

# Mikhail V Makarov

## List of Publications by Citations

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39  
papers

411  
citations

11  
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18  
g-index

44  
ext. papers

552  
ext. citations

4.1  
avg, IF

3.56  
L-index

#	Paper	IF	Citations
39	Bacteria Boost Mammalian Host NAD Metabolism by Engaging the Deamidated Biosynthesis Pathway. <i>Cell Metabolism</i> , <b>2020</b> , 31, 564-579.e7	24.6	54
38	A reduced form of nicotinamide riboside defines a new path for NAD biosynthesis and acts as an orally bioavailable NAD precursor. <i>Molecular Metabolism</i> , <b>2019</b> , 30, 192-202	8.8	43
37	Design, cytotoxic and fluorescent properties of novel N-phosphorylalkyl substituted E,E-3,5-bis(arylidene)piperid-4-ones. <i>European Journal of Medicinal Chemistry</i> , <b>2009</b> , 44, 2135-44	6.8	40
36	Synthesis, characterization and structure-activity relationship of novel N-phosphorylated E,E-3,5-bis(thienylidene)piperid-4-ones. <i>European Journal of Medicinal Chemistry</i> , <b>2010</b> , 45, 992-1000	6.8	27
35	Structure-cytotoxicity relationship in a series of N-phosphorus substituted E,E-3,5-bis(3-pyridinylmethylene)- and E,E-3,5-bis(4-pyridinylmethylene)piperid-4-ones. <i>European Journal of Medicinal Chemistry</i> , <b>2010</b> , 45, 5926-34	6.8	23
34	Polymers based on ionic monomers with side phosphonate groups. <i>Polymer Science - Series B</i> , <b>2010</b> , 52, 316-326	0.8	20
33	Methylenebisphosphonates with dienone pharmacophore: synthesis, structure, antitumor and fluorescent properties. <i>Archiv Der Pharmazie</i> , <b>2012</b> , 345, 349-59	4.3	19
32	The chemistry of the vitamin B3 metabolome. <i>Biochemical Society Transactions</i> , <b>2019</b> , 47, 131-147	5.1	18
31	Syntheses and chemical properties of Nicotinamide riboside and its analogues and derivatives. <i>Beilstein Journal of Organic Chemistry</i> , <b>2019</b> , 15, 401-430	2.5	14
30	Lewis Acids as Mild and Effective Catalysts for the Synthesis of 3,5-Bis[(hetero)arylidene]piperidin-4-ones. <i>Helvetica Chimica Acta</i> , <b>2010</b> , 93, 1990-1999	2	12
29	Synthesis and structure of tris(4-ferrocenylphenyl)boroxine and its utility in cross-coupling reaction. <i>Russian Chemical Bulletin</i> , <b>2004</b> , 53, 2768-2773	1.7	12
28	N-alkylated 3,5-bis(arylidene)-4-piperidones. Synthetic approaches, X-ray structure and anticancer activity. <i>Journal of Heterocyclic Chemistry</i> , <b>2008</b> , 45, 729-736	1.9	11
27	Dihyronicotinamide riboside promotes cell-specific cytotoxicity by tipping the balance between metabolic regulation and oxidative stress. <i>PLoS ONE</i> , <b>2020</b> , 15, e0242174	3.7	11
26	Scalable syntheses of traceable ribosylated NAD precursors. <i>Organic and Biomolecular Chemistry</i> , <b>2019</b> , 17, 8716-8720	3.9	9
25	1,5-Diaryl-3-oxo-1,4-pentadienes based on (4-oxopiperidin-1-yl)(aryl)methyl phosphonate scaffold: synthesis and antitumor properties. <i>Medicinal Chemistry Research</i> , <b>2017</b> , 26, 140-152	2.2	9
24	Novel Biologically Active 1,3,2-Oxazaphosphinane Derivatives. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2011</b> , 186, 945-951	1	8
23	Thermotropic liquid crystals based on ferrocenylbiphenyl and ferrocenylterphenyl. <i>Liquid Crystals</i> , <b>2006</b> , 33, 485-494	2.3	7

