

Nina Makhova

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

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	Kinetics and mechanism of gold anode corrosion in a weakly basic aqueous solution of hexamethylenetetramine (urotropine). <i>Russian Chemical Bulletin</i> , 2022 , 71, 52-58	1.7	0
249	Advanced energetic materials: novel strategies and versatile applications. <i>Mendeleev Communications</i> , 2021 , 31, 731-749	1.9	14
248	The first example of anodic corrosion of Pd in aqueous ethylenediamine with formation of colloidal palladium. <i>Mendeleev Communications</i> , 2021 , 31, 638-640	1.9	1
247	Corrosion of Gold Anode in an Aqueous Solution of N,N-Dimethylpropane-1,3-diamine. <i>Russian Journal of Organic Chemistry</i> , 2021 , 57, 1417-1422	0.7	0
246	Gold anode corrosion in an aqueous solution of 2,2-dimethyl-1,3-diaminopropane. <i>Russian Chemical Bulletin</i> , 2021 , 70, 735-744	1.7	3
245	Nitrodiaziridines: Unattainable yet, but Desired Energetic Materials. <i>Journal of Physical Chemistry A</i> , 2021 , 125, 3920-3927	2.8	1
244	Antiaggregant effects of (1,2,5-oxadiazolyl)azasydnone ring assemblies as novel antiplatelet agents. <i>Chemical Biology and Drug Design</i> , 2021 ,	2.9	3
243	Molecular structure of 1,2-diethyldiaziridine studied by gas electron diffraction supported by quantum chemistry calculations. <i>Journal of Molecular Structure</i> , 2021 , 1225, 129066	3.4	2
242	Design and synthesis of pyrazolo[3,4-d]pyridazine 5,6-dioxides as novel NO-donors. <i>Mendeleev Communications</i> , 2021 , 31, 42-45	1.9	3
241	Design and Synthesis of Nitrogen-Rich Azo-Bridged Furoxanylazoles as High-Performance Energetic Materials. <i>Chemistry - A European Journal</i> , 2021 , 27, 14628-14637	4.8	6
240	Nitro-, Cyano-, and Methylfuroxans, and Their Bis-Derivatives: From Green Primary to Melt-Cast Explosives. <i>Molecules</i> , 2020 , 25,	4.8	10
239	Gold anode corrosion in aqueous solution of 1,2-diaminopropane with formation of colloidal gold nanoparticles. <i>Russian Chemical Bulletin</i> , 2020 , 69, 1884-1891	1.7	4
238	Synthesis and Structure of 1-Substituted Semithioglycolurils. <i>Synthesis</i> , 2020 , 52, 2563-2571	2.9	4
237	Divergent Synthesis of Five-Membered Nitrogen Heterocycles via Cascade Reactions of 4-Arylfuroxans. <i>Synthesis</i> , 2020 , 52, 2667-2678	2.9	4
236	Tandem Reactions of Thermolysis and [3+2] Cycloaddition in the Synthesis of 3-Hetaryl-4-Nitrofuroxans from 4-Nitrofuroxannitrolic Acid. <i>Chemistry of Heterocyclic Compounds</i> , 2020 , 56, 607-610	1.4	5
235	Pushing the Energy-Sensitivity Balance with High-Performance Bifuroxans. <i>ACS Applied Energy Materials</i> , 2020 , 3, 7764-7771	6.1	23
234	Route to 1,2,4- and 1,2,5-oxadiazole ring assemblies via a one-pot condensation/oxidation protocol. <i>Tetrahedron Letters</i> , 2020 , 61, 151678	2	3

233	1,2,5-Oxadiazoles 2020 , 190-190		0
232	Equilibrium molecular structure and spectra of 6-methyl-1,5-diazabicyclo[3.1.0]hexane: joint analysis of gas phase electron diffraction, quantum chemistry, and spectroscopic data. <i>Physical Chemistry Chemical Physics</i> , 2020 , 22, 22477-22492	3.6	2
231	Progress in the chemistry of nitrogen-, oxygen- and sulfur-containing heterocyclic systems. <i>Russian Chemical Reviews</i> , 2020 , 89, 55-124	6.8	44
230	Intramolecular Motions in 1,2,3-Triethyldiaziridine: A Quantum Chemistry Study. <i>Russian Journal of Physical Chemistry A</i> , 2020 , 94, 1836-1842	0.7	
229	Direct Synthesis of -(1,2,5-Oxadiazolyl)hydrazones through a Diazotization/Reduction/Condensation Cascade. <i>Journal of Organic Chemistry</i> , 2020 , 85, 15466-15475	4.2	3
228	Novel Arylazo-1,2,5-oxadiazole Photoswitches: Synthesis, Photoisomerization and Nitric Oxide Releasing Properties. <i>ChemPhotoChem</i> , 2020 , 4, 5346-5354	3.3	5
227	1,2,5-Oxadiazole-Based High-Energy-Density Materials: Synthesis and Performance. <i>ChemPlusChem</i> , 2020 , 85, 13-42	2.8	64
226	Synthesis of new pharmacologically oriented heterocyclic ensembles, [2-(1H-pyrazol-1-yl)thiazol-4-yl]furoxans. <i>Mendeleev Communications</i> , 2019 , 29, 288-291	1.9	6
225	Crystal Solvates of Energetic 2,4,6,8,10,12-Hexanitro-2,4,6,8,10,12-hexaazaisowurtzitane Molecule with [bmim]-Based Ionic Liquids. <i>Crystal Growth and Design</i> , 2019 , 19, 3660-3669	3.5	8
224	Kinetics and Mechanism of the Anodic Dissolution of Gold in a Solution of 1,2-Diaminoethane. <i>Russian Journal of Physical Chemistry A</i> , 2019 , 93, 466-469	0.7	6
223	Renaissance of 1,2,5-Oxadiazolyl Diazonium Salts: Synthesis and Reactivity. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 4248-4259	3.2	9
