimicrobial activity, and QSAR studies. <i>Medicinal Chemistry Research</i> , 2012, 21, 1451-1470.	2.4	58
40	Membrane-Permeable Triphosphate Prodrugs of Nucleoside Analogues. <i>Angewandte Chemie - International Edition</i> , 2016, 55, 5255-5258.	13.8	57
41	Conversion of 2',3'-dideoxyadenosine (ddA) and 2',3'-dideoxy-2',3'-dideoxyadenosine (d4A) to their corresponding aryloxyphosphoramidate derivatives markedly potentiates their activity against human immunodeficiency virus and hepatitis B virus. <i>FEBS Letters</i> , 1997, 410, 324-328.	2.8	55
42	Antiretroviral Activity of Semisynthetic Derivatives of Glycopeptide Antibiotics. <i>Journal of Medicinal Chemistry</i> , 2003, 46, 2755-2764.	6.4	54
43	Synthesis, antimycobacterial, antiviral, antimicrobial activities, and QSAR studies of nicotinic acid benzylidene hydrazide derivatives. <i>Medicinal Chemistry Research</i> , 2012, 21, 1557-1576.	2.4	54
44	Anti-retrovirus activity of 9-(2-phosphonylmethoxyethyl)adenine (pmea) in vivo increases when it is less frequently administered. <i>International Journal of Cancer</i> , 1990, 46, 337-340.	5.1	51
45	Synthesis of triterpenoid triazine derivatives from allobetulone and betulonic acid with biological activities. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 3292-3300.	3.0	51
46	Design, synthesis and antiproliferative activity of novel heterobivalent hybrids based on imidazo[2,1-b][1,3,4]thiadiazole and imidazo[2,1-b][1,3]thiazole scaffolds. <i>European Journal of Medicinal Chemistry</i> , 2015, 101, 205-217.	5.5	50
47	Inhibition of feline (FIPV) and human (SARS) coronavirus by semisynthetic derivatives of glycopeptide antibiotics. <i>Antiviral Research</i> , 2006, 72, 20-33.	4.1	49
48	Design, synthesis of new $\hat{2}$ -carboline derivatives and their selective anti-HIV-2 activity. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2015, 25, 1232-1235.	2.2	49
49	New Neplanocin Analogues. 7. Synthesis and Antiviral Activity of 2-Halo Derivatives of Neplanocin A1. <i>Journal of Medicinal Chemistry</i> , 1996, 39, 3847-3852.	6.4	48
50	Nucleotide Delivery from cycloSaligenyl-3'-azido-3'-deoxythymidine Monophosphates (cycloSal-AZTMP). <i>European Journal of Organic Chemistry</i> , 1998, 1998, 837-846.	2.4	48
51	Nucleoside Diphosphate Prodrugs: Nonsymmetric Di- <i>ro</i> -Nucleotides. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 6114-6130.	6.4	47
52	Pradimicin S, a Highly Soluble Nonpeptidic Small-Size Carbohydrate-Binding Antibiotic, Is an Anti-HIV Drug Lead for both Microbicidal and Systemic Use. <i>Antimicrobial Agents and Chemotherapy</i> , 2010, 54, 1425-1435.	3.2	46
53	3-(1,2,3-Triazol-4-yl)-2',3'-dideoxythymidine and 3-(1,2,3-Triazol-4-yl)-2',3'-dideoxyuridine. <i>Journal of Medicinal Chemistry</i> , 1989, 26, 1635-1642.	2.6	45
54	Design and synthesis of N1-aryl-benzimidazoles 2-substituted as novel HIV-1 non-nucleoside reverse transcriptase inhibitors. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1459-1467.	3.0	44

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55	Synthesis, antimycobacterial, antiviral, antimicrobial activities, and QSAR studies of isonicotinic acid-1-(substituted phenyl)-ethylidene/cycloheptylidene hydrazides. <i>Medicinal Chemistry Research</i> , 2012, 21, 1935-1952.	2.4	40
