

Alexander O Terentev

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174
papers

2,913
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29
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44
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221
ext. papers

3,594
ext. citations

3.8
avg, IF

5.59
L-index

#	Paper	IF	Citations
174	Development of new methods in modern selective organic synthesis: preparation of functionalized molecules with atomic precision. <i>Russian Chemical Reviews</i> , 2014 , 83, 885-985	6.8	153
173	Cross-dehydrogenative coupling for the intermolecular C-O bond formation. <i>Beilstein Journal of Organic Chemistry</i> , 2015 , 11, 92-146	2.5	129
172	Rearrangements of organic peroxides and related processes. <i>Beilstein Journal of Organic Chemistry</i> , 2016 , 12, 1647-748	2.5	115
171	Organic and hybrid systems: from science to practice. <i>Mendeleev Communications</i> , 2017 , 27, 425-438	1.9	79
170	Synthesis of five- and six-membered cyclic organic peroxides: Key transformations into peroxide ring-retaining products. <i>Beilstein Journal of Organic Chemistry</i> , 2014 , 10, 34-114	2.5	74
169	Stereoelectronic source of the anomalous stability of bis-peroxides. <i>Chemical Science</i> , 2015 , 6, 6783-6791	4.4	66
168	A new method for the synthesis of bishydroperoxides based on a reaction of ketals with hydrogen peroxide catalyzed by boron trifluoride complexes. <i>Tetrahedron Letters</i> , 2003 , 44, 7359-7363	2	61
167	Identification of antischistosomal leads by evaluating bridged 1,2,4,5-tetraoxanes, aliphatic peroxides, and tricyclic monoperoxides. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 8700-11	8.3	59
166	Convenient Synthesis of Geminal Bishydroperoxides by the Reaction of Ketones with Hydrogen Peroxide. <i>Synthetic Communications</i> , 2007 , 37, 1281-1287	1.7	57
165	Stereoelectronic Interactions as a Probe for the Existence of the Intramolecular π -Effect. <i>Journal of the American Chemical Society</i> , 2017 , 139, 10799-10813	16.4	53
164	Interrupted Baeyer-Villiger Rearrangement: Building A Stereoelectronic Trap for the Criegee Intermediate. <i>Angewandte Chemie - International Edition</i> , 2018 , 57, 3372-3376	16.4	51
163	Synthesis of asymmetric peroxides: transition metal (Cu, Fe, Mn, Co) catalyzed peroxidation of beta-dicarbonyl compounds with tert-butyl hydroperoxide. <i>Journal of Organic Chemistry</i> , 2010 , 75, 5065-5071	4.7	46
162	Oxidative Coupling with S _N 2 Bond Formation. <i>European Journal of Organic Chemistry</i> , 2018 , 2018, 4648-4672	4.7	45
161	Phosphomolybdic and phosphotungstic acids as efficient catalysts for the synthesis of bridged 1,2,4,5-tetraoxanes from β -diketones and hydrogen peroxide. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 2613-23	3.9	39
160	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. <i>Journal of Organic Chemistry</i> , 2009 , 74, 3335-40	4.2	39
159	Iminoxyl Radical-Based Strategy for Intermolecular C-O Bond Formation: Cross-Dehydrogenative Coupling of 1,3-Dicarbonyl Compounds with Oximes. <i>Advanced Synthesis and Catalysis</i> , 2014 , 356, 2266-2280	5.6	38
158	Peroxides with Anthelmintic, Antiprotozoal, Fungicidal and Antiviral Bioactivity: Properties, Synthesis and Reactions. <i>Molecules</i> , 2017 , 22,	4.8	37

