Nina Makhova

List of Publications by Citations

250 papers	3,077 citations	27 h-index	38 g-index
343 ext. papers	3,596 ext. citations	2 avg, IF	5.64 L-index

#	Paper	IF	Citations
250	Monocyclic furazans and furoxans. *Advances in Heterocyclic Chemistry*, **2001**, 78, 65-188	2.4	85
249	(3+3)-Annulation of Donor-Acceptor Cyclopropanes with Diaziridines. *Angewandte Chemie - International Edition*, **2018**, 57, 10338-10342	16.4	77
248	1,2,5-Oxadiazole-Based High-Energy-Density Materials: Synthesis and Performance. *ChemPlusChem*, **2020**, 85, 13-42	2.8	64
247	Prospective Symbiosis of Green Chemistry and Energetic Materials. *ChemSusChem*, **2017**, 10, 3914-3946	8.3	62
246	Novel approaches to pharmacology-oriented and energy rich organic nitrogen–oxygen systems. *Mendeleev Communications*, **2015**, 25, 399-409	1.9	60
245	Advances in the synthesis of non-annelated polynuclear heterocyclic systems comprising the 1,2,5-oxadiazole ring. *Russian Chemical Reviews*, **2016**, 85, 1097-1145	6.8	59
244	Molecular Hybridization Tools in the Development of Furoxan-Based NO-Donor Prodrugs. *ChemMedChem*, **2017**, 12, 622-638	3.7	54
243	An efficient access to (1H-tetrazol-5-yl)furoxan ammonium salts via a two-step dehydration/[3+2]-cycloaddition strategy. *Tetrahedron*, **2015**, 71, 6764-6775	2.4	53
242	Progress in the chemistry of nitrogen-, oxygen- and sulfur-containing heterocyclic systems. *Russian Chemical Reviews*, **2020**, 89, 55-124	6.8	44
241	Efficient assembly of mono- and bis(1,2,4-oxadiazol-3-yl)furoxan scaffolds via tandem reactions of furoxanylamidoximes. *RSC Advances*, **2015**, 5, 47248-47260	3.7	43
240	Assembly of Tetrazolylfuroxan Organic Salts: Multipurpose Green Energetic Materials with High Enthalpies of Formation and Excellent Detonation Performance. *Chemistry - A European Journal*, **2019**, 25, 4225-4233	4.8	42
239	Assembly of Nitrofurazan and Nitrofuroxan Frameworks for High-Performance Energetic Materials. *ChemPlusChem*, **2017**, 82, 1315-1319	2.8	41
238	Recent advances in synthesis of organic nitrogen–oxygen systems for medicine and materials science. *Mendeleev Communications*, **2017**, 27, 535-546	1.9	41
237	Vasorelaxant and antiplatelet activity of 4,7-dimethyl-1,2, 5-oxadiazolo[3,4-d]pyridazine 1,5,6-trioxide: role of soluble guanylate cyclase, nitric oxide and thiols. *British Journal of Pharmacology*, **2000**, 129, 1163-77	8.6	37
236	Advances in the chemistry of monocyclic amino- and nitrofuroxans. *Russian Chemical Reviews*, **2013**, 82, 1007-1033	6.8	36
235	Transformations of diaziridines and their fused analogues induced by electrophilic reagents. *Russian Chemical Reviews*, **2011**, 80, 1035-1066	6.8	36
234	Design of hybrid heterocyclic systems with a furoxanylpyridine core via tandem hetero-Diels–Alder/retro-Diels–Alder reactions of (1,2,4-triazin-3-yl)furoxans. *RSC Advances*, **2016**, 6, 31526-31539	3.7	35

233	Ionic liquids as substrate-specific recoverable solvents and catalysts of regio-, stereo- and enantioselective organic reactions. *Mendeleev Communications*, **2010**, 20, 63-71	1.9	35
232	Reactions of carbon acids and 1,3-dipoles in the presence of ionic liquids. *Russian Chemical Reviews*, **2010**, 79, 543-583	6.8	34