222	Synthesis of 1-Substituted Pyrazolines by Reaction of Donor-Acceptor Cyclopropanes with 1,5-Diazabicyclo[3.1.0]hexanes. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 5475-5485	3.2	11
221	Hetarylfuroxans: cytotoxic effect and induction of apoptosis in chronic myeloid leukemia K562 cells. <i>Russian Chemical Bulletin</i> , 2019 , 68, 158-162	1.7	6
220	Straightforward Access to the Nitric Oxide Donor Azasydnone Scaffold by Cascade Reactions of Amines. <i>Chemistry - A European Journal</i> , 2019 , 25, 14284-14289	4.8	15
219	Equilibrium structures of the tetramezine diastereomers and their ratio: joint analysis of gas phase electron diffraction, quantum chemistry, and spectroscopic data. <i>Physical Chemistry Chemical Physics</i> , 2019 , 21, 5598-5613	3.6	8
218	Synthesis and reactivity of aminofuroxans. <i>Chemistry of Heterocyclic Compounds</i> , 2019 , 55, 1143-1164	1.4	8
217	Kinetics and mechanism of anodic dissolution of gold in aqueous solution of 1,4-diaminobutane. <i>Russian Chemical Bulletin</i> , 2019 , 68, 1997-2001	1.7	4
216	Molecular structure study of 1,2,3-trimethyldiaziridine by means of gas electron diffraction method. <i>Structural Chemistry</i> , 2019 , 30, 457-464	1.8	7

215	Assembly of Tetrazolylfuroxan Organic Salts: Multipurpose Green Energetic Materials with High Enthalpies of Formation and Excellent Detonation Performance. <i>Chemistry - A European Journal</i> , 2019 , 25, 4225-4233	4.8	42
214	N-Oxide-Controlled Chemoselective Reduction of Nitrofuroxans. <i>Synthesis</i> , 2019 , 51, 747-756	2.9	13
213	Cytotoxic and apoptotic activity of nitrofuroxans on lymphoma cells. <i>Chemistry of Heterocyclic Compounds</i> , 2018 , 54, 70-75	1.4	1
212	Antiaggregant activity of water-soluble furoxans. <i>Mendeleev Communications</i> , 2018 , 28, 49-51	1.9	19
211	Recent advances in the synthesis and functionalization of 1,2,5-oxadiazole 2-oxides. <i>Tetrahedron Letters</i> , 2018 , 59, 2317-2326	2	27
210	3-Cyclopropyl-1,2-dimethyldiaziridine: synthesis and study of molecular structure by gas electron diffraction method. <i>Structural Chemistry</i> , 2018 , 29, 815-822	1.8	10
209	(3+3)-Annulation of Donor-Acceptor Cyclopropanes with Diaziridines. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 10338-10342	16.4	77
208	3,3'-(Diazene-1,2-diyl)bis[4-(nitroamino)-1,2,5-oxadiazole 2-oxide]. <i>MolBank</i> , 2018 , 2018, M1003	0.5	6
207	Effective synthesis of 7H-1,2,4-triazolo[3,4-b][1,3,4]thiadiazines. <i>Chemistry of Heterocyclic Compounds</i> , 2018 , 54, 669-672	1.4	5
206	Tandem Condensation/Rearrangement Reaction of 2-Aminohetarene N-Oxides for the Synthesis of Hetaryl Carbamates. <i>Advanced Synthesis and Catalysis</i> , 2018 , 360, 3157-3163	5.6	13
205	Eco-friendly N ^{III} coupling of aminofuroxans into azofuroxans under the action of electrogenerated hypohalites. <i>Mendeleev Communications</i> , 2018 , 28, 518-520	1.9	9
204	Regioselective synthesis, structural diversification and cytotoxic activity of (thiazol-4-yl)furoxans. <i>Mendeleev Communications</i> , 2018 , 28, 623-625	1.9	9
203	Synthesis of hybrid structures comprising diaziridine and cyclopropane rings in one molecule. <i>Mendeleev Communications</i> , 2018 , 28, 497-500	1.9	8
202	Anodic corrosion of gold in solutions of diaminoalkanes. <i>Mendeleev Communications</i> , 2018 , 28, 181-183	1.9	8
201	New hybrid furoxan structures with antiaggregant activity. <i>Mendeleev Communications</i> , 2018 , 28, 595-597	1.9	13
200	(3+3)-Annulation of Donor-Acceptor Cyclopropanes with Diaziridines. <i>Angewandte Chemie</i> , 2018 , 130, 10495-10499	3.6	26
199	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. <i>Structural Chemistry</i> , 2017 , 28, 1211-1221	1.8	14
198	Molecular Hybridization Tools in the Development of Furoxan-Based NO-Donor Prodrugs. <i>ChemMedChem</i> , 2017 , 12, 622-638	3.7	54

197	Furoxans fused with heterocycles as promising donors and precursors for nitric oxide donors (microreview). <i>Chemistry of Heterocyclic Compounds</i> , 2017 , 53, 849-851	1.4	12
196	Synthesis, structural characterization and cytotoxic activity of heterocyclic compounds containing the furoxan ring. <i>Arkivoc</i> , 2017 , 2017, 250-268	0.9	17
195	Lewis acid-catalyzed Wolff cyclocondensation in the synthesis of (1H-1,2,3-triazolyl)furoxans. <i>Arkivoc</i> , 2017 , 2017, 140-150	0.9	9
194	Versatile approach to heteroaryl furoxan derivatives from oximinofuroxans via a one-pot, nitration/thermolysis/[3+2]-cycloaddition cascade. <i>Tetrahedron Letters</i> , 2017 , 58, 3993-3997	2	11
193	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. <i>Tetrahedron Letters</i> , 2017 , 58, 3998-4002	2	12