- 157 Stereoelectronic Control in the Ozone-Free Synthesis of Ozonides. *Angewandte Chemie - International Edition*, **2017**, 56, 4955-4959 16.4 36
- 156 Electrosynthesis of vinyl sulfones from alkenes and sulfonyl hydrazides mediated by KI: H^+ -electrochemical mechanistic study. *Tetrahedron*, **2017**, 73, 6871-6879 2.4 35
- 155 New preparation of 1,2,4,5,7,8-hexaoxonanes. *Journal of Organic Chemistry*, **2007**, 72, 7237-43 4.2 35
- 154 Selective synthesis of cyclic peroxides from triketones and H_2O_2 . *Journal of Organic Chemistry*, **2012**, 77, 1833-42 4.2 34
- 153 Generation and cross-coupling of benzyl and phthalimide-N-oxyl radicals in a Cerium(IV) ammonium nitrate/N-hydroxyphthalimide/ ArCH_2R system. *Tetrahedron*, **2012**, 68, 10263-10271 2.4 34
- 152 Electrochemically Induced Synthesis of Sulfonylated -Unsubstituted Enamines from Vinyl Azides and Sulfonyl Hydrazides. *Organic Letters*, **2020**, 22, 1818-1824 6.2 33
- 151 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
- 150 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
- 149 Synthesis and Antifungal Activity of Arylthiocyanates. *Pharmaceutical Chemistry Journal*, **2013**, 47, 422-425 32
- 148 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}
- 147 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
- 146 Synthesis of cyclic peroxides containing the Si-gem-bisperoxide fragment. 1,2,4,5,7,8-Hexaoxa-3-siloxanes as a new class of peroxides. *Journal of Organic Chemistry*, **2008**, 73, 3169-3174^{4,7} 30
- 145 Novel Peroxides as Promising Anticancer Agents with Unexpected Depressed Antimalarial Activity. *ChemMedChem*, **2018**, 13, 902-908 3.7 29
- 144 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
- 143 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
- 142 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
- 141 Manganese triacetate as an efficient catalyst for bisperoxidation of styrenes. *Organic and Biomolecular Chemistry*, **2015**, 13, 1439-45 3.9 28
- 140 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

- 139 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
- 138 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
- 137 Selective cross-dehydrogenative C–C coupling of N-hydroxy compounds with pyrazolones. Introduction of the diacetylinoxyl radical into the practice of organic synthesis. *Organic Chemistry Frontiers*, **2017**, 4, 1947-1957 5.2 25
- 136 Copper(I)-mediated synthesis of β -hydroxysulfones from styrenes and sulfonylhydrazides: an electrochemical mechanistic study. *RSC Advances*, **2016**, 6, 93476-93485 3.7 24
- 135 Nature Chooses Rings: Synthesis of Silicon-Containing Macrocyclic Peroxides. *Organometallics*, **2014**, 33, 2230-2246 3.8 24
- 134 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, 10160-94.8 24
- 133 Oxime-Derived Iminyl Radicals in Selective Processes of Hydrogen Atom Transfer and Addition to Carbon-Carbon σ Bonds. *Advanced Synthesis and Catalysis*, **2021**, 363, 2502-2528 5.6 24
- 132 Synthetic Strategies for Peroxide Ring Construction in Artemisinin. *Molecules*, **2017**, 22, 4.8 23
- 131 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
- 130 Boron Trifluoride as an Efficient Catalyst for the Selective Synthesis of Tricyclic Monoperoxides from β -Triketones and H₂O₂. *Synthesis*, **2013**, 45, 246-250 2.9 22
- 129 Electrochemically Induced Intermolecular Cross-Dehydrogenative C–O Coupling of β -Diketones and β -Ketoesters with Carboxylic Acids. *Journal of Organic Chemistry*, **2019**, 84, 1448-1460 4.2 22
- 128 Electrochemical behavior of N-oxypthalimides: Cascades initiating self-sustaining catalytic reductive N–O bond cleavage. *Journal of Physical Organic Chemistry*, **2017**, 30, e3744 2.1 21
- 127 Selective Synthesis of Unsymmetrical Peroxides: Transition-Metal-Catalyzed Oxidation of Malononitrile and Cyanoacetic Ester Derivatives by tert-Butyl Hydroperoxide at the β Position. *Synthesis*, **2011**, 2011, 2091-2100 2.9 21
- 126 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
- 125 A Convenient and Efficient Synthesis of 1-Aryl-2,2-dichloroethanones. *Synthesis*, **2004**, 2004, 2845-2848 2.9 21
- 124 Photoredox-Catalyzed Four-Component Reaction for the Synthesis of Complex Secondary Amines. *Organic Letters*, **2020**, 22, 3318-3322 6.2 18
- 123 Electrochemical synthesis of sulfonamides from arenesulfonohydrazides or sodium p-methylbenzenesulfinate and amines. *Mendeleev Communications*, **2016**, 26, 538-539 1.9 18
- 122 Peroxy steroids derived from plant and fungi and their biological activities. *Applied Microbiology and Biotechnology*, **2018**, 102, 7657-7667 5.7 18

