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List of Publications by Year in Descending Order

174 papers	2,913 citations	29 h-index	44 g-index
221 ext. papers	3,594 ext. citations	3.8 avg, IF	5.59 L-index

#	Paper	IF	Citations
174	Development of Biodegradable Delivery Systems Containing Novel 1,2,4-Trioxolane Based on Bacterial Polyhydroxyalkanoates. *Advances in Polymer Technology*, **2022**, 2022, 1-14	1.9	1
173	Radical oxyamination of vinyl azides with N-hydroxyphthalimide under the action of [bis(trifluoroacetoxy)iodo]benzene. *Mendeleev Communications*, **2022**, 32, 167-169	1.9	0
172	FERROTSENNING AYRIM SPIRTLARI SINTEZI **2022**, 1, 25-43		0
171	Carboxylate as a Non-innocent L-Ligand: Computational and Experimental Search for Metal-Bound Carboxylate Radicals. *Organic Letters*, **2022**, 24, 3817-3822	6.2	1
170	Advances of N-Hydroxyphthalimide Esters in Photocatalytic Alkylation Reactions. *Chinese Journal of Organic Chemistry*, **2021**, 41, 4661	3	6
169	Sulfenylation of Indoles Mediated by Iodine and Its Compounds. *ChemistrySelect*, **2021**, 6, 10369-10378	1.8	0
168	Mn(OAc)3-Mediated Sulfonylation of Vinyl Azides Resulting in N-Unsubstituted Enaminosulfones. *ChemistrySelect*, **2021**, 6, 10250-10252	1.8	0
167	Visible-light-induced synthesis of phosphorylated N-heterocycles through proton-coupled electron transfer. *Science China Chemistry*, **2021**, 64, 681-683	7.9	2
166	Marriage of Peroxides and Nitrogen Heterocycles: Selective Three-Component Assembly, Peroxide-Preserving Rearrangement, and Stereoelectronic Source of Unusual Stability of Bridged Azaozonides. *Journal of the American Chemical Society*, **2021**, 143, 6634-6648	16.4	4
165	Oxime-Derived Iminyl Radicals in Selective Processes of Hydrogen Atom Transfer and Addition to Carbon-Carbon Bonds. *Advanced Synthesis and Catalysis*, **2021**, 363, 2502-2528	5.6	24
164	NaSCN/(NH4)2Ce(NO3)6 system in heterocycle thiocyanation: synthesis of novel highly potent broad-spectrum fungicides for crop protection. *Chemistry of Heterocyclic Compounds*, **2021**, 57, 531-537	1.4	0
163	Alkene, Bromide, and ROH—How To Achieve Selectivity? Electrochemical Synthesis of Bromohydrins and Their Ethers. *Advanced Synthesis and Catalysis*, **2021**, 363, 3070-3078	5.6	4
162	Electrochemical Synthesis of Fluorinated Ketones from Enol Acetates and Sodium Perfluoroalkyl Sulfinates. *Organic Letters*, **2021**, 23, 5107-5112	6.2	3
161	Stereoelectronic power of oxygen in control of chemical reactivity: the anomeric effect is not alone. *Chemical Society Reviews*, **2021**, 50, 10253-10345	58.5	28
160	Stable and reactive diacetyliminoxyl radical in oxidative C-O coupling with dicarbonyl compounds and their complexes. *Organic and Biomolecular Chemistry*, **2021**, 19, 7581-7586	3.9	0
159	Photoredox-catalyzed synthesis of N-unsubstituted enaminosulfones from vinyl azides and sulfinates. *Tetrahedron Letters*, **2021**, 64, 152737	2	12
158	Electrosynthesis of N-unsubstituted enaminosulfones from vinyl azides and sodium sulfinates mediated by NH4I. *Tetrahedron Letters*, **2021**, 153436	2	1

157	Mixed hetero-/homogeneous TiO2/N-hydroxyimide photocatalysis in visible-light-induced controllable benzylic oxidation by molecular oxygen. *Chinese Journal of Catalysis*, **2021**, 42, 1700-1711	11.3	4
156	Secosteroidal hydrazides: Promising scaffolds for anti-breast cancer agents. *Journal of Steroid Biochemistry and Molecular Biology*, **2021**, 214, 106000	5.1	1
155	Conjugated nitroxide radicals. *Russian Chemical Reviews*, **2021**, 90,	6.8	4
154	Oxidative □acyloxylation of acetals with cyclic diacyl peroxides. *Organic Chemistry Frontiers*, **2021**, 8, 3091-3101	5.2	2