192	Prospective Symbiosis of Green Chemistry and Energetic Materials. <i>ChemSusChem</i> , 2017 , 10, 3914-3946	8.3	62
191	Assembly of Nitrofurazan and Nitrofuroxan Frameworks for High-Performance Energetic Materials. <i>ChemPlusChem</i> , 2017 , 82, 1315-1319	2.8	41
190	Recent advances in synthesis of organic nitrogen-oxygen systems for medicine and materials science. <i>Mendeleev Communications</i> , 2017 , 27, 535-546	1.9	41
189	Advances in the synthesis of non-annelated polynuclear heterocyclic systems comprising the 1,2,5-oxadiazole ring. <i>Russian Chemical Reviews</i> , 2016 , 85, 1097-1145	6.8	59
188	New insight into the antiaggregant activity of furoxans. <i>Mendeleev Communications</i> , 2016 , 26, 513-515	1.9	21
187	Side-chain prototropic tautomerism of 4-hydroxyfuroxans in methylation reactions. <i>Tetrahedron Letters</i> , 2016 , 57, 5685-5689	2	19
186	Anodic dissolution of gold in a solution of 1,3-diaminopropane with the formation of a cathodic deposit and a colloidal solution of Au. <i>Russian Journal of Physical Chemistry A</i> , 2016 , 90, 2312-2315	0.7	8
185	Mechanism of the anodic dissolution of gold in solutions of 6-alkyl-1,5-diazabicyclo[3.1.0]hexanes. <i>Russian Journal of Physical Chemistry A</i> , 2016 , 90, 1903-1908	0.7	7
184	New Method for the Synthesis and Reactivity of (5-R-1,3,4-Oxadiazol-2-yl)furoxans. <i>Journal of Heterocyclic Chemistry</i> , 2016 , 53, 102-108	1.9	16
183	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. <i>RSC Advances</i> , 2016 , 6, 31526-31539	3.7	35
182	Kinetics and mechanism of N-chloromethylamine decomposition in solutions. <i>Russian Journal of Physical Chemistry A</i> , 2016 , 90, 541-544	0.7	
181	An effective one-pot access to polynuclear dispiroheterocyclic structures comprising pyrrolidinylloxindole and imidazothiazolotriazine moieties via a 1,3-dipolar cycloaddition strategy. <i>Beilstein Journal of Organic Chemistry</i> , 2016 , 12, 2240-2249	2.5	12
180	Efficient synthesis of N,N'-methylenebisglycolurils. <i>Mendeleev Communications</i> , 2016 , 26, 136-138	1.9	6

179	Diastereoselective synthesis of 1,3-di- and 1,3,3-trisubstituted diaziridines coupled with neurotransmitter amino acids. <i>Mendeleev Communications</i> , 2016 , 26, 391-394	1.9	11
178	Regioselective synthesis of bifuroxanyl systems with the 3-nitrobifuroxanyl core via a one-pot acylation/nitrosation/cyclization cascade. <i>Tetrahedron Letters</i> , 2016 , 57, 4268-4272	2	34
177	Ionic liquid-mediated synthesis of (1H-1,2,3-triazol-1-yl)furoxans by [3 + 2] cycloaddition of azidofuroxans to acetylenes. <i>Mendeleev Communications</i> , 2015 , 25, 257-259	1.9	25
176	An efficient access to (1H-tetrazol-5-yl)furoxan ammonium salts via a two-step dehydration/[3+2]-cycloaddition strategy. <i>Tetrahedron</i> , 2015 , 71, 6764-6775	2.4	53
175	Synthesis of hetarylsulfanyl- and hetaryloxyfuroxans by nucleophilic substitution of nitro group in nitrofuroxans with heterocyclic thiol and hydroxy derivatives*. <i>Chemistry of Heterocyclic Compounds</i> , 2015 , 51, 176-186	1.4	32
174	Mechanism of the electrochemical dehydrogenation of hexahydropyrimidine on a boron-doped diamond electrode. <i>Russian Journal of Physical Chemistry A</i> , 2015 , 89, 703-705	0.7	
173	Efficient synthesis of tertiary acyclic amides by the Chapman rearrangement of aryl benzimidates in ionic liquids. <i>Mendeleev Communications</i> , 2015 , 25, 126-128	1.9	2
172	CAN-mediated new, regioselective one-pot access to bicyclic cationic structures with 2,3-dihydro-1H-pyrazolo[1,2-a]pyrazol-4-ium core. <i>Tetrahedron</i> , 2015 , 71, 9012-9021	2.4	18
171	Dinitrofuroxan cycloreversion as a novel general approach for the synthesis of nitroazoles. <i>Russian Chemical Bulletin</i> , 2015 , 64, 415-422	1.7	6
170	An effective synthesis of (1H-2,4-triazol-3-yl)furoxans. <i>Chemistry of Heterocyclic Compounds</i> , 2015 , 51, 754-759	1.4	22
169	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. <i>Journal of Physical Chemistry A</i> , 2015 , 119, 10871-81	2.8	25
168	Regio- and stereoselective cycloaddition of stable azomethine imines to (arylmethylidene)malononitriles. <i>Mendeleev Communications</i> , 2015 , 25, 188-190	1.9	10
167	Efficient assembly of mono- and bis(1,2,4-oxadiazol-3-yl)furoxan scaffolds via tandem reactions of furoxanylamidoximes. <i>RSC Advances</i> , 2015 , 5, 47248-47260	3.7	43
166	Novel approaches to pharmacology-oriented and energy rich organic nitrogen-oxygen systems. <i>Mendeleev Communications</i> , 2015 , 25, 399-409	1.9	60