56	Discovery of 2-pyridone derivatives as potent HIV-1 NNRTIs using molecular hybridization based on crystallographic overlays. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 1863-1872.	3.0	40
57	Design, synthesis and biological evaluation of 3,5-disubstituted 2-amino thiophene derivatives as a novel class of antitumor agents. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 5097-5109.	3.0	40
58	Conformational States of HIV-1 Reverse Transcriptase for Nucleotide Incorporation vs Pyrophosphorolysisâ€”Binding of Foscarnet. <i>ACS Chemical Biology</i> , 2016, 11, 2158-2164.	3.4	38
59	Linear and branched alkyl-esters and amides of gallic acid and other (mono-, di- and tri-) hydroxy benzoyl derivatives as promising anti-HCV inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2015, 92, 656-671.	5.5	36
60	Photochemical studies and nanomolar photodynamic activities of phthalocyanines functionalized with 1,4,7-trioxanonyl moieties at their non-peripheral positions. <i>Journal of Inorganic Biochemistry</i> , 2016, 155, 76-81.	3.5	36
61	Lack of Susceptibility of Bicyclic Nucleoside Analogs, Highly Potent Inhibitors of Varicella-Zoster Virus, to the Catabolic Action of Thymidine Phosphorylase and Dihydropyrimidine Dehydrogenase. <i>Molecular Pharmacology</i> , 2002, 61, 1140-1145.	2.3	35
62	Kinetic analysis of novel multisubstrate analogue inhibitors of thymidine phosphorylase. <i>FEBS Letters</i> , 2000, 483, 181-185.	2.8	33
63	Efficacy of oral 9-(2-phosphonylmethoxyethyl)-2,6-diaminopurine (PMEDAP) in the treatment of retrovirus and cytomegalovirus infections in mice. <i>Journal of Medical Virology</i> , 1993, 39, 167-172.	5.0	32
64	Potential Multifunctional Inhibitors of HIV-1 Reverse Transcriptase. Novel [AZT]-[TSAO-T] and [d4T]-[TSAO-T] Heterodimers Modified in the Linker and in the Dideoxynucleoside Region. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 5188-5196.	6.4	32
65	NICTABA and UDA, two GlcNAc-binding lectins with unique antiviral activity profiles. <i>Journal of Antimicrobial Chemotherapy</i> , 2015, 70, 1674-1685.	3.0	32
66	Design, Synthesis and Evaluation of Antiproliferative Activity of New Benzimidazolehydrazones. <i>Molecules</i> , 2016, 21, 579.	3.8	32
67	Inhibitory effects of 9-(2-Phosphonylmethoxyethyl)adenine and 3-azido-2,3-dideoxythymidine on tumor development in mice inoculated intracerebrally with moloney murine sarcoma virus. <i>International Journal of Cancer</i> , 1990, 45, 486-489.	5.1	30
68	Molecular cloning of the lectin and a lectin-related protein from common Solomon's seal (<i>Polygonatum multiflorum</i>). <i>Plant Molecular Biology</i> , 1996, 31, 657-672.	3.9	30
69	Design, synthesis, antiviral and cytostatic activity of 1-(1H-1,2,3-triazol-1-yl)(polyhydroxy)alkylphosphonates as acyclic nucleotide analogues. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 3629-3641.	3.0	30
70	SYNTHESIS OF 1-(2-DEOXY-Î²-D- RIBOFURANOSYL)-2,4-DIFLUORO-5-SUBSTITUTED-BENZENE THYMIDINE MIMICS,*SOME RELATED Î±-ANOMERS, AND THEIR EVALUATION AS ANTIVIRAL AND ANTICANCER AGENTS. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 2001, 20, 11-40.	1.1	29
71	Engineering of a Single Conserved Amino Acid Residue of Herpes Simplex Virus Type 1 Thymidine Kinase Allows a Predominant Shift from Pyrimidine to Purine Nucleoside Phosphorylation. <i>Journal of Biological Chemistry</i> , 2006, 281, 19273-19279.	3.4	29