153	Synthesis of unstrained Criegee intermediates: inverse □effect and other protective stereoelectronic forces can stop Baeyer-Villiger rearrangement of □hydroperoxy-□peroxylactones. *Chemical Science*, **2020**, 11, 5313-5322	9.4	10
152	H2O2/HCl system: Oxidation-chlorination of secondary alcohols to □,□-dichloro ketones. *Tetrahedron Letters*, **2020**, 61, 152154	2	4
151	Oxime radicals: generation, properties and application in organic synthesis. *Beilstein Journal of Organic Chemistry*, **2020**, 16, 1234-1276	2.5	17
150	Radical addition of tetrahydrofuran to imines assisted by tert-butyl hydroperoxide. *Tetrahedron Letters*, **2020**, 61, 152150	2	3
149	Synthetic Peroxides Promote Apoptosis of Cancer Cells by Inhibiting P-Glycoprotein ABCB5. *ChemMedChem*, **2020**, 15, 1118-1127	3.7	15
148	Photoredox-Catalyzed Four-Component Reaction for the Synthesis of Complex Secondary Amines. *Organic Letters*, **2020**, 22, 3318-3322	6.2	18
147	Electrochemically Induced Synthesis of Sulfonylated -Unsubstituted Enamines from Vinyl Azides and Sulfonyl Hydrazides. *Organic Letters*, **2020**, 22, 1818-1824	6.2	33
146	Cyclic Synthetic Peroxides Inhibit Growth of Entomopathogenic Fungus without Toxic Effect on Bumblebees. *Molecules*, **2020**, 25,	4.8	8
145	Metal-Free Cross-Dehydrogenative C-O Coupling of Carbonyl Compounds with -Hydroxyimides: Unexpected Selective Behavior of Highly Reactive Free Radicals at an Elevated Temperature. *Journal of Organic Chemistry*, **2020**, 85, 1935-1947	4.2	5
144	Regioselective Baeyer□Villiger Oxidation of Steroidal Ketones to Lactones Using BF3/H2O2. *European Journal of Organic Chemistry*, **2020**, 2020, 402-405	3.2	6
143	Catalyst Development for the Synthesis of Ozonides and Tetraoxanes Under Heterogeneous Conditions: Disclosure of an Unprecedented Class of Fungicides for Agricultural Application. *Chemistry - A European Journal*, **2020**, 26, 4734-4751	4.8	16
142	Convenient synthesis of furo[2,3-c][1,2]dioxoles from 1-aryl-2-allylalkane-1,3-diones. *Mendeleev Communications*, **2020**, 30, 607-609	1.9	0
141	Cerium(IV) ammonium nitrate promoted synthesis of O-phthalimide oximes from vinyl azides and N-hydroxyphthalimide. *Tetrahedron Letters*, **2020**, 61, 152533	2	4
140	Electrochemical Synthesis of O-Phthalimide Oximes from □Azido Styrenes via Radical Sequence: Generation, Addition and Recombination of Imide-N-Oxyl and Iminyl Radicals with C□O/N□O Bonds Formation. *Advanced Synthesis and Catalysis*, **2020**, 362, 3864-3871	5.6	16

139	How to Build Rigid Oxygen-Rich Tricyclic Heterocycles from Triketones and Hydrogen Peroxide: Control of Dynamic Covalent Chemistry with Inverse Effect. *Journal of the American Chemical Society*, **2020**, 142, 14588-14607	16.4	11
138	Oxidative Sulfonylation of Multiple Carbon-Carbon bonds with Sulfonyl Hydrazides, Sulfinic Acids and their Salts. *Advanced Synthesis and Catalysis*, **2020**, 362, 4579-4654	5.6	33
137	Ion exchange resin-catalyzed synthesis of bridged tetraoxanes possessing in vitro cytotoxicity against HeLa cancer cells. *Chemistry of Heterocyclic Compounds*, **2020**, 56, 722-726	1.4	6
136	Ammonium iodide-mediated electrosynthesis of unsymmetrical thiosulfonates from arenesulfonohydrazides and thiols. *Mendeleev Communications*, **2019**, 29, 80-82	1.9	11
135	Oxidative CD coupling as a new idea in the lick-like chemistry malonyl peroxides for the conjugation of two molecules. *Mendeleev Communications*, **2019**, 29, 132-134	1.9	1
134	Electrochemically induced oxidative S-O coupling: synthesis of sulfonates from sulfonyl hydrazides and N-hydroxyimides or N-hydroxybenzotriazoles. *Organic and Biomolecular Chemistry*, **2019**, 17, 3482-3488	2.9	12
133	Cerium(IV) ammonium nitrate: Reagent for the versatile oxidative functionalization of styrenes using N-hydroxyphthalimide. *Tetrahedron*, **2019**, 75, 2529-2537	2.4	13