165	Design of hetarylthiofuroxans by nucleophilic substitution of NO ₂ group in nitrofuroxans. <i>Mendeleev Communications</i> , 2015 , 25, 36-38	1.9	26
164	Nucleophilic aromatic cine-substitution of hydrogen: the ionic liquid-promoted von Richter reaction. <i>Mendeleev Communications</i> , 2015 , 25, 41-43	1.9	8
163	Ionic liquid-promoted [3+2]-cycloaddition reactions of nitroformonitrile oxide generated by the cycloreversion of dinitrofuroxan. <i>Tetrahedron Letters</i> , 2014 , 55, 2398-2400	2	26
162	Unusual behavior of benzofuroxans under ESI MS conditions in negative ion mode. <i>Mendeleev Communications</i> , 2014 , 24, 165-166	1.9	6

161	Regioselective synthesis of 2,8-disubstituted 1,5-diphenylglycolurils. <i>Mendeleev Communications</i> , 2014 , 24, 173-175	1.9	8
160	Synthesis and Transformations of Nitrogen Heterocycles in Ionic Liquids (Review). <i>Chemistry of Heterocyclic Compounds</i> , 2014 , 50, 634-646	1.4	12
159	Dinitrogen Trioxide-Mediated Domino Process for the Regioselective Construction of 4-Nitrofuroxans from Acrylic Acids. <i>Heteroatom Chemistry</i> , 2014 , 25, 226-237	1.2	30
158	Potential of YC-1 activation of soluble guanylate cyclase by NO donors and the increase of the synergistic effect of YC-1 on the NO-dependent activation of the enzyme by 1,2,3-triazolyl-1,2,5-oxadiazole derivatives. <i>Biochemistry (Moscow) Supplement Series B: Biomedical Chemistry</i> , 2014 , 8, 27-33	0.4	
157	Synthesis of novel spiro[indole-3,3'-pyrrolidin]-2(1H)-ones. <i>Russian Chemical Bulletin</i> , 2014 , 63, 431-434	1.7	5
156	The study of the formation mechanism of 1,2,3-trialkyldiaziridines by kinetic and quantum chemistry methods. <i>Russian Chemical Bulletin</i> , 2014 , 63, 2000-2006	1.7	2
155	Kinetics and mechanism of the anodic dissolution of gold in solutions of 1,5-diazabicyclo[3.1.0]hexane and its precursors. <i>Russian Journal of Physical Chemistry A</i> , 2014 , 88, 331-337	0.7	11
154	Ionic liquid-promoted stereoselective [3 + 2] cycloaddition of 1-hetaryl-2-nitroethenes to azomethine imines generated in situ. <i>Mendeleev Communications</i> , 2013 , 23, 206-208	1.9	8
153	The First Synthesis of Furoxan and 1,3,4-Oxadiazole Ring Ensembles. <i>Journal of Heterocyclic Chemistry</i> , 2013 , 50, 135-140	1.9	13
152	Unexpected regioselectivities of [3 + 2] cycloaddition of azomethine imines to acrylonitrile and 4-nitrophenyl vinyl sulfone. <i>Mendeleev Communications</i> , 2013 , 23, 271-273	1.9	17
151	Synthesis and antineoplastic properties of (1-1,2,3-triazol-1-yl)furazans. <i>Russian Chemical Bulletin</i> , 2013 , 62, 836-843	1.7	3
150	Generation and metathesis of azomethine imines in reaction of 6-aryl-1,5-diazabicyclo[3.1.0]hexanes with het(aryl)methylenemalononitriles. <i>Russian Chemical Bulletin</i> , 2013 , 62, 1066-1075	1.7	11
149	Base-induced rearrangement of 4-amidino-3-R-furoxans into 1-substituted 3-(1-nitroalkyl)-5-R-1H-1,2,4-triazoles. <i>Russian Chemical Bulletin</i> , 2013 , 62, 1238-1243	1.7	2
148	Reaction of 1,2-Dialkyldiaziridines and 1,2,3-Trialkyldiaziridines with Methyl Propiolate in Ionic Liquids and in Organic Solvents. <i>Journal of Heterocyclic Chemistry</i> , 2013 , 50, 326-336	1.9	10
147	Metathesis of Azomethine Imines in Reaction of 6-aryl-1,5-Diazabicyclo[3.1.0]Hexanes with (Het)Arylidenemalononitriles. <i>Mendeleev Communications</i> , 2013 , 23, 34-36	1.9	24
146	Synthesis of 4,4'-bis(dichloroamino)- and 4,4'-bis(chloroamino)-3,3'-azofurazans, the first representatives of dichloroamino- and chloroaminofurazans. <i>Russian Chemical Bulletin</i> , 2013 , 62, 1388-1390	1.7	1
145	Synthesis of N,N'-bis[4-(1H-1,2,3-triazol-1-yl)furazan-3-yl]-methylenediamine derivatives. <i>Russian Chemical Bulletin</i> , 2013 , 62, 1391-1394	1.7	1
144	Advances in the chemistry of monocyclic amino- and nitrofuroxans. <i>Russian Chemical Reviews</i> , 2013 , 82, 1007-1033	6.8	36

- 143 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
- 142 Reactions of furoxanyl and furazanyl diazonium salts with NaNO₂ in weakly acidic medium, a new approach to the preparation of nitrofuroxans and nitrofurazans. *Russian Chemical Bulletin*, **2012**, 61, 472-475 1.7 6
- 141 Diaminofuroxan: Synthetic Approaches and Computer-Aided Study of Thermodynamic Stability. *Propellants, Explosives, Pyrotechnics*, **2012**, 37, 549-557 1.7 8
- 140 Ionic Liquids-assisted Synthesis of 3,4-Dihydroisoquinolines by the Bishler-Napieralski Reaction. *Mendeleev Communications*, **2012**, 22, 267-269 1.9 4
- 139 Kinetic and quantum chemical studies of the mechanism of formation of 1,2-dialkyldiaziridines. *Russian Chemical Bulletin*, **2012**, 61, 1121-1127 1.7
