Jan Balzarini

List of Publications by Year
in descending order

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284 papers	8,564 citations	43973 48 h-index	69108 77 g-index
288 all docs	288 docs citations	288 times ranked	8209 citing authors

#	Article	IF	Citations
1	Benzothiazole Derivatives as Multifunctional Antioxidant Agents for Skin Damage: Structureâ€“Activity Relationship of a Scaffold Bearing a Five-Membered Ring System. Antioxidants, 2022, 11, 407.	2.2	12
2	Î³â€Nonâ€Symmetrically Dimasked TriPPPro Prodrugs as Potential Antiviral Agents against HIV. ChemMedChem, 2021, 16, 499-512.	1.6	15
3	Skin Damagesâ€”Structure Activity Relationship of Benzimidazole Derivatives Bearing a 5-Membered Ring System. Molecules, 2020, 25, 4324.	1.7	13
4	Î³-Ketobenzyl-Modified Nucleoside Triphosphate Prodrugs as Potential Antivirals. Journal of Medicinal Chemistry, 2020, 63, 13745-13761.	2.9	10
5	Water-soluble fullerene-based nanostructures with promising antiviral and myogenic activity. Chemical Communications, 2020, 56, 10203-10206.	2.2	13
6	Prodrugs of Î³â€Alkylâ€Modified Nucleoside Triphosphates: Improved Inhibition of HIV Reverse Transcriptase. Angewandte Chemie - International Edition, 2020, 59, 22063-22071.	7.2	19
7	Design, synthesis and evaluation of benzothiazole derivatives as multifunctional agents. Bioorganic Chemistry, 2020, 101, 103960.	2.0	18
8	Design, synthesis and biological evaluation of 2-alkoxycarbonyl-3-anilinoindoles as a new class of potent inhibitors of tubulin polymerization. Bioorganic Chemistry, 2020, 97, 103665.	2.0	16
9	Synthesis and Biological Evaluation of New Antitubulin Agents Containing 2-(3â€²,4â€²,5â€²-trimethoxyanilino)-3,6-disubstituted-4,5,6,7-tetrahydrothieno[2,3-c]pyridine Scaffold. Molecules, 2020, 25, 1690.	1.7	11
10	Synthesis of Heterocyclic Triterpene Derivatives with Biological Activities via Click Reaction. Current Organic Chemistry, 2020, 23, 2969-2974.	0.9	2
11	Potent antiviral activity of carbohydrate-specific algal and leguminous lectins from the Brazilian biodiversity. MedChemComm, 2019, 10, 390-398.	3.5	24
12	Alpha-carboxynucleoside phosphonates: direct-acting inhibitors of viral DNA polymerases. Future Medicinal Chemistry, 2019, 11, 137-154.	1.1	6
13	Dolutegravir Monotherapy of Simian Immunodeficiency Virus-Infected Macaques Selects for Several Patterns of Resistance Mutations with Variable Virological Outcomes. Journal of Virology, 2019, 93, .	1.5	11
14	Novel Conjugated Unsaturated Ketones with Submicromolar Potencies Towards some Leukemic and Colon Cancer Cells. Medicinal Chemistry, 2019, 15, 430-438.	0.7	4
15	2-Alkoxycarbonyl-3-arylamino-5-substituted thiophenes as a novel class of antimicrotubule agents: Design, synthesis, cell growth and tubulin polymerization inhibition. European Journal of Medicinal Chemistry, 2018, 143, 683-698.	2.6	15
16	The ProTide Prodrug Technology: From the Concept to the Clinic. Journal of Medicinal Chemistry, 2018, 61, 2211-2226.	2.9	203
17	2-Amino-3-methylcarboxy-5-heptyl-thiophene (TJ191) is a selective anti-cancer small molecule that targets low TÎ²RIII-expressing malignant T-cell leukemia/lymphoma cells. Oncotarget, 2018, 9, 6259-6269.	0.8	1
18	Symmetrical Diamidates as a Class of Phosphate Prodrugs to Deliver the 5â€²â€Monophosphate Forms of Anticancer Nucleoside Analogues. ChemMedChem, 2018, 13, 2305-2316.	1.6	6

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19	Synthesis and Antiviral Activity of Water-Soluble Polycarboxylic Derivatives of [60]Fullerene Loaded with 3,4-Dichlorophenyl Units. Chemistry and Biodiversity, 2018, 15, e1800293.	1.0	7