121	Synthesis of peroxide compounds by the BF ₃ -catalyzed reaction of acetals and enol ethers with H ₂ O ₂ . <i>Russian Chemical Bulletin</i> , 2004 , 53, 681-687	1.7	18
120	Oxime radicals: generation, properties and application in organic synthesis. <i>Beilstein Journal of Organic Chemistry</i> , 2020 , 16, 1234-1276	2.5	17
119	Five Roads That Converge at the Cyclic Peroxy-Criegee Intermediates: BF-Catalyzed Synthesis of β -Hydroperoxy- β -Peroxylactones. <i>Journal of Organic Chemistry</i> , 2018 , 83, 13427-13445	4.2	17
118	Hydroperoxy steroids and triterpenoids derived from plant and fungi: Origin, structures and biological activities. <i>Journal of Steroid Biochemistry and Molecular Biology</i> , 2019 , 190, 76-87	5.1	16
117	Facile Synthesis of E-Diiodoalkenes: H ₂ O ₂ -Activated Reaction of Alkynes with Iodine. <i>Synthetic Communications</i> , 2007 , 37, 3151-3164	1.7	16
116	A new oxidation process. Transformation of gem-bishydroperoxides into esters. <i>Open Chemistry</i> , 2006 , 4,	1.6	16
115	Catalyst Development for the Synthesis of Ozonides and Tetraoxanes Under Heterogeneous Conditions: Disclosure of an Unprecedented Class of Fungicides for Agricultural Application. <i>Chemistry - A European Journal</i> , 2020 , 26, 4734-4751	4.8	16
114	Electrochemical Synthesis of O-Phthalimide Oximes from β -Azido Styrenes via Radical Sequence: Generation, Addition and Recombination of Imide-N-Oxyl and Iminyl Radicals with C \equiv N \equiv Bonds Formation. <i>Advanced Synthesis and Catalysis</i> , 2020 , 362, 3864-3871	5.6	16
113	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. <i>ChemistrySelect</i> , 2017 , 2, 3334-3341	1.8	15
112	Stereoelectronic Control in the Ozone-Free Synthesis of Ozonides. <i>Angewandte Chemie</i> , 2017 , 129, 5037-5041	3.5	15
111	Lanthanide-Catalyzed Oxidative β -Coupling of 1,3-Dicarbonyl Compounds with Diacyl Peroxides. <i>Synlett</i> , 2015 , 26, 802-806	2.2	15
110	Synthetic Peroxides Promote Apoptosis of Cancer Cells by Inhibiting P-Glycoprotein ABCB5. <i>ChemMedChem</i> , 2020 , 15, 1118-1127	3.7	15
109	Interrupted Baeyer-Villiger Rearrangement: Building A Stereoelectronic Trap for the Criegee Intermediate. <i>Angewandte Chemie</i> , 2018 , 130, 3430-3434	3.6	15
108	Switching of Sulfonylation Selectivity by Nature of Solvent and Temperature: The Reaction of β -Dicarbonyl Compounds with Sodium Sulfinates under the Action of Iron-Based Oxidants. <i>European Journal of Organic Chemistry</i> , 2019 , 2019, 4179-4188	3.2	14
107	Well-Known Mediators of Selective Oxidation with Unknown Electronic Structure: Metal-Free Generation and EPR Study of Imide-N-oxyl Radicals. <i>Journal of Physical Chemistry A</i> , 2016 , 120, 68-73	2.8	14
106	Oxetane-containing metabolites: origin, structures, and biological activities. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 2449-2467	5.7	14
105	Cerium(IV) ammonium nitrate: Reagent for the versatile oxidative functionalization of styrenes using N-hydroxyphthalimide. <i>Tetrahedron</i> , 2019 , 75, 2529-2537	2.4	13
104	Iminoxyl radicals -butylperoxyl radical in competitive oxidative C-O coupling with β -dicarbonyl compounds. Oxime ether formation prevails over Kharasch peroxidation.. <i>RSC Advances</i> , 2018 , 8, 5670-5677	3.7	13