132	Mild Nitration of Pyrazolin-5-ones by a Combination of Fe(NO) and NaNO : Discovery of a New Readily Available Class of Fungicides, 4-Nitropyrazolin-5-ones. *Chemistry - A European Journal*, **2019**, 25, 5922-5933	4.8	10
131	Hydroperoxy steroids and triterpenoids derived from plant and fungi: Origin, structures and biological activities. *Journal of Steroid Biochemistry and Molecular Biology*, **2019**, 190, 76-87	5.1	16
130	Naturally occurring of diepoxy-containing compounds: origin, structures, and biological activities. *Applied Microbiology and Biotechnology*, **2019**, 103, 3249-3264	5.7	7
129	Highly oxygenated isoprenoid lipids derived from terrestrial and aquatic sources: Origin, structures and biological activities. *Vietnam Journal of Chemistry*, **2019**, 57, 1-15	0.8	4
128	Switching of Sulfonylation Selectivity by Nature of Solvent and Temperature: The Reaction of Dicarbonyl Compounds with Sodium Sulfinates under the Action of Iron-Based Oxidants. *European Journal of Organic Chemistry*, **2019**, 2019, 4179-4188	3.2	14
127	CD coupling of Malonyl Peroxides with Enol Ethers via [5+2] Cycloaddition: Non-Rubottom Oxidation. *Advanced Synthesis and Catalysis*, **2019**, 361, 3173-3181	5.6	8
126	Selective synthesis of cyclic triperoxides from 1,1?-dihydroperoxydi(cycloalkyl)peroxides and acetals using SnCl4. *Russian Chemical Bulletin*, **2019**, 68, 1289-1292	1.7	8
125	Peroxycarbenium Ions as the "Gatekeepers" in Reaction Design: Assistance from Inverse Alpha-Effect in Three-Component Alkoxy-peroxylactones Synthesis. *Chemistry - A European Journal*, **2019**, 25, 14460-14468	4.8	9
124	Bioactive Natural and Synthetic Peroxides for the Treatment of Helminth and Protozoan Pathogens: Synthesis and Properties. *Current Topics in Medicinal Chemistry*, **2019**, 19, 1201-1225	3	3
123	Kharasch reaction: Cu-catalyzed and non-Kharasch metal-free peroxidation of barbituric acids. *Tetrahedron Letters*, **2019**, 60, 920-924	2	4
122	Solvent-free silica gel mediated decarboxylation of CD coupling products of diketones and oxo esters with malonyl peroxides. *Mendeleev Communications*, **2019**, 29, 55-56	1.9	0

121	Chemiluminescence in the reaction of 1,2,4,5-tetraoxanes with ferrous ions in the presence of xanthene dyes: fundamentals and perspectives of analytical applications. *Photochemical and Photobiological Sciences*, **2019**, 18, 1130-1137	4.2	1
120	Oxetane-containing metabolites: origin, structures, and biological activities. *Applied Microbiology and Biotechnology*, **2019**, 103, 2449-2467	5.7	14
119	Electrochemically Induced Intermolecular Cross-Dehydrogenative C-O Coupling of Diketones and Ketoesters with Carboxylic Acids. *Journal of Organic Chemistry*, **2019**, 84, 1448-1460	4.2	22
118	Hydroperoxides derived from marine sources: origin and biological activities. *Applied Microbiology and Biotechnology*, **2019**, 103, 1627-1642	5.7	6
117	Novel Peroxides as Promising Anticancer Agents with Unexpected Depressed Antimalarial Activity. *ChemMedChem*, **2018**, 13, 902-908	3.7	29
116	Interrupted BaeyerVilliger Rearrangement: Building A Stereoelectronic Trap for the Criegee Intermediate. *Angewandte Chemie*, **2018**, 130, 3430-3434	3.6	15
115	Iminoxyl radicals -butylperoxyl radical in competitive oxidative C-O coupling with dicarbonyl compounds. Oxime ether formation prevails over Kharasch peroxidation.. *RSC Advances*, **2018**, 8, 5670-5677	3.7	13
114	Interrupted Baeyer-Villiger Rearrangement: Building A Stereoelectronic Trap for the Criegee Intermediate. *Angewandte Chemie - International Edition*, **2018**, 57, 3372-3376	16.4	51
113	Ozone-Free Synthesis of Ozonides: Assembling Bicyclic Structures from 1,5-Diketones and Hydrogen Peroxide. *Journal of Organic Chemistry*, **2018**, 83, 4402-4426	4.2	29