20	Synthesis of Guanine Î±-Carboxy Nucleoside Phosphonate (G-Î±-CNP), a Direct Inhibitor of Multiple Viral DNA Polymerases. Journal of Organic Chemistry, 2018, 83, 10510-10517.	1.7	7
21	Engineering Lactobacillus rhamnosus GG and GR-1 to express HIV-inhibiting griffithsin. International Journal of Antimicrobial Agents, 2018, 52, 599-607.	1.1	18
22	Design, synthesis, in vitro antiproliferative activity and apoptosis-inducing studies of 1-(3â€²,4â€²,5â€²-trimethoxyphenyl)-3-(2â€²-alkoxycarbonylindolyl)-2-propen-1-one derivatives obtained by a molecular hybridisation approach. Journal of Enzyme Inhibition and Medicinal Chemistry, 2018, 33, 1225-1238.	2.5	16
23	6-Benzylidene-2-[4-(pyridin-3-ylcarboxy)benzylidene]cyclohexanones: A novel cluster of tumour-selective cytotoxins. Bioorganic and Medicinal Chemistry Letters, 2017, 27, 1611-1615.	1.0	3
24	Guanine Î±-carboxy nucleoside phosphonate (G-Î±-CNP) shows a different inhibitory kinetic profile against the DNA polymerases of human immunodeficiency virus (HIV) and herpes viruses. Biochemical Pharmacology, 2017, 136, 51-61.	2.0	9
25	A Multitarget Approach toward the Development of 8â€Substituted Purines for Photoprotection and Prevention of UVâ€Related Damage. ChemMedChem, 2017, 12, 760-769.	1.6	4
26	Pronounced anti-proliferative activity and tumor cell selectivity of 5-alkyl-2-amino-3-methylcarboxylate thiophenes. European Journal of Medicinal Chemistry, 2017, 132, 219-235.	2.6	25
27	Structure-activity relationship studies on a Trp dendrimer with dual activities against HIV and enterovirus A71. Modifications on the amino acid. Antiviral Research, 2017, 139, 32-40.	1.9	17
28	Facile functionalization at the C4 position of pyrimidine nucleosides via amide group activation with (benzotriazol-1-yloxy)tris(dimethylamino)phosphonium hexafluorophosphate (BOP) and biological evaluations of the products. Organic and Biomolecular Chemistry, 2017, 15, 1130-1139.	1.5	17
29	Virtual Screening of Acyclovir Derivatives as Potential Antiviral Agents: Design, Synthesis, and Biological Evaluation of New Acyclic Nucleoside ProTides. Journal of Medicinal Chemistry, 2017, 60, 7876-7896.	2.9	12
30	Surface Glycans: A Therapeutic Opportunity for Kinetoplastid Diseases. Trends in Parasitology, 2017, 33, 775-787.	1.5	3
31	New prodrugs of two pyrimidine acyclic nucleoside phosphonates: Synthesis and antiviral activity. Bioorganic and Medicinal Chemistry, 2017, 25, 4637-4648.	1.4	26
32	Design, Synthesis and Evaluation of Antiproliferative Activity of New Benzimidazolehydrazones. Molecules, 2016, 21, 579.	1.7	32
33	Lectin-Like Molecules of Lactobacillus rhamnosus GG Inhibit Pathogenic Escherichia coli and Salmonella Biofilm Formation. PLoS ONE, 2016, 11, e0161337.	1.1	79
34	Resistance to the nucleotide analogue cidofovir in HPV(+) cells: a multifactorial process involving UMP/CMP kinase 1. Oncotarget, 2016, 7, 10386-10401.	0.8	6
35	Membraneâ€permeable Triphosphate Prodrugs of Nucleoside Analogues. Angewandte Chemie - International Edition, 2016, 55, 5255-5258.	7.2	57
36	Conformational States of HIV-1 Reverse Transcriptase for Nucleotide Incorporation vs Pyrophosphorolysisâ€"Binding of Foscarnet. ACS Chemical Biology, 2016, 11, 2158-2164.	1.6	38

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37	Tumour-specific cytotoxicity and structureâ€“activity relationships of novel 1-[3-(2-methoxyethylthio)propionyl]-3,5-bis(benzylidene)-4-piperidones. Bioorganic and Medicinal Chemistry, 2016, 24, 2206-2214.	1.4	11
38	Identification of an indol-based derivative as potent and selective varicella zoster virus (VZV) inhibitor. European Journal of Medicinal Chemistry, 2016, 124, 773-781.	2.6	15