231	Synthesis of monocyclic diaziridines and their fused derivatives. *Arkivoc*, **2009**, 2008, 128-152	0.9	34
230	Regioselective synthesis of bifuroxanyl systems with the 3-nitrobifuroxanyl core via a one-pot acylation/nitrosation/cyclization cascade. *Tetrahedron Letters*, **2016**, 57, 4268-4272	2	34
229	Synthesis of furoxan derivatives based on 4-aminofuroxan-3-carboxylic acid azide. *Russian Chemical Bulletin*, **2003**, 52, 1822-1828	1.7	33
228	Monocyclic and cascade rearrangements of furoxans. *Pure and Applied Chemistry*, **2004**, 76, 1691-1703	2.1	33
227	Synthesis of hetarylsulfanyl- and hetaryloxyfuroxans by nucleophilic substitution of nitro group in nitrofuroxans with heterocyclic thiol and hydroxy derivatives*. *Chemistry of Heterocyclic Compounds* , **2015**, 51, 176-186	1.4	32
226	Dinitrogen Trioxide-Mediated Domino Process for the Regioselective Construction of 4-Nitrofuroxans from Acrylic Acids. *Heteroatom Chemistry*, **2014**, 25, 226-237	1.2	30
225	Synthesis of new chiral mono-, di-, tri-, and tetraalkylglycolurils. *Russian Chemical Bulletin*, **2005**, 54, 691-704	1.7	29
224	Recent advances in the synthesis and functionalization of 1,2,5-oxadiazole 2-oxides. *Tetrahedron Letters*, **2018**, 59, 2317-2326	2	27
223	Ionic liquid-promoted [3+2]-cycloaddition reactions of nitroformonitrile oxide generated by the cycloreversion of dinitrofuroxan. *Tetrahedron Letters*, **2014**, 55, 2398-2400	2	26
222	Design of hetarylthiofuroxans by nucleophilic substitution of NO2 group in nitrofuroxans. *Mendeleev Communications*, **2015**, 25, 36-38	1.9	26
221	(3+3)-Annulation of Donor–Acceptor Cyclopropanes with Diaziridines. *Angewandte Chemie*, **2018**, 130, 10495-10499	3.6	26
220	Ionic liquid-mediated synthesis of (1H-1,2,3-triazol-1-yl)furoxans by [3 + 2] cycloaddition of azidofuroxans to acetylenes. *Mendeleev Communications*, **2015**, 25, 257-259	1.9	25
219	Conformational and Bonding Properties of 3,3-Dimethyl- and 6,6-Dimethyl-1,5-diazabicyclo[3.1.0]hexane: A Case Study Employing the Monte Carlo Method in Gas Electron Diffraction. *Journal of Physical Chemistry A*, **2015**, 119, 10871-81	2.8	25
218	Metathesis of azomethine imines in the reaction of 6-aryl-1,5-diazabicyclo[3.1.0]hexanes with carbonyl compounds. *Mendeleev Communications*, **2012**, 22, 32-34	1.9	24
217	Metathesis of Azomethine Imines in Reaction of 6-aryl-1,5-Diazabicyclo[3.1.0]Hexanes with (Het)Arylidenemalononitriles. *Mendeleev Communications*, **2013**, 23, 34-36	1.9	24
216	Pushing the Energy-Sensitivity Balance with High-Performance Bifuroxans. *ACS Applied Energy Materials*, **2020**, 3, 7764-7771	6.1	23

215	Henry and Mannich reactions of polynitroalkanes in ionic liquids. *Mendeleev Communications*, **2011**, 21, 21-23	1.9	23
214	An effective synthesis of (1H-1,2,4-triazol-3-yl)furoxans. *Chemistry of Heterocyclic Compounds*, **2015**, 51, 754-759	1.4	22
213	A new direction of ring expansion of 1,2-dialkyldiaziridines in the reactions with arylketenes. *Mendeleev Communications*, **2003**, 13, 221-223	1.9	22
212	The Schmidt Rearrangement of Methyl Furoxanyl Ketones and Furoxancarboxylic Acids: a New Synthetic Route to Aminofuroxans. *Mendeleev Communications*, **1995**, 5, 56-58	1.9	22
211	New insight into the antiaggregant activity of furoxans. *Mendeleev Communications*, **2016**, 26, 513-515	1.9	21