- 138 Synthesis and nitration of 3-R-4-(2,2,2-trinitroethyl)aminofuroxans. *Russian Chemical Bulletin*, **2012**, 61, 1575-1581 1.7 9
- 137 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
- 136 Transformations of diaziridines and their fused analogues induced by electrophilic reagents. *Russian Chemical Reviews*, **2011**, 80, 1035-1066 6.8 36
- 135 Ionic Liquids as Advanced Reaction Media for Organic Synthesis. *Phosphorus, Sulfur and Silicon and the Related Elements*, **2011**, 186, 1205-1216 1 9
- 134 Synthesis of 5-alkyl-2-amino-1,3,4-thiadiazoles and 1,1-bis(2-amino-1,3,4-thiadiazol-5-yl)alkanes in ionic liquids. *Mendeleev Communications*, **2011**, 21, 331-333 1.9 10
- 133 Ionic liquid-assisted synthesis of 5-mono- and 1,5-disubstituted tetrazoles. *Mendeleev Communications*, **2011**, 21, 334-336 1.9 14
- 132 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, 1561-1571 0.7 8
- 131 Thioureidoalkylation of functionally substituted ureas: II. Synthesis of thio analogs of N-hydroxyalkyl-1,5-diphenylglycolurils. *Russian Journal of Organic Chemistry*, **2011**, 47, 1572-1575 0.7 3
- 130 Synthesis of isomeric 1,3- and 1,4-bis[3(4)-nitrofuroxan-4(3)-yl]nitrobenzenes by nitration of the corresponding isomeric 1,3- and 1,4-bis[3(4)-nitrofuroxan-4(3)-yl]benzenes. *Russian Chemical Bulletin*, **2011**, 60, 339-344 1.7 6
- 129 A study of the reaction mechanism of 3-nitro-4-R-furoxans formation by nitrosation of dipotassium salts of 1-hydroxyimino-2,2-dinitro-1-R-ethanes. *Russian Chemical Bulletin*, **2011**, 60, 855-860 1.7 6
- 128 Henry and Mannich reactions of polynitroalkanes in ionic liquids. *Mendeleev Communications*, **2011**, 21, 21-23 1.9 23
- 127 Reactions of carbon acids and 1,3-dipoles in the presence of ionic liquids. *Russian Chemical Reviews*, **2010**, 79, 543-583 6.8 34
- 126 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

125	4,5-Dihydroxyimidazolidin-2-ones in the ureidoalkylation of N-carboxyalkyl-, N-hydroxyalkyl-, and N-(aminoalkyl)ureas 4.* Ureidoalkylation of N-(2-acetylaminethyl)ureas. <i>Russian Chemical Bulletin</i> , 2010 , 59, 642-646	1.7	6
124	Synthesis of 1-mono- and 1,2-bisacylpyrazolidines and 1-arylsulfonylpyrazolines. <i>Russian Chemical Bulletin</i> , 2010 , 59, 1419-1426	1.7	
123	4,5-Dihydroxyimidazolidin-2-ones in the reaction of ureidoalkylation of N-(carboxyalkyl)-, N-(hydroxyalkyl)-, and N-(aminoalkyl)ureas. <i>Russian Chemical Bulletin</i> , 2010 , 59, 1427-1432	1.7	5
122	Reaction of 1-arylmethylidenepyrazolidin-1-azomethine imines with aryl ketenes. <i>Russian Chemical Bulletin</i> , 2010 , 59, 1433-1441	1.7	4
121	Diaziridine ring expansion in 6-aryl-1,5-diazabicyclo[3.1.0]hexanes upon reactions with activated olefins in ionic liquids. <i>Russian Chemical Bulletin</i> , 2010 , 59, 1621-1630	1.7	7
120	Synthesis and nitration of N,N'-bis(3-R-furoxan-4-yl)methylenediamines. <i>Russian Chemical Bulletin</i> , 2010 , 59, 2108-2113	1.7	9
119	The first example of the Schmidt reaction in ionic liquids. <i>Mendeleev Communications</i> , 2010 , 20, 335-336	1.9	9
118	A new reaction of 1,2-di- and 1,2,3-trialkyldiaziridines: Ring expansion under the action of diethyl acetylenedicarboxylate in ionic liquids. <i>Journal of Heterocyclic Chemistry</i> , 2009 , 46, 1195-1202	1.9	15
117	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. <i>Mendeleev Communications</i> , 2009 , 19, 217-219	1.9	11
116	First synthesis of 1,5-diazabicyclo[3.1.0]hexane complexes with cadmium salts. <i>Russian Chemical Bulletin</i> , 2009 , 58, 1002-1006	1.7	3
115	4,5-Dihydroxyimidazolidin-2-ones in the ureidoalkylation of N-carboxy-, N-hydroxy-, and N-aminoalkylureas 2. Ureidoalkylation of N-(hydroxyalkyl)ureas. <i>Russian Chemical Bulletin</i> , 2009 , 58, 1264-1269	1.7	5
114	Thioureidoalkylation of urea heteroanalogs. <i>Russian Chemical Bulletin</i> , 2009 , 58, 1945-1954	1.7	11
113	Thermal decomposition of 1,3,3-trinitroazetidine in the gas phase, solution, and melt. <i>Russian Chemical Bulletin</i> , 2009 , 58, 2028-2034	1.7	3
112	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. <i>Russian Chemical Bulletin</i> , 2009 , 58, 2137-2146	1.7	15
111	4,5-Dihydroxyimidazolidin-2-ones in an ureidoalkylation reaction of N-(carboxyalkyl)-, N-(hydroxyalkyl)-, and N-(aminoalkyl)ureas 3. Ureidoalkylation of N-[2-(dimethylamino)ethyl]urea. <i>Russian Chemical Bulletin</i> , 2009 , 58, 2488-2493	1.7	6
110	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 BF ₃ · Et ₂ O. <i>Russian Chemical Bulletin</i> , 2009 , 58, 366-379	1.7	13