112	Silica gel mediated oxidative CO coupling of dicarbonyl compounds with malonyl peroxides in solvent-free conditions. *Pure and Applied Chemistry*, **2018**, 90, 7-20	2.1	11
111	Similar nature leads to improved properties: cyclic organosilicon triperoxides as promising curing agents for liquid polysiloxanes. *New Journal of Chemistry*, **2018**, 42, 15006-15013	3.6	10
110	Peroxy steroids derived from plant and fungi and their biological activities. *Applied Microbiology and Biotechnology*, **2018**, 102, 7657-7667	5.7	18
109	A HO/HBr system - several directions but one choice: oxidation-bromination of secondary alcohols into mono- or dibromo ketones.. *RSC Advances*, **2018**, 8, 28632-28636	3.7	4
108	Hypervalent iodine compounds for anti-Markovnikov-type iodo-oxyimidation of vinylarenes. *Beilstein Journal of Organic Chemistry*, **2018**, 14, 2146-2155	2.5	11
107	Synthesis and biological activities of organoaluminum steroids. *Vietnam Journal of Chemistry*, **2018**, 56, 661-666	0.8	1
106	Dimethylmalonoyl peroxide the neglected lowest homologue: simple synthesis and high reactivity. *Mendeleev Communications*, **2018**, 28, 505-507	1.9	2
105	Five Roads That Converge at the Cyclic Peroxy-Criegee Intermediates: BF-Catalyzed Synthesis of Hydroperoxy-peroxylactones. *Journal of Organic Chemistry*, **2018**, 83, 13427-13445	4.2	17
104	Oxidative Coupling with SN Bond Formation. *European Journal of Organic Chemistry*, **2018**, 2018, 4648-4672	3.2	45

103	Selective Oxidative Coupling of 3H-Pyrazol-3-ones, Isoxazol-5(2H)-ones, Pyrazolidine-3,5-diones, and Barbituric Acids with Malonyl Peroxides: An Effective C-O Functionalization. *ChemistrySelect*, **2017**, 2, 3334-3341	1.8	15
102	Adsorption of ethyl benzoate on activated carbon. *Solid Fuel Chemistry*, **2017**, 51, 44-47	0.7	0
101	Stereoelectronic Control in the Ozone-Free Synthesis of Ozonides. *Angewandte Chemie*, **2017**, 129, 5037-5041	3.6	15
100	Stereoelectronic Control in the Ozone-Free Synthesis of Ozonides. *Angewandte Chemie - International Edition*, **2017**, 56, 4955-4959	16.4	36
99	One-pot oxidative bromination–esterification of aldehydes to 2-bromoesters using cerium (IV) ammonium nitrate and lithium bromide. *Tetrahedron Letters*, **2017**, 58, 352-354	2	9
98	Organic and hybrid systems: from science to practice. *Mendeleev Communications*, **2017**, 27, 425-438	1.9	79
97	Electrosynthesis of vinyl sulfones from alkenes and sulfonyl hydrazides mediated by KI: an electrochemical mechanistic study. *Tetrahedron*, **2017**, 73, 6871-6879	2.4	35
96	Peroxides with Anthelmintic, Antiprotozoal, Fungicidal and Antiviral Bioactivity: Properties, Synthesis and Reactions. *Molecules*, **2017**, 22,	4.8	37
95	Selective cross-dehydrogenative C–O coupling of N-hydroxy compounds with pyrazolones. Introduction of the diacetyliminoxyl radical into the practice of organic synthesis. *Organic Chemistry Frontiers*, **2017**, 4, 1947-1957	5.2	25
94	Chemiluminescence in decomposition of bridged 1,2,4,5-tetraoxanes catalyzed by ferrocene. *Mendeleev Communications*, **2017**, 27, 371-373	1.9	0
93	Electrochemical behavior of N-oxyphthalimides: Cascades initiating self-sustaining catalytic reductive N–O bond cleavage. *Journal of Physical Organic Chemistry*, **2017**, 30, e3744	2.1	21
92	Stereoelectronic Interactions as a Probe for the Existence of the Intramolecular Effect. *Journal of the American Chemical Society*, **2017**, 139, 10799-10813	16.4	53
91	Cyclic peroxides as promising anticancer agents: in vitro cytotoxicity study of synthetic ozonides and tetraoxanes on human prostate cancer cell lines. *Medicinal Chemistry Research*, **2017**, 26, 170-179	2.2	29
90	Electrochemical behavior of phthaloyl peroxide in aqueous media. *Russian Chemical Bulletin*, **2017**, 66, 2044-2047	1.7	1