210	A Novel Synthesis of Thioglycolurils by Ring Contraction of 5,7-Dialkyl-3-thioxoperhydroimidazo[4,5-e]-1,2,4-triazin-6-ones. *Synthesis*, **2012**, 44, 3366-3370	2.9	21
209	Diaziridine ring expansion in 6-aryl-1,5-diazabicyclo[3.1.0]hexanes on treatment with nitriles assisted by ionic liquids. *Mendeleev Communications*, **2008**, 18, 207-208	1.9	21
208	Ring transformation of 1,5-diazabicyclo[3.1.0]hexanes under the action of arylketenes. *Journal of Heterocyclic Chemistry*, **2006**, 43, 881-888	1.9	21
207	Ionic-liquids-assisted reaction of 6-aryl-1,5-diazabicyclo[3.1.0]hexanes with β-nitrostyrenes. *Mendeleev Communications*, **2009**, 19, 276-278	1.9	20
206	The Curtius Rearrangement of Azidocarbonylfuroxans: Some Peculiarities and the Synthesis of Aminofuroxans. *Mendeleev Communications*, **1995**, 5, 58-60	1.9	20
205	Antiaggregant activity of water-soluble furoxans. *Mendeleev Communications*, **2018**, 28, 49-51	1.9	19
204	Side-chain prototropic tautomerism of 4-hydroxyfuroxans in methylation reactions. *Tetrahedron Letters*, **2016**, 57, 5685-5689	2	19
203	Insertion of carbon disulfide into the diaziridine ring of 6-aryl-1,5-diazabicylo[3.1.0]hexanes assisted by ionic liquids. *Mendeleev Communications*, **2008**, 18, 42-44	1.9	19
202	New conglomerate in the series of glycoluriles. *Mendeleev Communications*, **2004**, 14, 105-107	1.9	19
201	CAN-mediated new, regioselective one-pot access to bicyclic cationic structures with 2,3-dihydro-1H-pyrazolo[1,2-a]pyrazol-4-ium core. *Tetrahedron*, **2015**, 71, 9012-9021	2.4	18
200	Synthesis, structural characterization and cytotoxic activity of heterocyclic compounds containing the furoxan ring. *Arkivoc*, **2017**, 2017, 250-268	0.9	17
199	Unexpected regioselectivities of [3 + 2] cycloaddition of azomethine imines to acrylonitrile and 4-nitrophenyl vinyl sulfone. *Mendeleev Communications*, **2013**, 23, 271-273	1.9	17
198	Molecular structure of 1,5-diazabicyclo[3.1.0]hexane as determined by gas electron diffraction and quantum-chemical calculations. *Journal of Physical Chemistry A*, **2008**, 112, 5243-50	2.8	17

197	Synthesis of macrocyclic systems from 4,4?-diamino-3,3?-bi-1,2,5-oxadiazole and 3(4)-amino-4(3)-(4-amino-1,2,5-oxadiazol-3-yl)-1,2,5-oxadiazole 2-oxides. *Russian Chemical Bulletin*, **2008**, 57, 644-651	1.7	17
196	An unexpected transformation of 1,2-dialkyldiaziridines into N-{[acetyl(alkyl)amino]methyl}-N-(alken-1-yl)acetamide under the action of the parent ketene. *Mendeleev Communications*, **2005**, 15, 29-31	1.9	17
195	Synthesis of N-trinitroethyl derivatives of linear and heterocyclic nitrogen-containing compounds. *Russian Chemical Bulletin*, **2005**, 54, 1346-1349	1.7	17
194	New Method for the Synthesis and Reactivity of (5-R-1,3,4-Oxadiazol-2-yl)furoxans. *Journal of Heterocyclic Chemistry*, **2016**, 53, 102-108	1.9	16
193	Synthesis and vasodilating properties of N-alkylamide derivatives of 4-amino-3-furoxancarboxylic acid and related azo derivatives. *Il Farmaco*, **2003**, 58, 677-81		16
192	A new simple approach to the preparation of imidazo [4,5-e]-1,2,4-triazine derivatives. *Mendeleev Communications*, **2003**, 13, 190-191	1.9	16