103	Synthesis of peroxides from β -triketones under heterogeneous conditions. <i>Russian Journal of Organic Chemistry</i> , 2015 , 51, 1681-1687	0.7	13
102	A New Approach to the Synthesis of Vicinal Iodoperoxyalkanes by the Reaction of Alkenes with Iodine and Hydroperoxides. <i>Synthesis</i> , 2007 , 2007, 2979-2986	2.9	13
101	Electrochemically induced oxidative S-O coupling: synthesis of sulfonates from sulfonyl hydrazides and N-hydroxyimides or N-hydroxybenzotriazoles. <i>Organic and Biomolecular Chemistry</i> , 2019 , 17, 3482-3488	2.8	12
100	A convenient synthesis of cyclopropane malonyl peroxide. <i>Mendeleev Communications</i> , 2014 , 24, 345	1.9	12
99	Chemiluminescence from the biomimetic reaction of 1,2,4-trioxolanes and 1,2,4,5-tetroxanes with ferrous ions. <i>RSC Advances</i> , 2012 , 2, 107-110	3.7	12
98	Photoredox-catalyzed synthesis of N-unsubstituted enamino sulfones from vinyl azides and sulfonates. <i>Tetrahedron Letters</i> , 2021 , 64, 152737	2	12
97	Ammonium iodide-mediated electrosynthesis of unsymmetrical thiosulfonates from arenesulfonohydrazides and thiols. <i>Mendeleev Communications</i> , 2019 , 29, 80-82	1.9	11
96	Silica gel mediated oxidative C-D coupling of β -dicarbonyl compounds with malonyl peroxides in solvent-free conditions. <i>Pure and Applied Chemistry</i> , 2018 , 90, 7-20	2.1	11
95	Transformation of 2-allyl-1,3-diketones to bicyclic compounds containing 1,2-dioxolane and tetrahydrofuran rings using the I ₂ /H ₂ O ₂ system. <i>Tetrahedron Letters</i> , 2016 , 57, 949-952	2	11
94	Hypervalent iodine compounds for anti-Markovnikov-type iodo-oxymidation of vinylarenes. <i>Beilstein Journal of Organic Chemistry</i> , 2018 , 14, 2146-2155	2.5	11
93	Organosilicon and organogermanium peroxides: synthesis and reactions. <i>Russian Chemical Reviews</i> , 2011 , 80, 807-828	6.8	11
92	A rearrangement of 1-hydroperoxy-2-oxabicycloalkanes into lactones of β -cyloxy-(β)-hydroxyalkanoic acids related to the Criegee reaction. <i>Tetrahedron Letters</i> , 2002 , 43, 1321-1324	2	11
91	How to Build Rigid Oxygen-Rich Tricyclic Heterocycles from Triketones and Hydrogen Peroxide: Control of Dynamic Covalent Chemistry with Inverse β -Effect. <i>Journal of the American Chemical Society</i> , 2020 , 142, 14588-14607	16.4	11
90	Mild Nitration of Pyrazolin-5-ones by a Combination of Fe(NO ₃) ₃ and NaNO ₂ : Discovery of a New Readily Available Class of Fungicides, 4-Nitropyrazolin-5-ones. <i>Chemistry - A European Journal</i> , 2019 , 25, 5922-5933	4.8	10
89	Organocatalytic peroxidation of malonates, β -ketoesters, and cyanoacetic esters using n-Bu ₄ NI/t-BuOOH-mediated intermolecular oxidative C(sp ³)-D coupling. <i>Tetrahedron</i> , 2015 , 71, 8985-8990	3.4	10
88	Synthesis of unstrained Criegee intermediates: inverse β -effect and other protective stereoelectronic forces can stop Baeyer-Villiger rearrangement of β -hydroperoxy- β -peroxylactones. <i>Chemical Science</i> , 2020 , 11, 5313-5322	9.4	10
87	Similar nature leads to improved properties: cyclic organosilicon triperoxides as promising curing agents for liquid polysiloxanes. <i>New Journal of Chemistry</i> , 2018 , 42, 15006-15013	3.6	10
86	Reactions of mono- and bicyclic enol ethers with the I ₂ /hydroperoxide system. <i>RSC Advances</i> , 2014 , 4, 7579-7587	3.7	10

