

Aleksandr M Churakov

List of Publications by Year in descending order

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docs citations

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times ranked

489
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#	ARTICLE	IF	CITATIONS
1	Progress in 1,2,3,4-Tetrazine Chemistry. <i>Chemical Reviews</i> , 2004, 104, 2601-2616.	47.7	159
2	Synthesis of Tetrazino[4,3-c]tetrazine 1,3,6,8-tetraoxide (TTTO). <i>Angewandte Chemie - International Edition</i> , 2016, 55, 11472-11475.	13.8	124
3	Novel approaches to pharmacology-oriented and energy rich organic nitrogen-oxygen systems. <i>Mendeleev Communications</i> , 2015, 25, 399-409.	1.6	67
4	Advanced energetic materials: novel strategies and versatile applications. <i>Mendeleev Communications</i> , 2021, 31, 731-749.	1.6	67
5	Synthesis of [1,2,5]Oxadiazolo[3,4-e][1,2,3,4]tetrazine 4,6-Di-N-oxide. <i>Mendeleev Communications</i> , 1995, 5, 227-228.	1.6	61
6	Recent advances in synthesis of organic nitrogen-oxygen systems for medicine and materials science. <i>Mendeleev Communications</i> , 2017, 27, 535-546.	1.6	48
7	The Oxidation of Heterocyclic Amines to Nitro Compounds using Dinitrogen Pentoxide. <i>Mendeleev Communications</i> , 1995, 5, 102-103.	1.6	47
8	Benzo-1,2,3,4-tetrazine 1,3-Dioxides: Synthesis and NMR Study. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 2342.	2.4	46
9	The First Synthesis of 1,2,3,4-Tetrazine-1,3-di-N-oxides. <i>Mendeleev Communications</i> , 1991, 1, 101-103.	1.6	33
10	Synthesis of 1,2,3,4-tetrazine 1,3-dioxides annulated with 1,2,3-triazoles and 1,2,3-triazole 1-oxides. <i>Tetrahedron</i> , 2014, 70, 3018-3022.	1.9	33
11	Synthesis of 1,2,3,4-Tetrazino[5,6-f]benzo-1,2,3,4-tetrazine 1,3,7,9-Tetra-N-oxides. <i>Organic Letters</i> , 1999, 1, 721-724.	4.6	30
12	Toward the Synthesis of Tetrazino[4,3-c]tetrazine 1,3,6,8-tetraoxide (TTTO): An Approach to Nonannulated 1,2,3,4-tetrazine 1,3-dioxides. <i>European Journal of Organic Chemistry</i> , 2015, 2015, 6170-6179.	2.4	29
13	An Energetic (Nitroazoxy)triazolo[1,2,4]triazine. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 4189-4195.	2.4	27
14	Release of Nitrosating Species in the Course of Reduction of Benzo-1,2,3,4-tetrazine 1,3-Dioxides. <i>Organic Letters</i> , 2002, 4, 3227-3229.	4.6	24
15	Generation of oxodiazonium ions 2. Synthesis of benzotetrazine-1,3-dioxides from 2-(tert-butyl-NNO-azoxy)-N-nitroanilines. <i>Russian Chemical Bulletin</i> , 2011, 60, 2040-2045.	1.5	22
16	4-H-[1,2,3]Triazolo[4,5-c][1,2,5]oxadiazole 5-oxide and Its Salts: Promising Multipurpose Energetic Materials. <i>ACS Applied Energy Materials</i> , 2020, 3, 9401-9407.	5.1	22
17	Synthesis of l-aryl-2-nitrodiazene 1-N-oxides. <i>Mendeleev Communications</i> , 1996, 6, 20-22.	1.6	21
18	Synthesis and structures of pyridoannulated 1,2,3,4-tetrazine 1,3-dioxides. <i>Russian Chemical Bulletin</i> , 2004, 53, 2577-2583.	1.5	20