191	Straightforward Access to the Nitric Oxide Donor Azasydnone Scaffold by Cascade Reactions of Amines. *Chemistry - A European Journal*, **2019**, 25, 14284-14289	4.8	15
190	A new reaction of 1,2-di- and 1,2,3-trialkyldiaziridines: Ring expansion under the action of diethyl acetylenedicarboxylate in ionic liquids. *Journal of Heterocyclic Chemistry*, **2009**, 46, 1195-1202	1.9	15
189	Nitrosation of salts of 1-hydroxyimino-2,2-dinitro-1-R-ethanes, a novel method for the preparation of isomeric 3(4)-nitro-4(3)-R-furoxans. *Russian Chemical Bulletin*, **2009**, 58, 2137-2146	1.7	15
188	Synthesis of 1-aryl(hetaryl)-1,2,3-triazoles with the use of ionic liquids. *Mendeleev Communications*, **2002**, 12, 83-84	1.9	15
187	The base-induced cascade rearrangement of 4-acetylamino-3-arylazo-1,2,5-oxadiazole 2-oxides (furoxans) into 4-acetylamino-2-aryl-5-nitro-2H-1,2,3-triazoles. *Mendeleev Communications*, **2001**, 11, 230-232	1.9	15
186	New version of mononuclear heterocyclic rearrangement. *Mendeleev Communications*, **1999**, 9, 17-19	1.9	15
185	Comparable study of the structure of 1,2-bis(2-acetamidoethyl) diaziridine and 3,3-diethyldiaziridine with structures of related compounds by X-ray diffraction analysis and quantum chemical calculations. *Structural Chemistry*, **2017**, 28, 1211-1221	1.8	14
184	Ionic liquid-assisted synthesis of 5-monoand 1,5-disubstituted tetrazoles. *Mendeleev Communications*, **2011**, 21, 334-336	1.9	14
183	An unexpected transformation of 3,4-bis(isocyanato)furoxan into 3,3Ebi(1,2,4-oxadiazol-5-one). *Mendeleev Communications*, **2009**, 19, 144-146	1.9	14
182	Synthesis of 2-monofunctionalized 2,4,6,8-tetraazabicyclo[3.3.0]octane-3,7-diones. *Russian Chemical Bulletin*, **2003**, 52, 192-197	1.7	14
181	New approaches to the preparation of azoxyfuroxans. *Mendeleev Communications*, **1999**, 9, 15-17	1.9	14
180	Reaction of N2O4 with Substituted Dinitromethane Salts as a New Method for the Generation of Nitrile Oxides. *Mendeleev Communications*, **1992**, 2, 91-93	1.9	14

179	Synthesis and reactivity of furazanyl- and furoxanyldiazonium salts. *Russian Chemical Bulletin*, **1993**, 42, 1865-1870	1.7	14
178	Advanced energetic materials: novel strategies and versatile applications. *Mendeleev Communications*, **2021**, 31, 731-749	1.9	14
177	Tandem Condensation/Rearrangement Reaction of 2-Aminohetarene N-Oxides for the Synthesis of Hetaryl Carbamates. *Advanced Synthesis and Catalysis*, **2018**, 360, 3157-3163	5.6	13
176	The First Synthesis of Furoxan and 1,3,4-Oxadiazole Ring Ensembles. *Journal of Heterocyclic Chemistry*, **2013**, 50, 135-140	1.9	13
175	Insertion of carbon disulfide and the nitrile group into the diaziridine ring of 6-aryl-1,5-diazabicyclo[3.1.0]hexanes in ionic liquids catalyzed by BF3 Et2O. *Russian Chemical Bulletin*, **2009**, 58, 366-379	1.7	13
174	Spontaneous resolution in the imidazolidin-2-one series. *Mendeleev Communications*, **2003**, 13, 114-116	1.9	13
173	1,5-Diazabicyclo[3.1.0]hexanes and 1,6-diazabicyclo[4.1.0]heptanes: a new method for the synthesis, quantum-chemical calculations, and X-ray diffraction study. *Russian Chemical Bulletin*, **2003**, 52, 665-673	1.7	13
172	N-Oxide-Controlled Chemoselective Reduction of Nitrofuroxans. *Synthesis*, **2019**, 51, 747-756	2.9	13