72	Discovery of novel diarylpyrimidines as potent HIV NNRTIs via a structure-guided core-refining approach. <i>European Journal of Medicinal Chemistry</i> , 2014, 80, 112-121.	5.5	29

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73	Novel 3,5-bis(arylidene)-4-oxo-1-piperidinyl dimers: Structure-activity relationships and potent antileukemic and antilymphoma cytotoxicity. <i>European Journal of Medicinal Chemistry</i> , 2014, 77, 315-322.	5.5	29
74	Synthesis and Characterization of 4,11-Diaminoanthra[2,3-b]furan-5,10-diones: Tumor Cell Apoptosis through tNOX-Modulated NAD ⁺ /NADH Ratio and SIRT1. <i>Journal of Medicinal Chemistry</i> , 2015, 58, 9522-9534.	6.4	29
75	Synthesis, antiplasmodial activity and mechanistic studies of pyrimidine-5-carbonitrile and quinoline hybrids. <i>European Journal of Medicinal Chemistry</i> , 2015, 101, 52-62.	5.5	29
76	Tryptophan dendrimers that inhibit HIV replication, prevent virus entry and bind to the HIV envelope glycoproteins gp120 and gp41. <i>European Journal of Medicinal Chemistry</i> , 2015, 106, 34-43.	5.5	29
77	High mannose-specific lectin Msl mediates key interactions of the vaginal <i>Lactobacillus plantarum</i> isolate CMPC5300. <i>Scientific Reports</i> , 2016, 6, 37339.	3.3	29
78	Title is missing!. <i>Helvetica Chimica Acta</i> , 2002, 85, 2961-2974.	1.6	28
79	Synthesis of thiocarbohydrazone and carbohydrazone derivatives as possible biologically active agents. <i>Medicinal Chemistry Research</i> , 2014, 23, 1046-1056.	2.4	28
80	Design and synthesis of a new series of modified CH-diarylpyrimidines as drug-resistant HIV non-nucleoside reverse transcriptase inhibitors. <i>European Journal of Medicinal Chemistry</i> , 2014, 82, 600-611.	5.5	28
81	Antiviral Activity of Synthetic Aminopyrrolic Carbohydrate Binding Agents: Targeting the Glycans of Viral gp120 to Inhibit HIV Entry. <i>Chemistry - A European Journal</i> , 2015, 21, 10089-10093.	3.3	28
82	S-Adenosyl-L-homocysteine Hydrolase Inhibitors as Anti-Viral Agents: 5-Deoxyaristeromycin. <i>Nucleosides & Nucleotides</i> , 1993, 12, 185-198.	0.5	27
83	Antiviral Activity of Cyclosaligenyl Prodrugs of Acyclovir, Carbovir and Abacavir. <i>Antiviral Chemistry and Chemotherapy</i> , 2001, 12, 301-306.	0.6	27
84	Pronounced in vitro and in vivo antiretroviral activity of 5-substituted 2,4-diamino-6-[2-(phosphonomethoxy)ethoxy] pyrimidines. <i>Journal of Antimicrobial Chemotherapy</i> , 2006, 59, 80-86.	3.0	27
85	ProTides of N-(3-(5-(2-deoxyuridine))prop-2-ynyl)octanamide as potential anti-tubercular and anti-viral agents. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 2816-2824.	3.0	27
86	Hairpin oligonucleotides forming G-quadruplexes: New aptamers with anti-HIV activity. <i>European Journal of Medicinal Chemistry</i> , 2015, 89, 51-58.	5.5	27
87	Novel Potential Agents for Human Cytomegalovirus Infection: Synthesis and Antiviral Activity Evaluation of Benzothiadiazine Dioxide Acyclonucleosides. <i>Journal of Medicinal Chemistry</i> , 1999, 42, 1145-1150.	6.4	26
88	New prodrugs of two pyrimidine acyclic nucleoside phosphonates: Synthesis and antiviral activity. <i>Bioorganic and Medicinal Chemistry</i> , 2017, 25, 4637-4648.	3.0	26