89	Synthetic Strategies for Peroxide Ring Construction in Artemisinin. *Molecules*, **2017**, 22,	4.8	23
88	Spontaneous reaction of malonyl peroxides with methanol. *Mendeleev Communications*, **2017**, 27, 243-245	1.9	2
87	Electrochemical synthesis of sulfonamides from arenesulfonohydrazides or sodium p-methylbenzenesulfinate and amines. *Mendeleev Communications*, **2016**, 26, 538-539	1.9	18
86	Copper(I)-mediated synthesis of hydroxysulfones from styrenes and sulfonylhydrazides: an electrochemical mechanistic study. *RSC Advances*, **2016**, 6, 93476-93485	3.7	24

85	Adsorption of benzoyl peroxide on activated carbon. *Solid Fuel Chemistry*, **2016**, 50, 306-309	0.7	1
84	Transformation of 2-allyl-1,3-diketones to bicyclic compounds containing 1,2-dioxolane and tetrahydrofuran rings using the I2/H2O2 system. *Tetrahedron Letters*, **2016**, 57, 949-952	2	11
83	Lanthanide-Catalyzed Oxyfunctionalization of 1,3-Diketones, Acetoacetic Esters, And Malonates by Oxidative C-O Coupling with Malonyl Peroxides. *Journal of Organic Chemistry*, **2016**, 81, 810-23	4.2	22
82	Alcoholysis of malonyl peroxides to give peracids. *Mendeleev Communications*, **2016**, 26, 14-15	1.9	6
81	Well-Known Mediators of Selective Oxidation with Unknown Electronic Structure: Metal-Free Generation and EPR Study of Imide-N-oxyl Radicals. *Journal of Physical Chemistry A*, **2016**, 120, 68-73	2.8	14
80	Rearrangements of organic peroxides and related processes. *Beilstein Journal of Organic Chemistry*, **2016**, 12, 1647-748	2.5	115
79	Difference in □-thiocyanation of malonates, □-oxo esters and □-diketones with sodium thiocyanate and cerium(IV) ammonium nitrate. *Mendeleev Communications*, **2016**, 26, 226-227	1.9	5
78	Kinetics and mechanism of the electrochemical reduction of [1,2-bis(tert-butylperoxy)ethyl]benzene under conditions of the in situ recovery of a platinum surface. *Russian Journal of Physical Chemistry A*, **2016**, 90, 475-478	0.7	2
77	Reduction of Organosilicon Peroxides: Ring Contraction and Cyclodimerization. *Organometallics*, **2016**, 35, 1667-1673	3.8	10
76	Selective transformation of tricyclic peroxides with pronounced antischistosomal activity into 2-hydroxy-1,5-diketones using iron (II) salts. *Tetrahedron*, **2016**, 72, 3421-3426	2.4	1
75	Promising hydrogen peroxide stabilizers for large-scale application: unprecedented effect of aryl alkyl ketones. *Mendeleev Communications*, **2016**, 26, 329-331	1.9	2
74	Lanthanide-Catalyzed Oxidative □-Coupling of 1,3-Dicarbonyl Compounds with Diacyl Peroxides. *Synlett*, **2015**, 26, 802-806	2.2	15
73	Organocatalytic peroxidation of malonates, □-ketoesters, and cyanoacetic esters using n-Bu4NI/t-BuOOH-mediated intermolecular oxidative C(sp3)□ coupling. *Tetrahedron*, **2015**, 71, 8985-8990	2.4	10
72	Stereoelectronic source of the anomalous stability of bis-peroxides. *Chemical Science*, **2015**, 6, 6783-6791	9.4	66
71	Manganese triacetate as an efficient catalyst for bisperoxidation of styrenes. *Organic and Biomolecular Chemistry*, **2015**, 13, 1439-45	3.9	28
70	Primary alkanols: oxidative homocondensation in water and cross-condensation in methanol. *Russian Chemical Bulletin*, **2015**, 64, 2845-2850	1.7	1
69	Cross-dehydrogenative coupling for the intermolecular C-O bond formation. *Beilstein Journal of Organic Chemistry*, **2015**, 11, 92-146	2.5	129
68	Synthesis of peroxides from □-triketones under heterogeneous conditions. *Russian Journal of Organic Chemistry*, **2015**, 51, 1681-1687	0.7	13

67	Cobalt-catalyzed bisperoxidation of styrenes. *Russian Chemical Bulletin*, **2015**, 64, 1053-1056	1.7	1
66	Elucidation of the in vitro and in vivo activities of bridged 1,2,4-trioxolanes, bridged 1,2,4,5-tetraoxanes, tricyclic monoperoxides, silyl peroxides, and hydroxylamine derivatives against Schistosoma mansoni. *Bioorganic and Medicinal Chemistry*, **2015**, 23, 5175-81	3.4	30