171	New hybrid furoxan structures with antiaggregant activity. *Mendeleev Communications*, **2018**, 28, 595-597	1.9	13
170	Furoxans fused with heterocycles as promising donors and precursors for nitric oxide donors (microreview). *Chemistry of Heterocyclic Compounds*, **2017**, 53, 849-851	1.4	12
169	Synthesis and Transformations of Nitrogen Heterocycles in Ionic Liquids (Review). *Chemistry of Heterocyclic Compounds*, **2014**, 50, 634-646	1.4	12
168	Effective synthesis of 6-substituted 7H-tetrazolo[5,1-b][1,3,4]thiadiazines via a one-pot condensation/nitrosation/azide-tetrazole tautomerism reaction sequence. *Tetrahedron Letters*, **2017**, 58, 3998-4002	2	12
167	Synthesis and cascade rearrangement of 3-arylazo-4-(3-ethoxycarbonylureido)furoxans. *Russian Chemical Bulletin*, **2003**, 52, 1829-1834	1.7	12
166	Highly diastereoselective synthesis of 2-monosubstituted 1R,5S(1S,5R)-glycoluriles on the basis of S- and R-N-carbamoyl- -amino acids. *Mendeleev Communications*, **2003**, 13, 269-271	1.9	12
165	New rearrangement of azofuroxans in an oxidising medium. *Mendeleev Communications*, **2003**, 13, 272-275	1.9	12
164	An effective one-pot access to polynuclear dispiroheterocyclic structures comprising pyrrolidinyloxindole and imidazothiazolotriazine moieties via a 1,3-dipolar cycloaddition strategy. *Beilstein Journal of Organic Chemistry*, **2016**, 12, 2240-2249	2.5	12
163	Synthesis of 1-Substituted Pyrazolines by Reaction of Donor-Acceptor Cyclopropanes with 1,5-Diazabicyclo[3.1.0]hexanes. *European Journal of Organic Chemistry*, **2019**, 2019, 5475-5485	3.2	11
162	Generation and metathesis of azomethine imines in reaction of 6-aryl-1,5-diazabicyclo[3.1.0]hexanes with het(aryl)methylidenemalononitriles. *Russian Chemical Bulletin*, **2013**, 62, 1066-1075	1.7	11

161	Versatile approach to heteroarylfuroxan derivatives from oximinofuroxans via a one-pot, nitration/thermolysis/[3+2]-cycloaddition cascade. *Tetrahedron Letters*, **2017**, 58, 3993-3997	2	11
160	Kinetics and mechanism of the anodic dissolution of gold in solutions of 1,5-diazabicyclo[3.1.0]hexane and its precursors. *Russian Journal of Physical Chemistry A*, **2014**, 88, 331-337	0.7	11
159	Synthesis of 1,3- and 1,4-bis(3-nitrofurazan-4-yl)benzenes and isomeric 1,3- and 1,4-bis[3(4)-nitrofuroxan-4(3)-yl]benzenes. *Mendeleev Communications*, **2009**, 19, 217-219	1.9	11
158	Thioureidoalkylation of urea heteroanalogs. *Russian Chemical Bulletin*, **2009**, 58, 1945-1954	1.7	11
157	Synthesis of 1S,5R- and 1R,5S-glycoluriles by diastereospecific ureidoalkylation of (S)/(R)-N-carbamoyl-amino acids with 4,5-dihydroxyimidazolidin-2-one. *Mendeleev Communications*, **2004**, 14, 253-255	1.9	11
156	Effective synthesis of 1,2-di-, 1,2,3-tri-, 1,2,3,3-tetraalkyldiaziridines and 1,5-diazabicyclo[3.1.0]hexanes. *Mendeleev Communications*, **2000**, 10, 182-184	1.9	11
155	Generation of Nitro Formonitrile Oxide as an Intermediate for the Preparation of Dinitrofuroxan. *Mendeleev Communications*, **1993**, 3, 210-211	1.9	11
154	Diastereoselective synthesis of 1,3-di- and 1,3,3-trisubstituted diaziridines coupled with neurotransmitter amino acids. *Mendeleev Communications*, **2016**, 26, 391-394	1.9	11
153	Nitro-, Cyano-, and Methylfuroxans, and Their Bis-Derivatives: From Green Primary to Melt-Cast Explosives. *Molecules*, **2020**, 25,	4.8	10