22	Syntheses and crystal structures of ferrocenyl derivatives of biphenyl. <i>Russian Chemical Bulletin</i> , <b>2003</b> , 52, 607-615	1.7	7
21	Temporal dynamics of base excision/single-strand break repair protein complex assembly/disassembly are modulated by the PARP/NAD/SIRT6 axis. <i>Cell Reports</i> , <b>2021</b> , 37, 109917	10.6	7
20	Modification of 3,5-bis(arylidene)-4-piperidone pharmacophore by phosphonate group using 1,2,3-triazole cycle as a linker for the synthesis of new cytostatics. <i>Medicinal Chemistry Research</i> , <b>2015</b> , 24, 1753-1762	2.2	6
19	3,5-Bis(arylidene)piperid-4-ones Containing 1,3,2-Oxazaphosphorinane Moieties: Synthesis and Antitumor Activity. <i>Heteroatom Chemistry</i> , <b>2013</b> , 24, 191-199	1.2	6
18	Synthesis and study of antitumor activity of 4H-pyrano[3,2-c]pyridines based on N-(2-azidoethyl)- and N-propargyl-3,5-bis(arylidene)piperidin-4-ones. <i>Russian Chemical Bulletin</i> , <b>2017</b> , 66, 104-110	1.7	5
17	Synthetic Approaches to Cytotoxic Amidophosphates, Aminophosphonates, and Aminobisphosphonates with 3,5-Bis(arylidene)piperid-4-one Framework. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2011</b> , 186, 908-917	1	5
16	3,5-Bis(Arylidene)-4-Piperidones Modified by Bisphosphonate Groups as Novel Anticancer Agents. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2015</b> , 190, 741-746	1	4
15	Phosphoryl Substituted 3,5-Bis(Arylidene)-4-Piperidones Possessing High Antitumor Activity. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , <b>2008</b> , 183, 619-620	1	4
14	Synthesis of substituted 1-acyl-1'-biphenylferrocenes. Crystal structures of 4-bromo-4'-ferrocenylbiphenyl and 1-(4'-cyanobiphenyl-4-yl)-1'-((S)-3-methylpentanoyl)ferrocene. <i>Russian Chemical Bulletin</i> , <b>2004</b> , 53, 1942-1948	1.7	4
13	1,5-Thione-thiol isomerization of 3-O-phosphorylated 1,4-benzodiazepine. <i>Russian Journal of General Chemistry</i> , <b>2014</b> , 84, 1748-1753	0.7	3
12	Experimental and theoretical structural study of (3E,5E)-3,5-bis-(benzylidene)-4-oxopiperidinium mono- and (3E,5E)-3,5-bis-(4-N,N-dialkylammonio)benzylidene)-4-oxopiperidinium trications. <i>Journal of Molecular Structure</i> , <b>2011</b> , 1001, 68-77	3.4	3
11	Chemical and Biochemical Reactivity of the Reduced Forms of Nicotinamide Riboside. <i>ACS Chemical Biology</i> , <b>2021</b> , 16, 604-614	4.9	3
10	The Biochemical Pathways of Nicotinamide-Derived Pyridones. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	3
9	An abundant biliary metabolite derived from dietary omega-3 polyunsaturated fatty acids regulates triglycerides. <i>Journal of Clinical Investigation</i> , <b>2021</b> , 131,	15.9	3
8	Synthesis of diethyl (aryl)(4-oxopiperidin-1-yl)methylphosphonates. <i>Mendeleev Communications</i> , <b>2015</b> , 25, 232-233	1.9	2
7	3,5-Bis(arylidene)-4-piperidinones modified with bisphosphonate groups using a 1,2,3-triazole ring: Synthesis and antitumor properties. <i>Russian Chemical Bulletin</i> , <b>2014</b> , 63, 2388-2394	1.7	2
6	Ferrocenylbiphenyl- and ferrocenylterphenyl-containing liquid crystals: Solid-phase precursors, structure, and properties. <i>Crystallography Reports</i> , <b>2006</b> , 51, 792-803	0.6	2
5	NAD bioavailability mediates PARG inhibition-induced replication arrest, intra S-phase checkpoint and apoptosis in glioma stem cells. <i>NAR Cancer</i> , <b>2021</b> , 3, zcab044	5.2	2

4	New 3,5-bis(arylidene)-4-piperidones with bisphosphonate moiety: synthesis and antitumor activity. <i>Russian Chemical Bulletin</i> , <b>2014</b> , 63, 1181-1186	1.7	1
3	A Method to Monitor the NAD Metabolome-From Mechanistic to Clinical Applications. <i>International Journal of Molecular Sciences</i> , <b>2021</b> , 22,	6.3	1
2	Synthesis of Mixed Dinucleotides by Mechanochemistry. <i>Molecules</i> , <b>2022</b> , 27, 3229	4.8	0
1	Structure-property relationships for N-phosphoryl substituted E,E-3,5-bis(arylidene)piperid-4-ones. <i>Journal of Molecular Structure</i> , <b>2013</b> , 1043, 68-74	3.4	