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19	Synthesis of 1H-[1,2,3]triazolo[4,5-e][1,2,3,4]tetrazine 4,6-dioxide and its methyl derivatives. Russian Chemical Bulletin, 2015, 64, 699-703.	1.5	20
20	Ozonation of benztetrazine 1,3-dioxides. Facile synthesis of di(methoxycarbonyl)-1,2,3,4-tetrazine 1,3-dioxide. Tetrahedron Letters, 2015, 56, 5437-5440.	1.4	20
21	Synthesis of Tetrazino-tetrazine 1,3,6,8-tetraoxide (TTTO). Angewandte Chemie, 2016, 128, 11644-11647.	2.0	20
22	Synthesis of New Energetic Materials Based on Furazan Rings and Nitro-azoxy Groups. ChemistrySelect, 2020, 5, 12243-12249.	1.5	19
23	Nucleophilic Aromatic Substitution of Hydrogen in the Reaction of tert-Alkylamines with Nitrosobenzenes – Synthesis and NMR Study of N-(tert-Alkyl)-ortho-nitrosoanilines. European Journal of Organic Chemistry, 1999, 1999, 29-35.	2.4	18
24	Generation of oxidiazonium ions 1. Synthesis of [1,2,5]oxadiazolo[3,4-c]cinnoline 5-oxides. Russian Chemical Bulletin, 2011, 60, 536-547.	1.5	18
25	Synthesis of 1,2,3,4-Tetrazine 1,3-Dioxides Annulated with 1,3,4,6-Tetraazapentalene Systems. Asian Journal of Organic Chemistry, 2018, 7, 2534-2543.	2.7	18
26	A synthesis of 1-hydroxybenzo-1,2,3-triazole 3-oxide. Tetrahedron, 1995, 51, 6775-6782.	1.9	16
27	Amino(tert-butyl-NNO-azoxy)furoxans: synthesis, isomerization, and rearrangement of N-acetyl derivatives. Russian Chemical Bulletin, 2013, 62, 117-122.	1.5	16
28	Synthesis, Structure and Transformations of the First 1,2,3,4-Tetrazine-1-N-oxide. Mendeleev Communications, 1994, 4, 122-124.	1.6	15
29	Synthesis of 4H-[1,2,3]triazolo[4,5-c][1,2,5]oxadiazole 5-oxide and its N- and O-alkyl derivatives. Tetrahedron Letters, 1996, 37, 8577-8580.	1.4	15
30	Synthesis of first nonannulated 1,2,3,4-tetrazine 1,3-dioxides. Russian Chemical Bulletin, 2006, 55, 1648-1653.	1.5	15
31	Synthesis of 1,2,3,4-Tetrazine 1,3-Dioxides Annulated with 1(2)-Aryl-1,2,3-Triazoles. European Journal of Organic Chemistry, 2017, 2017, 4963-4971.	2.4	15
32	Nucleophilic substitution in benzo-1,2,3,4-tetrazine 1,3-dioxides. Russian Chemical Bulletin, 2002, 51, 1849-1856.	1.5	14
33	Synthesis of 5-amino-6-(nitro-NNO-azoxy)-1,2,3,4-tetrazine 1,3-dioxide. Russian Chemical Bulletin, 2019, 68, 1798-1800.	1.5	14
34	[(3-Nitro-1H-1,2,4-triazol-1-yl)-NNO-azoxy]furazans: energetic materials containing an N(O)-N fragment. RSC Advances, 2021, 11, 24013-24021.	3.6	14
35	Benzo-1,2,3,4-tetrazine 1,3-dioxides annulated with tetraazapentalenes. Russian Chemical Bulletin, 2008, 57, 193-196.	1.5	13
36	2-Alkyl-4-amino-5-(tert-butyl-NNO-azoxy)-2H-1,2,3-triazole 1-oxides: synthesis and reduction. Russian Chemical Bulletin, 2014, 63, 123-129.	1.5	13