152	3-Cyclopropyl-1,2-dimethyldiaziridine: synthesis and study of molecular structure by gas electron diffraction method. *Structural Chemistry*, **2018**, 29, 815-822	1.8	10
151	Regio- and stereoselective cycloaddition of stable azomethine imines to (arylmethylidene)malononitriles. *Mendeleev Communications*, **2015**, 25, 188-190	1.9	10
150	Reaction of 1,2-Dialkyldiaziridines and 1,2,3-Trialkyldiaziridines with Methyl Propiolate in Ionic Liquids and in Organic Solvents. *Journal of Heterocyclic Chemistry*, **2013**, 50, 326-336	1.9	10
149	Synthesis of 5-alkyl-2-amino-1,3,4-thiadiazoles and bis(2-amino-1,3,4-thiadiazol-5-yl)alkanes in ionic liquids. *Mendeleev Communications*, **2011**, 21, 331-333	1.9	10
148	Thermal rearrangements of 3-substituted 4-(3-ethoxycarbonylthioureido)-1,2,5-oxadiazole 2-oxides. *Mendeleev Communications*, **2003**, 13, 188-190	1.9	10
147	An unexpected transformation of 3,4-diacylfuroxans into 3-acyl-4-acylaminofurazans in the reaction with nitriles. *Mendeleev Communications*, **2003**, 13, 230-232	1.9	10
146	Reaction of 1,2-dialkyldiaziridines with ketenes as a new approach to cyclic and linear systems containing the NCCN fragment. *Russian Chemical Bulletin*, **2005**, 54, 1021-1031	1.7	10
145	A New Regiospecific Synthesis of Isomeric 3(4)-Aryl-4(3)-nitro-1,2,5-oxadiazole 2-Oxides. *Mendeleev Communications*, **1992**, 2, 120-121	1.9	10
144	Renaissance of 1,2,5-Oxadiazolyl Diazonium Salts: Synthesis and Reactivity. *European Journal of Organic Chemistry*, **2019**, 2019, 4248-4259	3.2	9

143	Lewis acid-catalyzed Wolff cyclocondensation in the synthesis of (1H-1,2,3-triazolyl)furoxans. *Arkivoc*, **2017**, 2017, 140-150	0.9	9
142	Synthesis and nitration of 3-R-4-(2,2,2-trinitroethyl)aminofuroxans. *Russian Chemical Bulletin*, **2012**, 61, 1575-1581	1.7	9
141	Ionic Liquids Advanced Reaction Media for Organic Synthesis. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2011**, 186, 1205-1216	1	9
140	Synthesis and nitration of N,N′-bis(3-R-furoxan-4-yl)methylenediamines. *Russian Chemical Bulletin*, **2010**, 59, 2108-2113	1.7	9
139	The first example of the Schmidt reaction in ionic liquids. *Mendeleev Communications*, **2010**, 20, 335-336	1.9	9
138	The role of pH in the synthesis of diaziridines. *Russian Chemical Bulletin*, **1997**, 46, 1354-1356	1.7	9
137	Synthesis and structure of 1-[(3,3-dialkyldiaziridin-1-yl)alkyl]-3,3-dialkyldiaziridines. *Russian Chemical Bulletin*, **2007**, 56, 1550-1554	1.7	9
136	Synthesis of first representatives of 3,3?-bi(6,8-dialkyl-2,4-dioxa-6,8-diazabicyclo[3.3.0]octan-7-ones). *Journal of Heterocyclic Chemistry*, **2006**, 43, 1295-1302	1.9	9
135	Synthesis of 4-benzoyl-1,2,6-trialkyl-1,2,4,6-tetrazepane-5-thiones by the interaction of 1,2-dialkyldiaziridines with benzoyl isothiocyanate in ionic liquids. *Mendeleev Communications*, **2006** , 16, 218-220	1.9	9
134	Reaction of N-alkylglycolurils with electrophilic reagents. *Chemistry of Heterocyclic Compounds*, **2006**, 42, 365-376	1.4	9
133	3,3 Bi(6,8-dialkyl-2,4-dioxa-7-thia-6,8-diazabicyclo[3.3.0]octane 7,7-dioxides) as new heterocyclic system derivatives. *Mendeleev Communications*, **2001**, 11, 138-140	1.9	9
132	Nitroformonitrile oxide. *Russian Chemical Bulletin*, **1995**, 44, 702-706	1.7	9