89	Deletion of the Highly Conserved N-Glycan at Asn260 of HIV-1 gp120 Affects Folding and Lysosomal Degradation of gp120, and Results in Loss of Viral Infectivity. <i>PLoS ONE</i> , 2014, 9, e101181.	2.5	26
90	Intravaginal and intrarectal microbicides to prevent HIV infection. <i>Cmaj</i> , 2005, 172, 461-464.	2.0	25

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91	Novel multi-targeting anthra[2,3-b]thiophene-5,10-diones with guanidine-containing side chains: Interaction with telomeric G-quadruplex, inhibition of telomerase and topoisomerase I and cytotoxic properties. <i>European Journal of Medicinal Chemistry</i> , 2014, 85, 605-614.	5.5	25
92	Pronounced anti-proliferative activity and tumor cell selectivity of 5-alkyl-2-amino-3-methylcarboxylate thiophenes. <i>European Journal of Medicinal Chemistry</i> , 2017, 132, 219-235.	5.5	25
93	Synthesis and biological evaluation of phosphonopyrimidine and phosphonopurine ribonucleosides.. <i>Chemical and Pharmaceutical Bulletin</i> , 1987, 35, 3227-3234.	1.3	24
94	Metabolic activation of nucleoside and nucleotide reverse transcriptase inhibitors in dendritic and Langerhans cells. <i>Aids</i> , 2002, 16, 2159-2163.	2.2	24
95	The Amino Acid Asn136 in HIV-1 Reverse Transcriptase (RT) Maintains Efficient Association of Both RT Subunits and Enables the Rational Design of Novel RT Inhibitors. <i>Molecular Pharmacology</i> , 2005, 68, 49-60.	2.3	24
96	Second-Generation cycloSal-d4TMP Pronucleotides Bearing Esterase-Cleavable Sites – The “Trapping” Concept. <i>European Journal of Organic Chemistry</i> , 2006, 2006, 197-206.	2.4	24
97	Antiproliferative activities of halogenated thieno[3,2-d]pyrimidines. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 2113-2122.	3.0	24
98	Synthesis and evaluation of new antitumor 3-aminomethyl-4,11-dihydroxynaphtho[2,3-f]indole-5,10-diones. <i>European Journal of Medicinal Chemistry</i> , 2014, 86, 797-805.	5.5	24
99	Potent antiviral activity of carbohydrate-specific algal and leguminous lectins from the Brazilian biodiversity. <i>MedChemComm</i> , 2019, 10, 390-398.	3.4	24
100	Ein einfacher Weg zu D-Apio- β -D-furanosyl- und 2-Desoxyapio- β -D-furanosylnucleosiden. <i>Liebigs Annalen</i> , 1995, 1995, 551-558.	0.8	23
101	New Synthesis and Antitumor Activity of CycloSal- Derivatives of 5-Fluoro-2-deoxyuridinemonophosphate. <i>Nucleosides & Nucleotides</i> , 1997, 16, 789-792.	0.5	23
102	An efficient microwave-assisted synthesis and biological properties of polysubstituted pyrimidinyl- and 1,3,5-triazinylphosphonic acids. <i>Tetrahedron</i> , 2012, 68, 865-871.	1.9	23
103	Synthesis, biophysical characterization and anti-HIV activity of d(TG3AG) Quadruplexes bearing hydrophobic tails at the 5'-end. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 960-966.	3.0	23
104	A novel family of diarylpyrimidines (DAPYs) featuring a diatomic linker: Design, synthesis and anti-HIV activities. <i>Bioorganic and Medicinal Chemistry</i> , 2015, 23, 6587-6593.	3.0	23
105	The role of cellular oxidoreductases in viral entry and virus infection-associated oxidative stress: potential therapeutic applications. <i>Expert Opinion on Therapeutic Targets</i> , 2016, 20, 123-143.	3.4	23
106	Mycoplasmas and cancer: focus on nucleoside metabolism. <i>EXCLI Journal</i> , 2014, 13, 300-22.	0.7	23