85	Six Peroxide Groups in One Molecule Synthesis of Nine-Membered Bicyclic Silyl Peroxides. <i>European Journal of Organic Chemistry</i> , 2014 , 2014, 6877-6883	3.2	10
84	Ring contraction of 1,2,4,5,7,8-hexaoxa-3-siloxanes by selective reduction of COOSi fragments. Synthesis of new silicon-containing rings, 1,3,5,6-tetraoxa-2-siloxanes. <i>Journal of Organic Chemistry</i> , 2009 , 74, 1917-22	4.2	10
83	Synthesis of 1,1'-bishydroperoxydi(cycloalkyl) peroxides by homocoupling of 11-5-membered gem-bis(hydroperoxy)cycloalkanes in the presence of boron trifluoride. <i>Russian Chemical Bulletin</i> , 2005 , 54, 1214-1218	1.7	10
82	Synthesis of nine-, ten-, and fifteen-membered alkenolides by the oxidative cleavage of the bridging C=C bond in 2-oxabicycloalkenes. <i>Russian Chemical Bulletin</i> , 2001 , 50, 2149-2155	1.7	10
81	Reduction of Organosilicon Peroxides: Ring Contraction and Cyclodimerization. <i>Organometallics</i> , 2016 , 35, 1667-1673	3.8	10
80	One-pot oxidative bromination Esterification of aldehydes to 2-bromoesters using cerium (IV) ammonium nitrate and lithium bromide. <i>Tetrahedron Letters</i> , 2017 , 58, 352-354	2	9
79	Peroxycarbenium Ions as the "Gatekeepers" in Reaction Design: Assistance from Inverse Alpha-Effect in Three-Component Alkoxy-Peroxy-lactones Synthesis. <i>Chemistry - A European Journal</i> , 2019 , 25, 14460-14468	4.8	9
78	Peroxidation of α -diketones and β -keto esters with tert-butyl hydroperoxide in the presence of Cu(ClO ₄) ₂ /SiO ₂ . <i>Russian Chemical Bulletin</i> , 2014 , 63, 2461-2466	1.7	9
77	Facile Method for the Synthesis of Vicinal Azidoiodides by the Reaction of the NaN ₃ I ₂ System with Unsaturated Compounds. <i>Synthetic Communications</i> , 2008 , 38, 3797-3809	1.7	9
76	C _D coupling of Malonyl Peroxides with Enol Ethers via [5+2] Cycloaddition: Non-Rubottom Oxidation. <i>Advanced Synthesis and Catalysis</i> , 2019 , 361, 3173-3181	5.6	8
75	Cyclic Synthetic Peroxides Inhibit Growth of Entomopathogenic Fungus without Toxic Effect on Bumblebees. <i>Molecules</i> , 2020 , 25,	4.8	8
74	Selective synthesis of cyclic triperoxides from 1,1'-dihydroperoxydi(cycloalkyl)peroxides and acetals using SnCl ₄ . <i>Russian Chemical Bulletin</i> , 2019 , 68, 1289-1292	1.7	8
73	Preparation of a microsized cerium chloride-based catalyst and its application in the Michael addition of α -diketones to vinyl ketones. <i>New Journal of Chemistry</i> , 2014 , 38, 1493-1502	3.6	8
72	Naturally occurring of diepoxy-containing compounds: origin, structures, and biological activities. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 3249-3264	5.7	7
71	Oxidative C-O coupling of benzylmalononitrile with 3-(hydroxyimino)pentane-2,4-dione. <i>Russian Journal of Organic Chemistry</i> , 2015 , 51, 10-13	0.7	7
70	Alcoholysis of malonyl peroxides to give peracids. <i>Mendeleev Communications</i> , 2016 , 26, 14-15	1.9	6
69	Oxidative coupling of N-hydroxyphthalimide with toluene. <i>Russian Journal of General Chemistry</i> , 2014 , 84, 2084-2087	0.7	6
68	Synthesis and antimicrobial activity of geminal bis-hydroperoxides. <i>Pharmaceutical Chemistry Journal</i> , 2010 , 44, 248-250	0.9	6