109	4,5-Dihydroxyimidazolidin-2-ones in the ureidoalkylation reaction of N-(carboxyalkyl)-, N-(hydroxyalkyl)-, and N-(aminoalkyl)ureas 1. Ureidoalkylation of N-(carboxyalkyl)ureas. <i>Russian Chemical Bulletin</i> , 2009 , 58, 395-405	1.7	5
108	An unexpected transformation of 3,4-bis(isocyanato)furoxan into 3,3-bis(1,2,4-oxadiazol-5-one). <i>Mendeleev Communications</i> , 2009 , 19, 144-146	1.9	14

107	Ionic-liquids-assisted reaction of 6-aryl-1,5-diazabicyclo[3.1.0]hexanes with β -nitrostyrenes. <i>Mendeleev Communications</i> , 2009 , 19, 276-278	1.9	20
106	3,3?-bi(6,8-dialkyl-2,4-dioxo-7-thia-6,8-diazabicyclo[3.3.0]-octane-7,7-dioxides): Structure and synthesis. <i>Russian Journal of Organic Chemistry</i> , 2009 , 45, 248-255	0.7	2
105	Synthesis of monocyclic diaziridines and their fused derivatives. <i>Arkivoc</i> , 2009 , 2008, 128-152	0.9	34
104	Molecular structure of 1,5-diazabicyclo[3.1.0]hexane as determined by gas electron diffraction and quantum-chemical calculations. <i>Journal of Physical Chemistry A</i> , 2008 , 112, 5243-50	2.8	17
103	New generation of enantiomerically pure N- β -carboxyalkylglycolurils. <i>Mendeleev Communications</i> , 2008 , 18, 96-98	1.9	2
102	Complexes of β -bis(3,3-dialkyldiaziridin-1-yl)alkanes and their bis(2-arylcarbamoyl) derivatives with cadmium and nickel salts. <i>Russian Chemical Bulletin</i> , 2008 , 57, 56-62	1.7	3
101	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. <i>Russian Chemical Bulletin</i> , 2008 , 57, 644-651	1.7	17
100	Synthesis and structures of 5(3H)-oxotetrahydro-1H-imidazo[4,5-c][1,2,5]thiadiazole 2,2-dioxides. <i>Russian Chemical Bulletin</i> , 2008 , 57, 1744-1753	1.7	5
99	Glycolurils in β -ureido- and β -aminoalkylation reactions. <i>Russian Chemical Bulletin</i> , 2008 , 57, 1760-1764	1.7	6
98	High pressure-assisted synthesis of 1,2,3-trialkyldiaziridines from N-chloroalkylamines. <i>Journal of Heterocyclic Chemistry</i> , 2008 , 45, 497-502	1.9	5
97	Insertion of carbon disulfide into the diaziridine ring of 6-aryl-1,5-diazabicyclo[3.1.0]hexanes assisted by ionic liquids. <i>Mendeleev Communications</i> , 2008 , 18, 42-44	1.9	19
96	Diaziridine ring expansion in 6-aryl-1,5-diazabicyclo[3.1.0]hexanes on treatment with nitriles assisted by ionic liquids. <i>Mendeleev Communications</i> , 2008 , 18, 207-208	1.9	21
95	New simple synthesis of N-acylpyrazolidines and N-arylsulfonyl-2-pyrazolines. <i>Mendeleev Communications</i> , 2007 , 17, 119-121	1.9	7
94	Synthesis of enantiomerically pure fused polyheterocyclic glycolurils based on (S)- β -amino acids. <i>Mendeleev Communications</i> , 2007 , 17, 321-322	1.9	4
93	A gas electron diffraction study of the conformational composition of 1,3,5-trimethyl-1,3,5-triazacyclohexane. <i>Russian Journal of Physical Chemistry A</i> , 2007 , 81, 1639-1644	0.7	4
92	Quantum-chemical investigation of the mechanism of reaction between 1,2-dialkyldiaziridines and heterocumulenes. <i>Russian Journal of Organic Chemistry</i> , 2007 , 43, 1101-1105	0.7	6
91	Two-step β -ureidoalkylation of ureas with 4,5-dihydroxyimidazolidin-2-ones. <i>Russian Chemical Bulletin</i> , 2007 , 56, 148-153	1.7	2
90	Synthesis and structure of 1-[(3,3-dialkyldiaziridin-1-yl)alkyl]-3,3-dialkyldiaziridines. <i>Russian Chemical Bulletin</i> , 2007 , 56, 1550-1554	1.7	9

89	Thermolysis of furoxans annulated with five-membered carbocycles in the presence of dipolarophiles. <i>Russian Chemical Bulletin</i> , 2007 , 56, 1580-1587	1.7	8
88	Glycolurils in β -ureido- and β -aminoalkylation reactions 1. β -ureidoalkylation of sulfamides with N-(hydroxymethyl)glycolurils. <i>Russian Chemical Bulletin</i> , 2007 , 56, 2272-2276	1.7	6
87	Synthesis and structure of 1,3-dialkyl-4-(sulfonylimino)imidazolidin-2-ones. <i>Chemistry of Heterocyclic Compounds</i> , 2007 , 43, 981-988	1.4	1
86	The first conglomerate in the series of 2,4,6,8,10-pentaazatricyclo[5.3.1.0 ^{3.11}]undecane-1,5-diones. <i>Mendeleev Communications</i> , 2007 , 17, 85-87	1.9	1
85	Ring transformation of 1,5-diazabicyclo[3.1.0]hexanes under the action of arylketenes. <i>Journal of Heterocyclic Chemistry</i> , 2006 , 43, 881-888	1.9	21
84	Synthesis of first representatives of 3,3'-bi(6,8-dialkyl-2,4-dioxo-6,8-diazabicyclo[3.3.0]octan-7-ones). <i>Journal of Heterocyclic Chemistry</i> , 2006 , 43, 1295-1302	1.9	9
83	The first synthesis of assemblies of imidazolidine rings by β -ureidoalkylation of imidazolidin-2-one with 4,5-dihydroxyimidazolidin-2-ones. <i>Mendeleev Communications</i> , 2006 , 16, 80-82	1.9	4
82	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. <i>Mendeleev Communications</i> , 2006 , 16, 218-220	1.9	9