107	Anti-HIV Derivatives of 1-(2,3-Dideoxy-3-hydroxyamino- β -D-threo-pentofuranosyl)thymine. <i>Nucleosides & Nucleotides</i> , 1994, 13, 1871-1889.	0.5	21
108	Retinoic Acid Conjugates as Potential Antitumor Agents: Synthesis and Biological Activity of Conjugates with Ara-A, Ara-C, 3(2H)-Furanone, and Aniline Mustard Moieties. <i>Journal of Medicinal Chemistry</i> , 1997, 40, 3851-3857.	6.4	21

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109	Design, synthesis and preliminary SAR studies of novel N-arylmethyl substituted piperidine-linked aniline derivatives as potent HIV-1 NNRTIs. <i>Bioorganic and Medicinal Chemistry</i> , 2014, 22, 633-642.	3.0	21
110	Homo Dinucleoside- β -hydroxyphosphonate Diesters as Prodrugs of the Antiviral Nucleoside Analogues 2',3'-Dideoxythymidine and 3'-Azido-2',3'-dideoxythymidine. <i>Nucleosides, Nucleotides and Nucleic Acids</i> , 1995, 14, 759-762.	1.1	20
111	1,2,4-Triazole Derivatives Inhibiting the Human Immunodeficiency Virus Type 1 (HIV-1) in vitro. <i>Helvetica Chimica Acta</i> , 2002, 85, 1883.	1.6	20
112	The β (1,2)-mannosidase I inhibitor 1-deoxymannojirimycin potentiates the antiviral activity of carbohydrate-binding agents against wild-type and mutant HIV-1 strains containing glycan deletions in gp120. <i>FEBS Letters</i> , 2007, 581, 2060-2064.	2.8	20
113	Synthesis of 2- β -carbamoylmethyl- β -D-ribofuranosylpyridine with the aid of a Pd(0)-catalyzed reaction. <i>Journal of Heterocyclic Chemistry</i> , 1993, 30, 1245-1252.	2.6	19
114	Non-Nucleoside Inhibitors of Mitochondrial Thymidine Kinase (TK-2) Differentially Inhibit the Closely Related Herpes Simplex Virus Type 1 TK and <i>Drosophila melanogaster</i> Multifunctional Deoxynucleoside Kinase. <i>Molecular Pharmacology</i> , 2003, 63, 263-270.	2.3	19
115	PMPA and PMEA prodrugs for the treatment of HIV infections and human papillomavirus (HPV) associated neoplasia and cancer. <i>European Journal of Medicinal Chemistry</i> , 2014, 78, 259-268.	5.5	19
116	Prodrugs of β -Alkyl-Modified Nucleoside Triphosphates: Improved Inhibition of HIV Reverse Transcriptase. <i>Angewandte Chemie - International Edition</i> , 2020, 59, 22063-22071.	13.8	19
117	Synthesis and Biological Activity of the Mono- and Diamino Analogues of 2-Deoxyadenosine, Cordycepin, 9-(3-Deoxy- β -D-Threo-Pentofuranosyl)-Adenine (A Structural Component of Agrocin 84) and 9-(2-Deoxy- β -D-Threo-Pentofuranosyl)Adenine. <i>Nucleosides & Nucleotides</i> , 1989, 8, 1231-1257.	0.5	18
118	Anti-(herpes simplex virus) activity of 4-thio-2-deoxyuridines: a biochemical investigation for viral and cellular target enzymes. <i>Biochemical Journal</i> , 2000, 351, 319-326.	3.7	18
119	Comparative in vitro and in vivo cytotoxic activity of (E)-5-(2-bromovinyl)-2-deoxyuridine (BVDU) and its arabinosyl derivative, (E)-5-(2-bromovinyl)-1- β -D-arabinofuranosyluracil (BVaraU), against tumor cells expressing either the Varicella zoster or the Herpes simplex virus thymidine kinase. <i>Cancer Gene Therapy</i> , 2000, 7, 215-223.	4.6	18
120	Improved antiviral activity of the aryloxymethoxyalaninyl phosphoramidate (APA) prodrug of abacavir (ABC) is due to the formation of markedly increased carbovir 5-triphosphate metabolite levels. <i>FEBS Letters</i> , 2004, 573, 38-44.	2.8	18
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