67	Advances of N-Hydroxyphthalimide Esters in Photocatalytic Alkylation Reactions. <i>Chinese Journal of Organic Chemistry</i> , 2021 , 41, 4661	3	6
66	Regioselective Baeyer-Villiger Oxidation of Steroidal Ketones to Lactones Using BF ₃ /H ₂ O ₂ . <i>European Journal of Organic Chemistry</i> , 2020 , 2020, 402-405	3.2	6
65	Ion exchange resin-catalyzed synthesis of bridged tetraoxanes possessing in vitro cytotoxicity against HeLa cancer cells. <i>Chemistry of Heterocyclic Compounds</i> , 2020 , 56, 722-726	1.4	6
64	Hydroperoxides derived from marine sources: origin and biological activities. <i>Applied Microbiology and Biotechnology</i> , 2019 , 103, 1627-1642	5.7	6
63	Cyclic peroxides and related initiating systems for radical polymerization of methyl methacrylate. <i>Russian Chemical Bulletin</i> , 2013 , 62, 1282-1285	1.7	5
62	Oxidation of Substituted 1,2-Diketones with Hydrogen Peroxide: Synthesis of Esters through the Formation of Bridged 1,2,4,5-Tetraoxanes. <i>Synthesis</i> , 2010 , 2010, 1145-1149	2.9	5
61	Synthesis of 1,2,4,5,7,8-hexaoxonanes by iodine-catalyzed reactions of bis(1-hydroperoxycycloalkyl) peroxides with ketals. <i>Russian Chemical Bulletin</i> , 2009 , 58, 335-338	1.7	5
60	New Preparation of 1,2,4,5-Tetraoxanes. <i>Synthesis</i> , 2004 , 2004, 2356-2366	2.9	5
59	New transformation of cycloalkanone acetals by peracids and dicarboxylic acids synthesis. <i>Open Chemistry</i> , 2005 , 3, 417-431	1.6	5
58	Metal-Free Cross-Dehydrogenative C-O Coupling of Carbonyl Compounds with α -Hydroxyimides: Unexpected Selective Behavior of Highly Reactive Free Radicals at an Elevated Temperature. <i>Journal of Organic Chemistry</i> , 2020 , 85, 1935-1947	4.2	5
57	Difference in α -thiocyanation of malonates, β -keto esters and 1,2-diketones with sodium thiocyanate and cerium(IV) ammonium nitrate. <i>Mendeleev Communications</i> , 2016 , 26, 226-227	1.9	5
56	Highly oxygenated isoprenoid lipids derived from terrestrial and aquatic sources: Origin, structures and biological activities. <i>Vietnam Journal of Chemistry</i> , 2019 , 57, 1-15	0.8	4
55	H ₂ O ₂ /HCl system: Oxidation-chlorination of secondary alcohols to α -dichloro ketones. <i>Tetrahedron Letters</i> , 2020 , 61, 152154	2	4
54	A HO/HBr system - several directions but one choice: oxidation-bromination of secondary alcohols into mono- or dibromo ketones.. <i>RSC Advances</i> , 2018 , 8, 28632-28636	3.7	4
53	Synthesis of dibromo ketones by the reaction of the environmentally benign H ₂ O ₂ -HBr system with oximes. <i>Open Chemistry</i> , 2012 , 10, 360-367	1.6	4
52	A new property of geminal bishydroperoxides: Hydrolysis with the removal of hydroperoxide groups to form a ketone. <i>Russian Journal of General Chemistry</i> , 2010 , 80, 1667-1671	0.7	4
51	Oxidation of alkenes with hydrogen peroxide, catalyzed by boron trifluoride. Synthesis of vicinal methoxyalkanols. <i>Russian Journal of General Chemistry</i> , 2008 , 78, 592-596	0.7	4
50	Cerium(IV) ammonium nitrate promoted synthesis of O-phthalimide oximes from vinyl azides and N-hydroxyphthalimide. <i>Tetrahedron Letters</i> , 2020 , 61, 152533	2	4