81	Thermally induced rearrangement of the arylhydrazones of furoxan-3-yl carbonyl compounds. <i>Mendeleev Communications</i> , 2006 , 16, 259-262	1.9	4
80	Synthesis of 4-aryl-1,2,4-triazolidin-3-ones via ring extension in reactions of 1,2-di- and 1,2,3,3-tetraalkyldiaziridines with aryl isocyanates. <i>Russian Chemical Bulletin</i> , 2006 , 55, 554-558	1.7	6
79	β -ureidoalkylation of thiosemicarbazide and aminoguanidine. <i>Russian Chemical Bulletin</i> , 2006 , 55, 865-872	1.7	7
78	Electrochemical synthesis of pentamethylenediazirine. <i>Russian Chemical Bulletin</i> , 2006 , 55, 2013-2015	1.7	4
77	New method for the synthesis and the mechanism of formation of 1,2-di- and 1,2,3-trialkyldiaziridines. <i>Russian Chemical Bulletin</i> , 2006 , 55, 2056-2060	1.7	4
76	Reaction of N-alkylglycolurils with electrophilic reagents. <i>Chemistry of Heterocyclic Compounds</i> , 2006 , 42, 365-376	1.4	9
75	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. <i>Mendeleev Communications</i> , 2005 , 15, 29-31	1.9	17
74	Synthesis of (S)-N-hydantoinoalkylglycoluriles by one-pot double cyclisation of chiral β -ureido acids under the action of 4,5-dihydroxyimidazolidin-2-ones. <i>Mendeleev Communications</i> , 2005 , 15, 67-69	1.9	1
73	Syntheses of 1,2-di- and 1,2,3-trialkyldiaziridines. <i>Mendeleev Communications</i> , 2005 , 15, 116-118	1.9	3
72	Synthesis of new chiral mono-, di-, tri-, and tetraalkylglycolurils. <i>Russian Chemical Bulletin</i> , 2005 , 54, 691-704	1.9	29

71	Reaction of 1,2-dialkyldiaziridines with ketenes as a new approach to cyclic and linear systems containing the NCCN fragment. <i>Russian Chemical Bulletin</i> , 2005 , 54, 1021-1031	1.7	10
70	Synthesis of N-trinitroethyl derivatives of linear and heterocyclic nitrogen-containing compounds. <i>Russian Chemical Bulletin</i> , 2005 , 54, 1346-1349	1.7	17
69	New conglomerate in the series of glycoluriles. <i>Mendeleev Communications</i> , 2004 , 14, 105-107	1.9	19
68	Synthesis of 1S,5R- and 1R,5S-glycoluriles by diastereospecific Eidealkylation of (S)/(R)-N-carbamoyl- α -amino acids with 4,5-dihydroxyimidazolidin-2-one. <i>Mendeleev Communications</i> , 2004 , 14, 253-255	1.9	11
67	1,2-Bis(methylamino)ethane-1,2-diol dihydrochloride as a new precursor of 1,2,1'',2''-tetramethyl-3,3''-bidiaziridine. <i>Russian Chemical Bulletin</i> , 2004 , 53, 641-646	1.7	2
66	Monocyclic and cascade rearrangements of furoxans. <i>Pure and Applied Chemistry</i> , 2004 , 76, 1691-1703	2.1	33
65	Spontaneous resolution in the imidazolidin-2-one series. <i>Mendeleev Communications</i> , 2003 , 13, 114-116	1.9	13
64	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. <i>Russian Chemical Bulletin</i> , 2003 , 52, 665-673	1.7	13
63	Synthesis and cascade rearrangement of 3-arylazo-4-(3-ethoxycarbonylureido)furoxans. <i>Russian Chemical Bulletin</i> , 2003 , 52, 1829-1834	1.7	12
62	Synthesis of furoxan derivatives based on 4-aminofuroxan-3-carboxylic acid azide. <i>Russian Chemical Bulletin</i> , 2003 , 52, 1822-1828	1.7	33
61	Electron Diffraction Study of the Molecular Structure of 6,6'-bis(1,5-Diazabicyclo[3.1.0]hexane). <i>Journal of Structural Chemistry</i> , 2003 , 44, 587-591	0.9	
60	Electron Diffraction Study of the Molecular Structure of 6,6'-Bis(1,5-diazabicyclo[3.1.0]hexane). <i>Journal of Structural Chemistry</i> , 2003 , 44, 779-783	0.9	6
59	Gas-Phase Electron Diffraction and Quantum-Chemical Studies of the Molecular Structure of N,N-dimethyldiaziridine. <i>Journal of Structural Chemistry</i> , 2003 , 44, 784-789	0.9	8
58	Synthesis of 1,3,5-triazabicyclo[3.1.0]hexanes containing the fragments of α -amino acids and their esters at the N(3) atom. <i>Russian Chemical Bulletin</i> , 2003 , 52, 2282-2284	1.7	1
57	Thermal rearrangements of 3-substituted 4-(3-ethoxycarbonylthioureido)-1,2,5-oxadiazole 2-oxides. <i>Mendeleev Communications</i> , 2003 , 13, 188-190	1.9	10
56	An unexpected transformation of 3,4-diacylfuroxans into 3-acyl-4-acylamino-furazans in the reaction with nitriles. <i>Mendeleev Communications</i> , 2003 , 13, 230-232	1.9	10
55	Synthesis of 2-monofunctionalized 2,4,6,8-tetraazabicyclo[3.3.0]octane-3,7-diones. <i>Russian Chemical Bulletin</i> , 2003 , 52, 192-197	1.7	14
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53	A new simple approach to the preparation of imidazo [4,5-e]-1,2,4-triazine derivatives. <i>Mendelev Communications</i> , 2003 , 13, 190-191	1.9	16
52	A new direction of ring expansion of 1,2-dialkyldiaziridines in the reactions with arylketenes. <i>Mendelev Communications</i> , 2003 , 13, 221-223	1.9	22
51	Highly diastereoselective synthesis of 2-monosubstituted 1R,5S(1S,5R)-glycoluriles on the basis of S- and R-N-carbamoyl- α -amino acids. <i>Mendelev Communications</i> , 2003 , 13, 269-271	1.9	12