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37	Serendipitous Synthesis of (<i>tert</i> -Butyl- <i>NNO</i> -azoxy)acetonitrile: Reduction of an Oxime Moiety to a Methylene Unit. <i>European Journal of Organic Chemistry</i> , 2016, 2016, 3845-3855.	2.4	13
38	Synthesis of 5-amino-6-nitro-1,2,3,4-tetrazine 1,3-dioxide. <i>Russian Chemical Bulletin</i> , 2016, 65, 2763-2765.	1.5	13
39	Benzo-1,2,3,4-tetrazine 1,3-dioxides annulated with tetraazapentalene systems. <i>Russian Chemical Bulletin</i> , 2008, 57, 2180-2184.	1.5	12
40	Generation of oxidiazonium ions 3. Synthesis of [1,2,5]oxadiazolo[3,4-c]cinnoline-1,5-dioxides. <i>Russian Chemical Bulletin</i> , 2011, 60, 2046-2050.	1.5	12
41	Novel energetic aminofurazans with a nitro- <i>NNO</i> -azoxy group. <i>Mendeleev Communications</i> , 2021, 31, 789-791.	1.6	12
42	1,2,3,4-Tetrazine 1,3-Di-N-oxides – Novel High Nitrogen Compounds: Vibrational Spectra and Structure. <i>Mendeleev Communications</i> , 1995, 5, 100-102.	1.6	11
43	Benzo-1,2,3,4-tetrazine 1,3-dioxides as new chromophore systems. <i>Mendeleev Communications</i> , 1997, 7, 174-175.	1.6	10
44	A new approach to synthesis of 1-aryl-2-nitrozodiazene 1-N-oxides. <i>Russian Chemical Bulletin</i> , 1997, 46, 1042-1043.	1.5	10
45	First Synthesis of Aliphatic Nitro- <i>NNO</i> -azoxy Compounds. <i>European Journal of Organic Chemistry</i> , 2019, 2019, 91-94.	2.4	10
46	Nitration and bromination of benzo-1,2,3,4-tetrazine 1,3-dioxides. <i>Russian Chemical Bulletin</i> , 2002, 51, 1841-1848.	1.5	9
47	2-Alkyl-1,2,3,4-benzotetrazinium Tetrafluoroborates: Their Reaction with Nucleophiles. <i>European Journal of Organic Chemistry</i> , 2004, 2004, 4794-4801.	2.4	9
48	Generation of oxidiazonium ions 4. Nitramine O-alkyl derivatives in the synthesis of benzotetrazine-1,3-dioxides. <i>Russian Chemical Bulletin</i> , 2011, 60, 2051-2056.	1.5	9
49	2-Alkyl-1,2,3,4-benzotetrazinium Salts: Synthesis and NMR Studies of the Novel 2-Alkyl-1,2,3,4-tetrazinium/ortho-(Alkylazo)diazonium Equilibrium. <i>European Journal of Organic Chemistry</i> , 2002, 2002, 3821-3826.	2.4	8
50	Benzo-1,2,3,4-tetrazine 1,3-dioxides annulated with tetraazapentalene systems 3. Annulation at the C(7)-C(8) bond. <i>Russian Chemical Bulletin</i> , 2009, 58, 212-215.	1.5	8
51	Oxidiazonium ion generation 5. 3-(N-Nitroamino)-4-phenylfuroxan: synthesis and reactivity. <i>Russian Chemical Bulletin</i> , 2012, 61, 351-354.	1.5	8
52	Annulated benzotetrazine 1,3-dioxides 2.* [1,2,5]Oxadiazolo[3,4-f][1,2,3,4]benzotetrazine 1,3,7-trioxide. <i>Russian Chemical Bulletin</i> , 2006, 55, 351-356.	1.5	7
53	Synthesis and properties of novel energetic (cyano- <i>NNO</i> -azoxy)furazans. <i>Mendeleev Communications</i> , 2021, 31, 792-794.	1.6	7
54	Synthesis of 1,2,3,4-tetrazino[5,6-g]benzo-1,2,3,4-tetrazine 1,3,7,9-tetraoxides. <i>Russian Chemical Bulletin</i> , 2006, 55, 1654-1658.	1.5	6