49	Marriage of Peroxides and Nitrogen Heterocycles: Selective Three-Component Assembly, Peroxide-Preserving Rearrangement, and Stereoelectronic Source of Unusual Stability of Bridged Azaazonides. <i>Journal of the American Chemical Society</i> , 2021 , 143, 6634-6648	16.4	4
48	Alkene, Bromide, and ROH [How To Achieve Selectivity? Electrochemical Synthesis of Bromohydrins and Their Ethers. <i>Advanced Synthesis and Catalysis</i> , 2021 , 363, 3070-3078	5.6	4
47	Kharasch reaction: Cu-catalyzed and non-Kharasch metal-free peroxidation of barbituric acids. <i>Tetrahedron Letters</i> , 2019 , 60, 920-924	2	4
46	Mixed hetero-/homogeneous TiO ₂ /N-hydroxyimide photocatalysis in visible-light-induced controllable benzylic oxidation by molecular oxygen. <i>Chinese Journal of Catalysis</i> , 2021 , 42, 1700-1711	11.3	4
45	Conjugated nitroxide radicals. <i>Russian Chemical Reviews</i> , 2021 , 90,	6.8	4
44	Radical addition of tetrahydrofuran to imines assisted by tert-butyl hydroperoxide. <i>Tetrahedron Letters</i> , 2020 , 61, 152150	2	3
43	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. <i>Russian Journal of Electrochemistry</i> , 2011 , 47, 234-237	1.2	3
42	Reaction of Enol Ethers with the I ₂ -H ₂ O ₂ System: Synthesis of 2-Iodo-1-methoxy Hydroperoxides and Their Deperoxidation and Demethoxylation to 2-Iodo Ketones. <i>Synthesis</i> , 2009 , 2009, 4159	2.9	3
41	Nanocomposites based on polymethylmethacrylate and silica. <i>Bulletin of the Russian Academy of Sciences: Physics</i> , 2010 , 74, 1039-1042	0.4	3
40	Electrooxidative rearrangement of 5,(n + 6)-dimethoxy-1-oxabicyclo[n.4.0]alkanes (n = 4, 10) into [2-methoxytetrahydrofur-2-yl]alkanoic esters. <i>Mendeleev Communications</i> , 1998 , 8, 239-240	1.9	3
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34	Spontaneous reaction of malonyl peroxides with methanol. <i>Mendeleev Communications</i> , 2017 , 27, 243-245	1.5	2
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17	Synthesis and biological activities of organoaluminum steroids. <i>Vietnam Journal of Chemistry</i> , 2018 , 56, 661-666	0.8	1
16	Electrosynthesis of N-unsubstituted enamino-sulfones from vinyl azides and sodium sulfinates mediated by NH ₄ I. <i>Tetrahedron Letters</i> , 2021 , 153436	2	1
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14	Development of Biodegradable Delivery Systems Containing Novel 1,2,4-Trioxolane Based on Bacterial Polyhydroxyalkanoates. <i>Advances in Polymer Technology</i> , 2022 , 2022, 1-14	1.9	1

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12	Adsorption of ethyl benzoate on activated carbon. <i>Solid Fuel Chemistry</i> , 2017 , 51, 44-47	0.7	0
11	Chemiluminescence in decomposition of bridged 1,2,4,5-tetraoxanes catalyzed by ferrocene. <i>Mendeleev Communications</i> , 2017 , 27, 371-373	1.9	0
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