65	Oxidative C-O coupling of benzylmalononitrile with 3-(hydroxyimino)pentane-2,4-dione. *Russian Journal of Organic Chemistry*, **2015**, 51, 10-13	0.7	7
64	Nature Chooses Rings: Synthesis of Silicon-Containing Macrocyclic Peroxides. *Organometallics*, **2014**, 33, 2230-2246	3.8	24
63	Preparation of a microsized cerium chloride-based catalyst and its application in the Michael addition of □diketones to vinyl ketones. *New Journal of Chemistry*, **2014**, 38, 1493-1502	3.6	8
62	Reactions of mono- and bicyclic enol ethers with the I2□Hydroperoxide system. *RSC Advances*, **2014**, 4, 7579-7587	3.7	10
61	Six Peroxide Groups in One Molecule □Synthesis of Nine-Membered Bicyclic Silyl Peroxides. *European Journal of Organic Chemistry*, **2014**, 2014, 6877-6883	3.2	10
60	Approach for the preparation of various classes of peroxides based on the reaction of triketones with H2O2: first examples of ozonide rearrangements. *Chemistry - A European Journal*, **2014**, 20, 10160-9	4.8	24
59	Iminoxyl Radical-Based Strategy for Intermolecular C?O Bond Formation: Cross-Dehydrogenative Coupling of 1,3-Dicarbonyl Compounds with Oximes. *Advanced Synthesis and Catalysis*, **2014**, 356, 2266-2280	5.6	38
58	Synthesis of five- and six-membered cyclic organic peroxides: Key transformations into peroxide ring-retaining products. *Beilstein Journal of Organic Chemistry*, **2014**, 10, 34-114	2.5	74
57	Oxidative coupling of N-hydroxyphthalimide with toluene. *Russian Journal of General Chemistry*, **2014**, 84, 2084-2087	0.7	6
56	Peroxidation of □diketones and □keto esters with tert-butyl hydroperoxide in the presence of Cu(ClO4)2/SiO2. *Russian Chemical Bulletin*, **2014**, 63, 2461-2466	1.7	9
55	Development of new methods in modern selective organic synthesis: preparation of functionalized molecules with atomic precision. *Russian Chemical Reviews*, **2014**, 83, 885-985	6.8	153
54	A convenient synthesis of cyclopropane malonyl peroxide. *Mendeleev Communications*, **2014**, 24, 345	1.9	12
53	Cyclobutyl- and Cyclobutenylphosphonates: Synthesis, Transformations and Biological Activities. *Mini-Reviews in Organic Chemistry*, **2014**, 11, 445-461	1.7	2
52	Oxidative C?O Cross-Coupling of 1,3-Dicarbonyl Compounds and Their Heteroanalogues with N-Substituted Hydroxamic Acids and N-Hydroxyimides. *Advanced Synthesis and Catalysis*, **2013**, 355, 2375-2390	5.6	31
51	Synthesis and Antifungal Activity of Arylthiocyanates. *Pharmaceutical Chemistry Journal*, **2013**, 47, 422-425	0.9	32
50	Cyclic peroxides and related initiating systems for radical polymerization of methyl methacrylate. *Russian Chemical Bulletin*, **2013**, 62, 1282-1285	1.7	5

49	Phosphomolybdic and phosphotungstic acids as efficient catalysts for the synthesis of bridged 1,2,4,5-tetraoxanes from diketones and hydrogen peroxide. *Organic and Biomolecular Chemistry*, **2013**, 11, 2613-23	3.9	39
48	Boron Trifluoride as an Efficient Catalyst for the Selective Synthesis of Tricyclic Monoperoxides from Triketones and H2O2. *Synthesis*, **2013**, 45, 246-250	2.9	22
47	Chemiluminescence from the biomimetic reaction of 1,2,4-trioxolanes and 1,2,4,5-tetroxanes with ferrous ions. *RSC Advances*, **2012**, 2, 107-110	3.7	12
46	Selective synthesis of cyclic peroxides from triketones and H2O2. *Journal of Organic Chemistry*, **2012**, 77, 1833-42	4.2	34
45	Identification of antischistosomal leads by evaluating bridged 1,2,4,5-tetraoxanes, alphaperoxides, and tricyclic monoperoxides. *Journal of Medicinal Chemistry*, **2012**, 55, 8700-11	8.3	59
44	Generation and cross-coupling of benzyl and phthalimide-N-oxyl radicals in cerium(IV) ammonium nitrate/N-hydroxyphthalimide/ArCH2R system. *Tetrahedron*, **2012**, 68, 10263-10271	2.4	34