39	High mannose-specific lectin Msl mediates key interactions of the vaginal Lactobacillus plantarum isolate CMPG5300. Scientific Reports, 2016, 6, 37339.	1.6	29
40	ProTides of BVdU as potential anticancer agents upon efficient intracellular delivery of their activated metabolites. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 5618-5623.	1.0	11
41	Novel isoxazolidine analogues of homonucleosides and homonucleotides. Tetrahedron, 2016, 72, 8294-8308.	1.0	9
42	Niacin esters of chalcones with tumor-selective properties. Journal of Enzyme Inhibition and Medicinal Chemistry, 2016, 31, 1451-1456.	2.5	0
43	Screening Platform toward New Anti-HIV Aptamers Set on Molecular Docking and Fluorescence Quenching Techniques. Analytical Chemistry, 2016, 88, 2327-2334.	3.2	18
44	Exploring the role of the Î±-carboxyphosphonate moiety in the HIV-RT activity of Î±-carboxy nucleoside phosphonates. Organic and Biomolecular Chemistry, 2016, 14, 2454-2465.	1.5	17
45	Exploring the purine core of 3â€²-C-ethynyladenosine (EAdo) in search of novel nucleoside therapeutics. Bioorganic and Medicinal Chemistry Letters, 2016, 26, 1970-1972.	1.0	6
46	3,5-Bis(3-alkylaminomethyl-4-hydroxybenzylidene)-4-piperidones: A Novel Class of Potent Tumor-Selective Cytotoxins. Journal of Medicinal Chemistry, 2016, 59, 763-769.	2.9	16
47	Photochemical studies and nanomolar photodynamic activities of phthalocyanines functionalized with 1,4,7-trioxanonyl moieties at their non-peripheral positions. Journal of Inorganic Biochemistry, 2016, 155, 76-81.	1.5	36
48	The role of cellular oxidoreductases in viral entry and virus infection-associated oxidative stress: potential therapeutic applications. Expert Opinion on Therapeutic Targets, 2016, 20, 123-143.	1.5	23
49	The Cellular Thioredoxin-1/Thioredoxin Reductase-1 Driven Oxidoreduction Represents a Chemotherapeutic Target for HIV-1 Entry Inhibition. PLoS ONE, 2016, 11, e0147773.	1.1	12
50	Carbohydrate-Binding Non-Peptidic Pradimicins for the Treatment of Acute Sleeping Sickness in Murine Models. PLoS Pathogens, 2016, 12, e1005851.	2.1	16
51	Antiviral Activity of Synthetic Aminopyrrolic Carbohydrate Binding Agents: Targeting the Glycans of Viral gp120 to Inhibit HIV Entry. Chemistry - A European Journal, 2015, 21, 10089-10093.	1.7	28
52	Mycoplasma hyorhinisâ€encoded cytidine deaminase efficiently inactivates cytosineâ€based anticancer drugs. FEBS Open Bio, 2015, 5, 634-639.	1.0	17
53	Several N-Glycans on the HIV Envelope Glycoprotein gp120 Preferentially Locate Near Disulphide Bridges and Are Required for Efficient Infectivity and Virus Transmission. PLoS ONE, 2015, 10, e0130621.	1.1	18
54	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. Journal of Medicinal Chemistry, 2015, 58, 9522-9534.	2.9	29

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55	Anti-HIV-1 activity of a tripodal receptor that recognizes mannose oligomers. European Journal of Medicinal Chemistry, 2015, 106, 132-143.	2.6	10
56	Investigation of fatty acid conjugates of 3,5-bisarylmethylene-4-piperidone derivatives as antitumor agents and human topoisomerase-IIÎ± inhibitors. Bioorganic and Medicinal Chemistry, 2015, 23, 411-421.	1.4	7
57	Scaffold hopping: Exploration of acetanilide-containing uracil analogues as potential NNRTIs. Bioorganic and Medicinal Chemistry, 2015, 23, 1069-1081.	1.4	14
58	Design, synthesis and bioevaluation of novel 6-(4-Hydroxypiperidino)naphthalen-2-ol-based potential Selective Estrogen Receptor Modulators for breast cancer. European Journal of Medicinal Chemistry, 2015, 92, 103-114.	2.6	9
