

Irina D Konstantinova

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	The chemoenzymatic synthesis of clofarabine and related 2'-deoxyfluoroarabinosyl nucleosides: the electronic and stereochemical factors determining substrate recognition by <i>E. coli</i> nucleoside phosphorylases. <i>Beilstein Journal of Organic Chemistry</i> , 2014, 10, 1657-1669.	2.2	29
2	Recognition of Artificial Nucleobases by <i>E. coli</i> Purine Nucleoside Phosphorylase versus its Ser90Ala Mutant in the Synthesis of Base-Modified Nucleosides. <i>Chemistry - A European Journal</i> , 2015, 21, 13401-13419.	3.3	24
3	Isosteric ribavirin analogues: Synthesis and antiviral activities. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2018, 28, 11-14.	2.2	23
4	Novel 5-alkyl(aryl)-substituted ribavirine analogues: synthesis and antiviral evaluation. <i>Mendeleev Communications</i> , 2016, 26, 214-216.	1.6	16
5	New modified 2-aminobenzimidazole nucleosides: Synthesis and evaluation of their activity against herpes simplex virus type 1. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2017, 27, 2484-2487.	2.2	14
6	An alternative route to the arylvinyltriazole nucleosides. <i>Bioorganic and Medicinal Chemistry Letters</i> , 2016, 26, 3223-3225.	2.2	13
7	Enzymatic synthesis of novel purine nucleosides bearing a chiral benzoxazine fragment. <i>Chemical Biology and Drug Design</i> , 2019, 93, 605-616.	3.2	13
8	Chemoenzymatic arabinosylation of 2-aminopurines bearing the chiral fragment of 7,8-difluoro-3-methyl-3,4-dihydro-2H-[1,4]benzoxazines. <i>Mendeleev Communications</i> , 2016, 26, 6-8.	1.6	11
9	A New Strategy for the Synthesis of Nucleosides: One-Pot Enzymatic Transformation of D-Pentoses into Nucleosides. <i>The Open Conference Proceedings Journal</i> , 2010, 1, 98-102.	0.6	10
10	Chemo-Enzymatic Synthesis and Biological Evaluation of 5,6-Disubstituted Benzimidazole Ribo- and 2'-Deoxyribonucleosides. <i>Synthesis</i> , 2013, 45, 272-280.	2.3	8
11	Novel fleximer pyrazole-containing adenosine analogues: chemical, enzymatic and highly efficient biotechnological synthesis. <i>Organic and Biomolecular Chemistry</i> , 2021, 19, 7379-7389.	2.8	8
12	A Chemo-Enzymatic Synthesis of 2'-d-Arabinofuranosyl Purine Nucleosides. <i>Synthesis</i> , 2011, 2011, 1555-1560.	2.3	7
13	Chemoenzymatic Synthesis and Antiherpes Activity of 5-Substituted 4,6-Difluorobenzimidazoles Ribo- and 2'-Deoxyribonucleosides. <i>Synthesis</i> , 2016, 48, 394-406.	2.3	6
14	The Chemoenzymatic Synthesis of 2-Chloro- and 2-Fluorocordycepins. <i>Synthesis</i> , 2017, 49, 4853-4860.	2.3	6
15	Chemoenzymatic Synthesis of Modified 2'-Deoxy-2'-fluoro-2'-d-arabinofuranosyl Benzimidazoles and Evaluation of Their Activity Against Herpes Simplex Virus Type 1. <i>Synthesis</i> , 2017, 49, 1043-1052.	2.3	6
16	Thermophilic phosphoribosyltransferases from <i>Thermus thermophilus</i> HB27 in nucleotide synthesis. <i>Beilstein Journal of Organic Chemistry</i> , 2018, 14, 3098-3105.	2.2	4
17	The comparative analysis of the properties and structures of purine nucleoside phosphorylases from thermophilic bacterium <i>Thermus thermophilus</i> HB27. <i>Journal of Biomolecular Structure and Dynamics</i> , 2022, 40, 3626-3641.	3.5	4
18	Anion exchange resins in phosphate form as versatile carriers for the reactions catalyzed by nucleoside phosphorylases. <i>Beilstein Journal of Organic Chemistry</i> , 2020, 16, 2607-2622.	2.2	2

#	ARTICLE	IF	CITATIONS
19	Synthesis of New 5 ² -Norcarbocyclic Aza/Deaza Purine Fleximers - Noncompetitive Inhibitors of E.coli Purine Nucleoside Phosphorylase. <i>Frontiers in Chemistry</i> , 2022, 10, .	3.6	2