43	Synthesis of dibromo ketones by the reaction of the environmentally benign H2O2-HBr system with oximes. *Open Chemistry*, **2012**, 10, 360-367	1.6	4
42	Electrochemical oxidation of 1,1-dihydroxy-4-methylcyclohexane on platinum anode. Synthesis of 3,12-dimethyl-7,8,15,16-tetraoxadispiro[5.2.5.2]hexadecane. *Russian Journal of Electrochemistry*, **2011**, 47, 234-237	1.2	3
41	Selective Synthesis of Unsymmetrical Peroxides: Transition-Metal-Catalyzed Oxidation of Malononitrile and Cyanoacetic Ester Derivatives by tert-Butyl Hydroperoxide at the Position. *Synthesis*, **2011**, 2011, 2091-2100	2.9	21
40	Organosilicon and organogermanium peroxides: synthesis and reactions. *Russian Chemical Reviews*, **2011**, 80, 807-828	6.8	11
39	Oxidation of Substituted Diketones with Hydrogen Peroxide: Synthesis of Esters through the Formation of Bridged 1,2,4,5-Tetraoxanes. *Synthesis*, **2010**, 2010, 1145-1149	2.9	5
38	Synthesis of asymmetric peroxides: transition metal (Cu, Fe, Mn, Co) catalyzed peroxidation of beta-dicarbonyl compounds with tert-butyl hydroperoxide. *Journal of Organic Chemistry*, **2010**, 75, 5065-71	4.2	46
37	Nanocomposites based on polymethylmethacrylate and silica. *Bulletin of the Russian Academy of Sciences: Physics*, **2010**, 74, 1039-1042	0.4	3
36	A new property of geminal bishydroperoxides: Hydrolysis with the removal of hydroperoxide groups to form a ketone. *Russian Journal of General Chemistry*, **2010**, 80, 1667-1671	0.7	4
35	Synthesis and antimicrobial activity of geminal bis-hydroperoxides. *Pharmaceutical Chemistry Journal*, **2010**, 44, 248-250	0.9	6
34	Reaction of Enol Ethers with the I2-H2O2 System: Synthesis of 2-Iodo-1-methoxy Hydroperoxides and Their Deperoxidation and Demethoxylation to 2-Iodo Ketones. *Synthesis*, **2009**, 2009, 4159	2.9	3
33	Synthesis of 1,2,4,5,7,8-hexaoxonanes by iodine-catalyzed reactions of bis(1-hydroperoxycycloalkyl) peroxides with ketals. *Russian Chemical Bulletin*, **2009**, 58, 335-338	1.7	5
32	First synthesis of cyclic organogermanium peroxides, 1,2,4,5,7,8-hexaoxa-3-germonanes. *Journal of Organometallic Chemistry*, **2009**, 694, 1786-1788	2.3	0

31	Facile and selective procedure for the synthesis of bridged 1,2,4,5-tetraoxanes; strong acids as cosolvents and catalysts for addition of hydrogen peroxide to beta-diketones. *Journal of Organic Chemistry*, **2009**, 74, 3335-40	4.2	39
30	Ring contraction of 1,2,4,5,7,8-hexaoxa-3-silonanes by selective reduction of COOSi fragments. Synthesis of new silicon-containing rings, 1,3,5,6-tetraoxa-2-silepanes. *Journal of Organic Chemistry*, **2009**, 74, 1917-22	4.2	10
29	Synthesis of 1-hydroperoxy-1'-alkoxyperoxides by the iodine-catalyzed reactions of geminal bishydroperoxides with acetals or enol ethers. *Organic and Biomolecular Chemistry*, **2008**, 6, 4435-41	3.9	28
28	Synthesis of cyclic peroxides containing the Si-gem-bisperoxide fragment. 1,2,4,5,7,8-Hexaoxa-3-silonanes as a new class of peroxides. *Journal of Organic Chemistry*, **2008**, 73, 3169-74	4.2	30
27	Facile Method for the Synthesis of Vicinal Azidoiodides by the Reaction of the NaN3–I2 System with Unsaturated Compounds. *Synthetic Communications*, **2008**, 38, 3797-3809	1.7	9
26	Oxidation of cycloalkanones with hydrogen peroxide: an alternative route to the Baeyer–Villiger reaction. Synthesis of dicarboxylic acid esters. *Tetrahedron*, **2008**, 64, 7944-7948	2.4	33
25	Oxidation of alkenes with hydrogen peroxide, catalyzed by boron trifluoride. Synthesis of vicinal methoxyalkanols. *Russian Journal of General Chemistry*, **2008**, 78, 592-596	0.7	4
24	Facile Synthesis of E-Diiodoalkenes: H2O2-Activated Reaction of Alkynes with Iodine. *Synthetic Communications*, **2007**, 37, 3151-3164	1.7	16