59	Design, synthesis of new Î²-carboline derivatives and their selective anti-HIV-2 activity. Bioorganic and Medicinal Chemistry Letters, 2015, 25, 1232-1235.	1.0	49
60	Linear and branched alkyl-esters and amides of gallic acid and other (mono-, di- and tri-) hydroxy benzoyl derivatives as promising anti-HCV inhibitors. European Journal of Medicinal Chemistry, 2015, 92, 656-671.	2.6	36
61	Synthesis and biological evaluation of phosphoramidate prodrugs of two analogues of 2-deoxy-d-ribose-1-phosphate directed to the discovery of two carbasugars as new potential anti-HIV leads. Bioorganic and Medicinal Chemistry, 2015, 23, 829-838.	1.4	9
62	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. European Journal of Medicinal Chemistry, 2015, 92, 754-765.	2.6	76
63	NICTABA and UDA, two GlcNAc-binding lectins with unique antiviral activity profiles. Journal of Antimicrobial Chemotherapy, 2015, 70, 1674-1685.	1.3	32
64	Synthesis, antiplasmodial activity and mechanistic studies of pyrimidine-5-carbonitrile and quinoline hybrids. European Journal of Medicinal Chemistry, 2015, 101, 52-62.	2.6	29
65	Nucleoside Diphosphate Prodrugs: Nonsymmetric DiPPro-Nucleotides. Journal of Medicinal Chemistry, 2015, 58, 6114-6130.	2.9	47
66	Antiproliferative activities of halogenated pyrrolo[3,2-d]pyrimidines. Bioorganic and Medicinal Chemistry, 2015, 23, 4354-4363.	1.4	14
67	A New and Versatile Synthesis of 1,3-Dioxan-5-yl-pyrimidine and Purine Nucleoside Analogues. Synlett, 2015, 26, 625-630.	1.0	0
68	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. European Journal of Medicinal Chemistry, 2015, 101, 205-217.	2.6	50
69	Exposure of Trypanosoma brucei to an N-acetylglucosamine-Binding Lectin Induces VSG Switching and Glycosylation Defects Resulting in Reduced Infectivity. PLoS Neglected Tropical Diseases, 2015, 9, e0003612.	1.3	11
70	Synthesis of Novel Nucleoside Analogues Built on a Bicyclo[4.1.0]heptane Scaffold. Journal of Organic Chemistry, 2015, 80, 9495-9505.	1.7	11
71	Lipophilic prodrugs of nucleoside triphosphates as biochemical probes and potential antivirals. Nature Communications, 2015, 6, 8716.	5.8	65
72	Tryptophan dendrimers that inhibit HIV replication, prevent virus entry and bind to the HIV envelope glycoproteins gp120 and gp41. European Journal of Medicinal Chemistry, 2015, 106, 34-43.	2.6	29

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73	Conservation of antiviral activity and improved selectivity in PMEO-DAPym upon pyrimidine to triazine scaffold hopping. Antiviral Research, 2015, 122, 64-68.	1.9	2
74	Curcumin-inspired cytotoxic 3,5-bis(arylmethylene)-1-(N-(ortho-substituted) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 707 Td (aryl)maleamo Medicinal Chemistry, 2015, 23, 6404-6417.	1.4	11
75	A novel family of diarylpyrimidines (DAPYs) featuring a diatomic linker: Design, synthesis and anti-HIV activities. Bioorganic and Medicinal Chemistry, 2015, 23, 6587-6593.	1.4	23
76	Structural modification of diarylpyrimidine derivatives as HIV-1 reverse transcriptase inhibitors. Medicinal Chemistry Research, 2015, 24, 220-225.	1.1	11
77	Norbornane-based nucleoside and nucleotide analogues locked in North conformation. Bioorganic and Medicinal Chemistry, 2015, 23, 184-191.	1.4	16
78	Hairpin oligonucleotides forming G-quadruplexes: New aptamers with anti-HIV activity. European Journal of Medicinal Chemistry, 2015, 89, 51-58.	2.6	27
79	Photosensitizers Mediated Photodynamic Inactivation Against Virus Particles. Mini-Reviews in Medicinal Chemistry, 2015, 15, 503-521.	1.1	67