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55	Annulated benzotetrazine 1,3-dioxides 1. [1,2,5]Oxadiazolo[3,4-f][1,2,3,4]benzotetrazine 2,4,7-and 2,4,9-trioxides. Russian Chemical Bulletin, 2006, 55, 137-140.	1.5	5
56	An unusual cascade of S N reactions of benzotetrazine 1,3-dioxide derivatives. Russian Chemical Bulletin, 2009, 58, 361-365.	1.5	5
57	Synthesis and properties of N-nitro-O-(4-nitrophenyl)hydroxylamine. Russian Chemical Bulletin, 2009, 58, 2047-2057.	1.5	4
58	Synthesis, structure, and properties of N-(nitramino)phthalimide. Russian Chemical Bulletin, 2008, 57, 638-643.	1.5	3
59	Synthesis of first representatives of 5-diazo-1,2,3-triazol-4-ones. Russian Chemical Bulletin, 2015, 64, 2970-2972.	1.5	3
60	Synthesis of N-nitro-N ^ε -(trimethylsilyl)carbodiimide. Russian Chemical Bulletin, 2017, 66, 991-994.	1.5	3
61	Intramolecular interaction between ortho-azido and azoxy groups as a new way of forming a N ^ε N bond. Synthesis of 2-alkylbenzotriazole 1-oxides. Russian Chemical Bulletin, 2005, 54, 1013-1020.	1.5	2
62	Reaction of N-nitro-O-(4-nitrophenyl)hydroxylamine with phosphorus pentoxide in the presence of nitriles. New method for the generation of aryloxenium ion. Russian Chemical Bulletin, 2011, 60, 2429-2431.	1.5	2
63	Intramolecular Reaction of <i>tert</i> -butyl-NNO-azoxy and Cyano Groups – Novel Synthesis of Pyridazine, 1,2,3-triazepine, and Furan Rings. European Journal of Organic Chemistry, 2018, 2018, 5947-5953.	2.4	2
64	An unusual reduction of azido group accompanied by ring closure to 1,2,3-triazole 3-oxide. Russian Chemical Bulletin, 2019, 68, 191-193.	1.5	2
65	Synthesis and tautomeric transformations of 2-(<i>tert</i> -butyl)-1,2,4-benzotriazine-3(2H)-thiones. Russian Chemical Bulletin, 2006, 55, 1239-1242.	1.5	1
66	The <i>tert</i> -butyl-NNO-azoxy group in the synthesis of 1,2,4-benzotriazin-3(4H)-one 1-oxides. Russian Chemical Bulletin, 2007, 56, 1566-1568.	1.5	1
67	The formation of aryloxenium ion in the reaction of N-nitro-O-(4-nitrophenyl)hydroxylamine with strong acids. Russian Chemical Bulletin, 2011, 60, 2263-2274.	1.5	1
68	Generation of oxidazonium ions 6. Unexpected formation of tetrazole 1-oxides. Russian Chemical Bulletin, 2016, 65, 2682-2685.	1.5	1
69	Synthesis and crystal structure of the first amino-1,3a,4,6a-tetraazapentalenes. Mendeleev Communications, 2020, 30, 139-141.	1.6	1
70	Other Tetrazines and Pentazines. , 2022, , 640-661.		1
71	Progress in 1,2,3,4-Tetrazine Chemistry. ChemInform, 2004, 35, no.	0.0	0
72	Rücktitelbild: Synthesis of Tetrazino ^ε tetrazine 1,3,6,8-tetraoxide (TTTO) (Angew. Chem. 38/2016). Angewandte Chemie, 2016, 128, 11862-11862.	2.0	0