23	Convenient Synthesis of Geminal Bishydroperoxides by the Reaction of Ketones with Hydrogen Peroxide. *Synthetic Communications*, **2007**, 37, 1281-1287	1.7	57
22	A New Approach to the Synthesis of Vicinal Iodoperoxyalkanes by the Reaction of Alkenes with Iodine and Hydroperoxides. *Synthesis*, **2007**, 2007, 2979-2986	2.9	13
21	New preparation of 1,2,4,5,7,8-hexaoxonanes. *Journal of Organic Chemistry*, **2007**, 72, 7237-43	4.2	35
20	A Convenient Synthesis of 2,2-Dibromo-1-arylethanones by Bromination of 1-Arylethanones with the H2O2-HBr System. *Synthesis*, **2006**, 2006, 1087-1092	2.9	27
19	Chlorination of Oximes with Aqueous H2O2/HCl System: Facile Synthesis of gem-Chloronitroso- and gem-Chloronitroalkanes, gem-Chloronitroso- and gem-Chloronitrocycloalkanes. *Synthesis*, **2006**, 2006, 3819-3824	2.9	21
18	A new oxidation process. Transformation of gem-bishydroperoxides into esters. *Open Chemistry*, **2006**, 4,	1.6	16
17	New transformation of cycloalkanone acetals by peracids—dicarboxylic acids synthesis. *Open Chemistry*, **2005**, 3, 417-431	1.6	5
16	New Preparation of 1,2,4,5-Tetraoxanes.. *ChemInform*, **2005**, 36, no		1
15	Synthesis of 1,1'-bishydroperoxydi(cycloalkyl) peroxides by homocoupling of 11–15-membered gem-bis(hydroperoxy)cycloalkanes in the presence of boron trifluoride. *Russian Chemical Bulletin*, **2005**, 54, 1214-1218	1.7	10
14	Synthesis of Geminal Bisperoxides by Acid-Catalyzed Reaction of Acetals and Enol Ethers with tert-Butyl Hydroperoxide. *Synthesis*, **2005**, 2005, 2215-2219	2.9	29

13	New Preparation of 1,2,4,5-Tetraoxanes. *Synthesis*, **2004**, 2004, 2356-2366	2.9	5
12	A Convenient and Efficient Synthesis of 1-Aryl-2,2-dichloroethanones. *Synthesis*, **2004**, 2004, 2845-2848	2.9	21
11	Synthesis of peroxide compounds by the BF3-catalyzed reaction of acetals and enol ethers with H2O2. *Russian Chemical Bulletin*, **2004**, 53, 681-687	1.7	18
10	A new method for the synthesis of bishydroperoxides based on a reaction of ketals with hydrogen peroxide catalyzed by boron trifluoride complexes. *Tetrahedron Letters*, **2003**, 44, 7359-7363	2	61
9	A rearrangement of 1-hydroperoxy-2-oxabicycloalkanes into lactones of □acyloxy-(□)-hydroxyalkanoic acids related to the Criegee reaction. *Tetrahedron Letters*, **2002**, 43, 1321-1324	2	11
8	Electrooxidative transformation of unsubstituted and substituted nitro hydrocarbons into carbonyl compounds. *Russian Chemical Bulletin*, **2002**, 51, 1460-1465	1.7	2
7	A new method for synthesis of n-(3-acyloxypropyl)-substituted six- to thirteen-membered alkan-n-olides. *Russian Chemical Bulletin*, **2002**, 51, 1806-1811	1.7	0
6	Synthesis of nine-, ten-, and fifteen-membered alkenolides by the oxidative cleavage of the bridging C=C bond in 2-oxabicycloalkenes. *Russian Chemical Bulletin*, **2001**, 50, 2149-2155	1.7	10
5	Electrochemical cleavage of bridged C-C bonds in bicyclic enol ethers and monooxa- and dioxabicycloalkanes: An approach to macrocyclic compounds. *Russian Journal of Electrochemistry*, **2000**, 36, 193-202	1.2	1
4	Electroinduced oxidative transformation of 2,5-dioxabicyclo[4.4.0]decanes into 5-(1,3-dioxolan-2-yl)- and 5-(dimethoxymethyl)pentanoates. *Mendeleev Communications*, **1999**, 9, 194-195	1.9	1
3	Electrochemical transformations of monooxa- and dioxabicycloalkenes and-bicycloalkanes. *Russian Chemical Bulletin*, **1999**, 48, 2091-2099	1.7	2
2	Electrooxidative rearrangement of 5,(n + 6)-dimethoxy-1-oxabicyclo[n.4.0]alkanes (n = 4, 10) into □(2-methoxytetrahydrofur-2-yl)alkanoic esters. *Mendeleev Communications*, **1998**, 8, 239-240	1.9	3
1	Ring-expansion reaction of 1-hydroperoxy-16-oxabicyclo[10.4.0]hexadecane catalyzed by copper ions: use in the synthesis of 15-pentadecanolide. *Russian Chemical Bulletin*, **1998**, 47, 1166-1169	1.7	1