80	Evaluation of the Toxicity of 5-Aryl-2-Aminoimidazole-Based Biofilm Inhibitors against Eukaryotic Cell Lines, Bone Cells and the Nematode Caenorhabditis elegans. Molecules, 2014, 19, 16707-16723.	1.7	9
81	The role of N-glycans of HIV-1 gp41 in virus infectivity and susceptibility to the suppressive effects of carbohydrate-binding agents. Retrovirology, 2014, 11, 107.	0.9	8
82	Synthesis of Novel Thymine-Î²-lactam Hybrids and Evaluation of Their Antitumor Activity. Synthesis, 2014, 46, 2436-2444.	1.2	9
83	Antiherpesvirus Activities of Two Novel 4â€²-Thiothymidine Derivatives, KAY-2-41 and KAH-39-149, Are Dependent on Viral and Cellular Thymidine Kinases. Antimicrobial Agents and Chemotherapy, 2014, 58, 4328-4340.	1.4	13
84	PMPA and PMEA prodrugs for the treatment of HIV infections and human papillomavirus (HPV) associated neoplasia and cancer. European Journal of Medicinal Chemistry, 2014, 78, 259-268.	2.6	19
85	Discovery of 2-pyridone derivatives as potent HIV-1 NNRTIs using molecular hybridization based on crystallographic overlays. Bioorganic and Medicinal Chemistry, 2014, 22, 1863-1872.	1.4	40
86	Design, synthesis, antiviral and cytotoxic evaluation of novel acyclic phosphonate nucleotide analogues with a 5,6-dihydro-1H-[1,2,3]triazolo[4,5-d]pyridazine-4,7-dione system. Monatshefte FÃ¼r Chemie, 2014, 145, 663-673.	0.9	13
87	Antiproliferative activities of halogenated thieno[3,2-d]pyrimidines. Bioorganic and Medicinal Chemistry, 2014, 22, 2113-2122.	1.4	24
88	ProTides of N-(3-(5-(2â€²-deoxyuridine))prop-2-ynyl)octanamide as potential anti-tubercular and anti-viral agents. Bioorganic and Medicinal Chemistry, 2014, 22, 2816-2824.	1.4	27
89	N4-Acyl derivatives as lipophilic prodrugs of cidofovir and its 5-azacytosine analogue, (S)-HPMP-5-azaC: Chemistry and antiviral activity. Bioorganic and Medicinal Chemistry, 2014, 22, 2896-2906.	1.4	11
90	Synthesis, biophysical characterization and anti-HIV activity of d(TG3AG) Quadruplexes bearing hydrophobic tails at the 5â€²-end. Bioorganic and Medicinal Chemistry, 2014, 22, 960-966.	1.4	23

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91	From norbornane-based nucleotide analogs locked in South conformation to novel inhibitors of feline herpes virus. Bioorganic and Medicinal Chemistry, 2014, 22, 2974-2983.	1.4	15
92	Synthesis of triterpenoid triazine derivatives from allobetulone and betulonic acid with biological activities. Bioorganic and Medicinal Chemistry, 2014, 22, 3292-3300.	1.4	51
93	Synthesis of thiocarbohydrazide and carbohydrazide derivatives as possible biologically active agents. Medicinal Chemistry Research, 2014, 23, 1046-1056.	1.1	28
94	Design and synthesis of N1-aryl-benzimidazoles 2-substituted as novel HIV-1 non-nucleoside reverse transcriptase inhibitors. Bioorganic and Medicinal Chemistry, 2014, 22, 1459-1467.	1.4	44
95	Design, synthesis and biological evaluation of 3,5-disubstituted 2-amino thiophene derivatives as a novel class of antitumor agents. Bioorganic and Medicinal Chemistry, 2014, 22, 5097-5109.	1.4	40
96	Design, synthesis and preliminary SAR studies of novel N-arylmethyl substituted piperidine-linked aniline derivatives as potent HIV-1 NNRTIs. Bioorganic and Medicinal Chemistry, 2014, 22, 633-642.	1.4	21
97	Synthesis and biological evaluation of new conformationally restricted S-DABO hybrids as non-nucleoside inhibitors of HIV-1 reverse transcriptase. MedChemComm, 2014, 5, 468.	3.5	6
98	Synthesis of 3â€²,4â€²-difluoro-3â€²-deoxyribonucleosides and its evaluation of the biological activities: Discovery of a novel type of anti-HCV agent 3â€²,4â€²-difluorocordycepin. Bioorganic and Medicinal Chemistry, 2014, 22, 6174-6182.	1.4	5