50	New rearrangement of azofuroxans in an oxidising medium. <i>Mendelev Communications</i> , 2003 , 13, 272-275	1.9	12
49	Photochromic Dihetarylethenes. 12. Synthesis of 5-Alkyl-2-(1,3,4-oxadiazol-2-yl)thiophenes and Their Photochromic Derivatives. <i>Chemistry of Heterocyclic Compounds</i> , 2002 , 38, 165-176	1.4	5
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47	Synthesis of 1-aryl(hetaryl)-1,2,3-triazoles with the use of ionic liquids. <i>Mendelev Communications</i> , 2002 , 12, 83-84	1.9	15
46	Synthesis and structures of 1,1"-dialkyl-3,3"-bidiaziridines. <i>Russian Chemical Bulletin</i> , 2001 , 50, 440-444	1.7	5
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44	3,3Bi(6,8-dialkyl-2,4-dioxa-7-thia-6,8-diazabicyclo[3.3.0]octane 7,7-dioxides) as new heterocyclic system derivatives. <i>Mendelev Communications</i> , 2001 , 11, 138-140	1.9	9
43	The base-induced cascade rearrangement of 4-acetylamino-3-arylo-1,2,5-oxadiazole 2-oxides (furoxans) into 4-acetylamino-2-aryl-5-nitro-2H-1,2,3-triazoles. <i>Mendelev Communications</i> , 2001 , 11, 230-232	1.9	15
42	Monocyclic furazans and furoxans. <i>Advances in Heterocyclic Chemistry</i> , 2001 , 78, 65-188	2.4	85
41	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. <i>British Journal of Pharmacology</i> , 2000 , 129, 1163-77	8.6	37
40	Effective synthesis of 1,2-di-, 1,2,3-tri-, 1,2,3,3-tetraalkyldiaziridines and 1,5-diazabicyclo[3.1.0]hexanes. <i>Mendelev Communications</i> , 2000 , 10, 182-184	1.9	11
39	Synthesis and structures of complexes of N-(2-aminoethyl)diaziridines with transition metal salts. <i>Russian Chemical Bulletin</i> , 2000 , 49, 1882-1886	1.7	7
38	Thermal and base-induced rearrangements of furoxanylketones phenylhydrazones. <i>Mendelev Communications</i> , 2000 , 10, 190-191	1.9	8
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32	Reactions of bromoacetyl derivatives of furoxan and furazan with S-nucleophiles. <i>Russian Chemical Bulletin</i> , 1998 , 47, 139-143	1.7	6
31	3-Alkyldiaziridines and 1,3-dialkyldiaziridines from aliphatic aldoxime-O-sulfonic acid salts. <i>Mendeleev Communications</i> , 1997 , 7, 60-61	1.9	5
30	1-(1-Adamantyl)diaziridine. <i>Russian Chemical Bulletin</i> , 1997 , 46, 828-829	1.7	
29	Synthesis of 3-amino-5-nitrobenzaldehyde oxime and its conversion into 3,4-bis(3-amino-5-nitrophenyl)furoxan and isomeric 3(4)-(3-amino-5-nitrophenyl)-4(3)-nitrofuroxans. <i>Russian Chemical Bulletin</i> , 1997 , 46, 2117-2120	1.7	3
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25	Hydroxyalkyl(benzyl)furozans and hydroxyalkyl(benzyl)furoxans synthesis and reactivity. <i>Russian Chemical Bulletin</i> , 1996 , 45, 1692-1698	1.7	8
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23	Nitroformonitrile oxide. <i>Russian Chemical Bulletin</i> , 1995 , 44, 702-706	1.7	9
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20	Nitroformonitrile Oxide in the Reaction of 1,3-Dipolar Cycloaddition. <i>Mendeleev Communications</i> , 1995 , 5, 231-232	1.9	7
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18	Synthesis of (2-bromo-2-hydroxyiminoacetyl)furazans(or furoxans) and 3,4-bis[furazanoyl(or furoxanoyl)]furoxans. <i>Russian Chemical Bulletin</i> , 1994 , 43, 445-448	1.7	2

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13	Reaction of N ₂ O ₄ with Substituted Dinitromethane Salts as a New Method for the Generation of Nitrile Oxides. <i>Mendeleev Communications</i> , 1992 , 2, 91-93	1.9	14
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10	Synthesis of 1,3-dihalo-1,3-dioximino-2-propanones. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1991 , 40, 438-441		1
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7	Synthesis of isomeric 3-nitro-4-phenylfuroxane and 4-nitro-3-phenylfuroxane. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1982 , 31, 573-576		8
6	Synthesis of diaziridines from oxime esters. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1978 , 27, 1367-1371		1
5	N-nitrosation of secondary amines. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1978 , 27, 198-200		2
4	C-acylation of azlactone ring. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1972 , 21, 349-351		
3	Cyclization of N-acetonylanthranilic acid. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1971 , 20, 2692-2694		1
2	New modification of the Dakin-West reaction. <i>Bulletin of the Academy of Sciences of the USSR Division of Chemical Science</i> , 1968 , 17, 2432-2435		
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