Mikhail V Makarov

List of Publications by Year in Descending Order

39 papers	411 citations	11 h-index	18 g-index
44 ext. papers	552 ext. citations	4.1 avg, IF	3.56 L-index

#	Paper	IF	Citations
39	Synthesis of Mixed Dinucleotides by Mechanochemistry. *Molecules*, **2022**, 27, 3229	4.8	0
38	NAD bioavailability mediates PARG inhibition-induced replication arrest, intra S-phase checkpoint and apoptosis in glioma stem cells. *NAR Cancer*, **2021**, 3, zcab044	5.2	2
37	Temporal dynamics of base excision/single-strand break repair protein complex assembly/disassembly are modulated by the PARP/NAD/SIRT6 axis. *Cell Reports*, **2021**, 37, 109917	10.6	7
36	Chemical and Biochemical Reactivity of the Reduced Forms of Nicotinamide Riboside. *ACS Chemical Biology*, **2021**, 16, 604-614	4.9	3
35	The Biochemical Pathways of Nicotinamide-Derived Pyridones. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	3
34	An abundant biliary metabolite derived from dietary omega-3 polyunsaturated fatty acids regulates triglycerides. *Journal of Clinical Investigation*, **2021**, 131,	15.9	3
33	A Method to Monitor the NAD Metabolome-From Mechanistic to Clinical Applications. *International Journal of Molecular Sciences*, **2021**, 22,	6.3	1
32	Bacteria Boost Mammalian Host NAD Metabolism by Engaging the Deamidated Biosynthesis Pathway. *Cell Metabolism*, **2020**, 31, 564-579.e7	24.6	54
31	Dihydronicotinamide riboside promotes cell-specific cytotoxicity by tipping the balance between metabolic regulation and oxidative stress. *PLoS ONE*, **2020**, 15, e0242174	3.7	11
30	Scalable syntheses of traceable ribosylated NAD precursors. *Organic and Biomolecular Chemistry*, **2019**, 17, 8716-8720	3.9	9
29	A reduced form of nicotinamide riboside defines a new path for NAD biosynthesis and acts as an orally bioavailable NAD precursor. *Molecular Metabolism*, **2019**, 30, 192-202	8.8	43
28	Syntheses and chemical properties of □hicotinamide riboside and its analogues and derivatives. *Beilstein Journal of Organic Chemistry*, **2019**, 15, 401-430	2.5	14
27	The chemistry of the vitamin B3 metabolome. *Biochemical Society Transactions*, **2019**, 47, 131-147	5.1	18
26	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. *Russian Chemical Bulletin*, **2017**, 66, 104-110	1.7	5
25	1,5-Diaryl-3-oxo-1,4-pentadienes based on (4-oxopiperidin-1-yl)(aryl)methyl phosphonate scaffold: synthesis and antitumor properties. *Medicinal Chemistry Research*, **2017**, 26, 140-152	2.2	9
24	3,5-Bis(Arylidene)-4-Piperidones Modified by Bisphosphonate Groups as Novel Anticancer Agents. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2015**, 190, 741-746	1	4
23	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. *Medicinal Chemistry Research*, **2015**, 24, 1753-1762	2.2	6

22	Synthesis of diethyl (aryl)(4-oxopiperidin-1-yl)methylphosphonates. *Mendeleev Communications*, **2015**, 25, 232-233	1.9	2
21	1,5-Thione-thiol isomerization of 3-O-phosphorylated 1,4-benzodiazepine. *Russian Journal of General Chemistry*, **2014**, 84, 1748-1753	0.7	3
20	New 3,5-bis(arylidene)-4-piperidones with bisphosphonate moiety: synthesis and antitumor activity. *Russian Chemical Bulletin*, **2014**, 63, 1181-1186	1.7	1
19	3,5-Bis(arylidene)-4-piperidinones modified with bisphosphonate groups using a 1,2,3-triazole ring: Synthesis and antitumor properties. *Russian Chemical Bulletin*, **2014**, 63, 2388-2394	1.7	2
18	Structure–property relationships for N-phosphoryl substituted E,E-3,5-bis(arylidene)piperid-4-ones. *Journal of Molecular Structure*, **2013**, 1043, 68-74	3.4	
17	3,5-Bis(arylidene)piperid-4-ones Containing 1,3,2-Oxazaphosphorinane Moieties: Synthesis and Antitumor Activity. *Heteroatom Chemistry*, **2013**, 24, 191-199	1.2	6
16	Methylenebisphosphonates with dienone pharmacophore: synthesis, structure, antitumor and fluorescent properties. *Archiv Der Pharmazie*, **2012**, 345, 349-59	4.3	19
15	Novel Biologically Active 1,3,2-Oxazaphosphinane Derivatives. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2011**, 186, 945-951	1	8
14	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. *Journal of Molecular Structure*, **2011**, 1001, 68-77	3.4	3
13	Synthetic Approaches to Cytotoxic Amidophosphates, Aminophosphonates, and Aminobisphosphonates with 3,5-Bis(arylidene)piperid-4-one Framework. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2011**, 186, 908-917	1	5
12	Synthesis, characterization and structure-activity relationship of novel N-phosphorylated E,E-3,5-bis(thienylidene)piperid-4-ones. *European Journal of Medicinal Chemistry*, **2010**, 45, 992-1000	6.8	27
11	Polymers based on ionic monomers with side phosphonate groups. *Polymer Science - Series B*, **2010**, 52, 316-326	0.8	20
10	Lewis Acids as Mild and Effective Catalysts for the Synthesis of 3,5-Bis[(hetero)arylidene]piperidin-4-ones. *Helvetica Chimica Acta*, **2010**, 93, 1990-1999	2	12
9	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. *European Journal of Medicinal Chemistry*, **2010**, 45, 5926-34	6.8	23
8	Design, cytotoxic and fluorescent properties of novel N-phosphorylalkyl substituted E,E-3,5-bis(arylidene)piperid-4-ones. *European Journal of Medicinal Chemistry*, **2009**, 44, 2135-44	6.8	40
7	N-alkylated 3,5-bis(arylidene)-4-piperidones. Synthetic approaches, X-ray structure and anticancer activity. *Journal of Heterocyclic Chemistry*, **2008**, 45, 729-736	1.9	11
6	Phosphoryl Substituted 3,5-Bis(Arylidene)-4-Piperidones Posessing High Antitumor Activity. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2008**, 183, 619-620	1	4
5	Thermotropic liquid crystals based on ferrocenylbiphenyl and ferrocenylterphenyl. *Liquid Crystals*, **2006**, 33, 485-494	2.3	7

4	Ferrocenylbiphenylyl- and ferrocenylterphenylyl-containing liquid crystals: Solid-phase precursors, structure, and properties. *Crystallography Reports*, **2006**, 51, 792-803	0.6	2
3	Synthesis of substituted 1-acyl-1?-biphenylylferrocenes. Crystal structures of 4-bromo-4?-ferrocenylbiphenyl and 1-(4?-cyanobiphenyl-4-yl)-1?-((S)-3-methylpentanoyl)ferrocene. *Russian Chemical Bulletin*, **2004**, 53, 1942-1948	1.7	4
2	Synthesis and structure of tris(4-ferrocenylphenyl)boroxine and its utility in cross-coupling reaction. *Russian Chemical Bulletin*, **2004**, 53, 2768-2773	1.7	12
1	Syntheses and crystal structures of ferrocenyl derivatives of biphenyl. *Russian Chemical Bulletin*, **2003**, 52, 607-615	1.7	7