99	Synthesis of 5â€Aminoâ€3,3â€dimethylâ€7â€phenylâ€3Hâ€[1,2]oxathiolo[4,3â€b]pyridineâ€6â€carbonitrile 1,1â€Dioxides. Journal of Heterocyclic Chemistry, 2014, 51, 1452-1456.	1.4	4
100	Design and synthesis of a new series of cyclopropylamino-linking diarylpyrimidines as HIV non-nucleoside reverse transcriptase inhibitors. European Journal of Pharmaceutical Sciences, 2014, 62, 334-341.	1.9	8
101	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. European Journal of Medicinal Chemistry, 2014, 85, 605-614.	2.6	25
102	Discovery of a nanomolar inhibitor of lung adenocarcinoma in vitro. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 5107-5110.	1.0	6
103	All trans 1-(3-arylacryloyl)-3,5-bis(pyridin-4-ylmethylene)piperidin-4-ones as curcumin-inspired antineoplastics. European Journal of Medicinal Chemistry, 2014, 87, 461-470.	2.6	16
104	Arylazolyl(azinyl)thioacetanilides. Part 16: Structure-based bioisosterism design, synthesis and biological evaluation of novel pyrimidinylthioacetanilides as potent HIV-1 inhibitors. Bioorganic and Medicinal Chemistry, 2014, 22, 5290-5297.	1.4	11
105	Synthesis and evaluation of new antitumor 3-aminomethyl-4,11-dihydroxynaphtho[2,3-f]indole-5,10-diones. European Journal of Medicinal Chemistry, 2014, 86, 797-805.	2.6	24
106	Discovery of novel diarylpyrimidines as potent HIV NNRTIs via a structure-guided core-refining approach. European Journal of Medicinal Chemistry, 2014, 80, 112-121.	2.6	29
107	Novel 3,5-bis(arylidene)-4-oxo-1-piperidinyl dimers: Structureâ€“activity relationships and potent antileukemic and antilymphoma cytotoxicity. European Journal of Medicinal Chemistry, 2014, 77, 315-322.	2.6	29
108	Stereoselective facile synthesis of 2â€²-spiro pyrimidine pyranonucleosides via their key intermediate 2â€²-C-cyano analogues. Evaluation of their bioactivity. Carbohydrate Research, 2014, 383, 50-57.	1.1	12

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109	Synthesis, anti-HIV and cytostatic evaluation of 3â€²-deoxy-3â€²-fluorothymidine (FLT) pro-nucleotides. Bioorganic and Medicinal Chemistry Letters, 2014, 24, 2240-2243.	1.0	6
110	An emerging understanding of the Janus face of the human microbiome: enhancement versus impairment of cancer therapy. Journal of Antimicrobial Chemotherapy, 2014, 69, 2878-2880.	1.3	4
111	Discovery and SAR studies of a novel class of cytotoxic 1,4-disubstituted piperidines via Ugi reaction. European Journal of Medicinal Chemistry, 2014, 83, 174-189.	2.6	10
112	Microwave-assisted synthesis of C-8 aryl and heteroaryl inosines and determination of their inhibitory activities against Plasmodium falciparum purine nucleoside phosphorylase. European Journal of Medicinal Chemistry, 2014, 82, 459-465.	2.6	13
113	Design, synthesis, antiviral and cytostatic activity of Ï‰-(1H-1,2,3-triazol-1-yl)(polyhydroxy)alkylphosphonates as acyclic nucleotide analogues. Bioorganic and Medicinal Chemistry, 2014, 22, 3629-3641.	1.4	30
114	Design and synthesis of a new series of modified CH-diarylpyrimidines as drug-resistant HIV non-nucleoside reverse transcriptase inhibitors. European Journal of Medicinal Chemistry, 2014, 82, 600-611.	2.6	28
115	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. PLoS ONE, 2014, 9, e101181.	1.1	26
116	Mycoplasmas and cancer: focus on nucleoside metabolism. EXCLI Journal, 2014, 13, 300-22.	0.5	23
117	Methyl-2-arylidene hydrazinecarbodithioates: synthesis and biological activity. Chemical Papers, 2013, 67, 650-656.	1.0	10