131	New Macrocyclic Systems Tetrafurazano[3,4-c:3,4-e:3,4-i:3,4-k]-1,2,7,8-tetraazacyclododeca-1,3,5,7,9,11-hexane and Hexafurazano-[3,4-c:3,4-e:3,4-i:3,4-k:3,4-o:3,4-r]-1,2,7,8,13,14-hexaazacyclooctadeca-1,3,5,7,9,11,13,15,17-nonane by Oxidative Macrocyclization of Diaminodifurazanyl. *Mendeleev Communications*, **1994**, 4, 102	1.9	9
130	Eco-friendly N N coupling of aminofuroxans into azofuroxans under the action of electrogenerated hypohalites. *Mendeleev Communications*, **2018**, 28, 518-520	1.9	9
129	Regioselective synthesis, structural diversification and cytotoxic activity of (thiazol-4-yl)furoxans. *Mendeleev Communications*, **2018**, 28, 623-625	1.9	9
128	Crystal Solvates of Energetic 2,4,6,8,10,12-Hexanitro-2,4,6,8,10,12-hexaazaisowurtzitane Molecule with [bmim]-Based Ionic Liquids. *Crystal Growth and Design*, **2019**, 19, 3660-3669	3.5	8
127	Anodic dissolution of gold in a solution of 1,3-diaminopropane with the formation of a cathodic deposit and a colloidal solution of Au. *Russian Journal of Physical Chemistry A*, **2016**, 90, 2312-2315	0.7	8
126	Regioselective synthesis of 2,8-disubstituted 1,5-diphenylglycolurils. *Mendeleev Communications*, **2014**, 24, 173-175	1.9	8

125	Ionic liquid-promoted stereoselective [3 + 2] cycloaddition of 1-hetaryl-2-nitroethenes to azomethine imines generated in situ. *Mendeleev Communications*, **2013**, 23, 206-208	1.9	8
124	Nucleophilic aromatic cine-substitution of hydrogen: the ionic liquid-promoted von Richter reaction. *Mendeleev Communications*, **2015**, 25, 41-43	1.9	8
123	Diaminofuroxan: Synthetic Approaches and Computer-Aided Study of Thermodynamic Stability. *Propellants, Explosives, Pyrotechnics*, **2012**, 37, 549-557	1.7	8
122	Thioureidoalkylation of functionally substituted ureas: I. Tandem cyclization and esterification in reactions of N-(carboxyalkyl)ureas with 1,3-dialkyl-4,5-dihydroxy-4,5-diphenylimidazolidine-2-thiones in alcohols. *Russian Journal of Organic Chemistry*, **2011**, 47, 1564-1571	0.7	8
121	Thermolysis of furoxans annulated with five-membered carbocycles in the presence of dipolarophiles. *Russian Chemical Bulletin*, **2007**, 56, 1580-1587	1.7	8
120	Gas-Phase Electron Diffraction and Quantum-Chemical Studies of the Molecular Structure of N,N-dimethyldiaziridine. *Journal of Structural Chemistry*, **2003**, 44, 784-789	0.9	8
119	Thermal and base-induced rearrangements of furoxanylketones phenylhydrazones. *Mendeleev Communications*, **2000**, 10, 190-191	1.9	8
118	hydroaxyalkyl(benzyl)furozans and hydroxyalkyl(benzyl)furoxans synthesis and reactivity. *Russian Chemical Bulletin*, **1996**, 45, 1692-1698	1.7	8
117	Synthesis of isomeric 3-nitro-4-phenylfuroxane and 4-nitro-3-phenylfuroxane. *Bulletin of the Academy of Sciences of the USSR Division of Chemical Science*, **1982**, 31, 573-576		8
116	Equilibrium structures of the tetramezine diastereomers and their ratio: joint analysis of gas phase electron diffraction, quantum chemistry, and spectroscopic data. *Physical Chemistry Chemical Physics*, **2019**, 21, 5598-5613	3.6	8
115	Synthesis and reactivity of aminofuroxans. *Chemistry of Heterocyclic Compounds*, **2019**, 55, 1143-1164	1.4	8
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