118	Synthesis and biological evaluation of 2-(5-substituted-1-((diethylamino)methyl)-2-oxoindolin-3-ylidene)-N-substituted-hydrazinecarbothioamides. Medicinal Chemistry Research, 2013, 22, 2014-2022.	1.1	7
119	5â€²-Nor carbocyclic nucleosides: unusual nonnucleoside inhibitors of HIV-1 reverse transcriptase. MedChemComm, 2013, 4, 741.	3.5	10
120	Synthesis, spectroscopic characterization, in vitro cytotoxic and structure activity relationships of some mononuclear Ru(II) complexes. Journal of Coordination Chemistry, 2013, 66, 1031-1045.	0.8	10
121	Synthesis, Antiviral Evaluation, and Computational Studies of Cyclobutane and Cyclobutene <scp>L</scp>â€Nucleoside Analogues. European Journal of Organic Chemistry, 2013, 2013, 7761-7775.	1.2	7
122	Chemo-Enzymatic Synthesis and Biological Evaluation of 5,6-Disubstituted Benzimidazole Ribo- and 2â€²-Deoxyribonucleosides. Synthesis, 2013, 45, 272-280.	1.2	8
123	A Multi-targeted Drug Candidate with Dual Anti-HIV and Anti-HSV Activity. PLoS Pathogens, 2013, 9, e1003456.	2.1	16
124	Combination of Antiretroviral Drugs as Microbicides. Current HIV Research, 2012, 10, 53-60.	0.2	10
125	Introduction of a Fluorine Atom at C3 of 3-Deazauridine Shifts Its Antimetabolic Activity from Inhibition of CTP Synthetase to Inhibition of Orotidylate Decarboxylase, an Early Event in the de Novo Pyrimidine Nucleotide Biosynthesis Pathway*. Journal of Biological Chemistry, 2012, 287, 30444-30454.	1.6	7
126	Synthesis, spectroscopic characterization, antineoplastic, inÂvitro-cytotoxic, and antibacterial activities of mononuclear ruthenium(II) complexes. Journal of Coordination Chemistry, 2012, 65, 823-839.	0.8	12

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127	Isonicotinic acid hydrazide derivatives: synthesis, antimicrobial activity, and QSAR studies. Medicinal Chemistry Research, 2012, 21, 1451-1470.	1.1	58
128	Synthesis, antimycobacterial, antiviral, antimicrobial activities, and QSAR studies of isonicotinic acid-1-(substituted phenyl)-ethylidene/cycloheptylidene hydrazides. Medicinal Chemistry Research, 2012, 21, 1935-1952.	1.1	40
129	Synthesis, antimycobacterial, antiviral, antimicrobial activities, and QSAR studies of nicotinic acid benzylidene hydrazide derivatives. Medicinal Chemistry Research, 2012, 21, 1557-1576.	1.1	54
130	An efficient microwave-assisted synthesis and biological properties of polysubstituted pyrimidinyl- and 1,3,5-triazinylphosphonic acids. Tetrahedron, 2012, 68, 865-871.	1.0	23
131	The novel amidocarbamate derivatives of ketoprofen: synthesis and biological activity. Medicinal Chemistry Research, 2011, 20, 210-219.	1.1	9
132	Synthesis, cytostatic and anti-viral activity evaluation of the novel acyclic nucleoside analogues containing a sterically constrained (Z)-4-amino-2-butenyl moiety. Medicinal Chemistry Research, 2011, 20, 280-286.	1.1	3
133	Synthesis and cytostatic evaluation of some 2-(5-substituted-2-oxoindolin-3-ylidene)-N-substituted hydrazine carbothioamide. Medicinal Chemistry Research, 2011, 20, 1229-1234.	1.1	4
134	Synthesis and biological evaluation of some stilbene derivatives. Medicinal Chemistry Research, 2011, 20, 1349-1356.	1.1	4
135	Synthesis of the 5â€²â€Fluoroâ€2â€²Î²â€methyl Analogues of Neplanocin. European Journal of Organic Chemistry, 2011, 2011, 2685-2691.	1.2	10
136	Diastereoselective Synthesis of (Aryloxy)phosphoramidate Prodrugs. European Journal of Organic Chemistry, 2011, 2011, n/a-n/a.	1.2	6
137	Solid state properties of pure UC-781 and solid dispersions with polyvinylpyrrolidone (PVP K30). Journal of Pharmacy and Pharmacology, 2010, 53, 1109-1116.	1.2	14
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