Alexander O Terent'ev

List of Publications by Year
in descending order

184 papers	4,239 citations	101384 36 h-index	168136 53 g-index
221 all docs	221 docs citations	221 times ranked	2701 citing authors

#	ARTICLE	IF	CITATIONS
1	Development of new methods in modern selective organic synthesis: preparation of functionalized molecules with atomic precision. Russian Chemical Reviews, 2014, 83, 885-985.	2.5	182
2	Cross-dehydrogenative coupling for the intermolecular Câ€“O bond formation. Beilstein Journal of Organic Chemistry, 2015, 11, 92-146.	1.3	161
3	Rearrangements of organic peroxides and related processes. Beilstein Journal of Organic Chemistry, 2016, 12, 1647-1748.	1.3	156
4	Organic and hybrid systems: from science to practice. Mendeleev Communications, 2017, 27, 425-438.	0.6	86
5	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.	1.3	84
6	Stereoelectronic power of oxygen in control of chemical reactivity: the anomeric effect is not alone. Chemical Society Reviews, 2021, 50, 10253-10345.	18.7	80
7	Stereoelectronic source of the anomalous stability of bis-peroxides. Chemical Science, 2015, 6, 6783-6791.	3.7	79
8	Identification of Antischistosomal Leads by Evaluating Bridged 1,2,4,5-Tetraoxanes, Alphaperoxides, and Tricyclic Monoperoxides. Journal of Medicinal Chemistry, 2012, 55, 8700-8711.	2.9	74
9	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.	0.7	70
10	Convenient Synthesis of Geminal Bishydroperoxides by the Reaction of Ketones with Hydrogen Peroxide. Synthetic Communications, 2007, 37, 1281-1287.	1.1	69
11	Oxidative Sulfonylation of Multiple Carbonâ€Carbon bonds with Sulfonyl Hydrazides, Sulfinic Acids and their Salts. Advanced Synthesis and Catalysis, 2020, 362, 4579-4654.	2.1	67
12	Stereoelectronic Interactions as a Probe for the Existence of the Intramolecular Î±-Effect. Journal of the American Chemical Society, 2017, 139, 10799-10813.	6.6	66
13	Interrupted Baeyerâ€“Villiger Rearrangement: Building A Stereoelectronic Trap for the Criegee Intermediate. Angewandte Chemie - International Edition, 2018, 57, 3372-3376.	7.2	64
14	Oxidative Coupling with Sâ€“N Bond Formation. European Journal of Organic Chemistry, 2018, 2018, 4648-4672.	1.2	58
15	Peroxides with Anthelmintic, Antiprotozoal, Fungicidal and Antiviral Bioactivity: Properties, Synthesis and Reactions. Molecules, 2017, 22, 1881.	1.7	54
16	Electrochemically Induced Synthesis of Sulfonylated <i>N</i>-Unsubstituted Enamines from Vinyl Azides and Sulfonyl Hydrazides. Organic Letters, 2020, 22, 1818-1824.	2.4	54
17	Oximeâ€Derived Iminyl Radicals in Selective Processes of Hydrogen Atom Transfer and Addition to Carbonâ€Carbon Ï€â€Bonds. Advanced Synthesis and Catalysis, 2021, 363, 2502-2528.	2.1	53
18	Electrosynthesis of vinyl sulfones from alkenes and sulfonyl hydrazides mediated by KI: Đn electrochemical mechanistic study. Tetrahedron, 2017, 73, 6871-6879.	1.0	52

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19	Synthesis and Antifungal Activity of Arylthiocyanates. Pharmaceutical Chemistry Journal, 2013, 47, 422-425.	0.3	51
20	Conjugated nitroxides. Russian Chemical Reviews, 2022, 91, RCR5025.	2.5	50
21	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 Î²-Diketones. Journal of Organic Chemistry, 2009, 74, 3335-3340.	1.7	49
22	Synthesis of Asymmetric Peroxides: Transition Metal (Cu, Fe, Mn, Co) Catalyzed Peroxidation of Î²-Dicarbonyl Compounds with <i>tert</i>-Butyl Hydroperoxide. Journal of Organic Chemistry, 2010, 75, 5065-5071.	1.7	49
23	Iminoxyl Radicalâ€Based Strategy for Intermolecular Cï£¿O Bond Formation: Crossâ€Dehydrogenative Coupling of 1,3â€Dicarbonyl Compounds with Oximes. Advanced Synthesis and Catalysis, 2014, 356, 2266-2280.	2.1	46
24	Generation and cross-coupling of benzyl and phthalimide-N-oxyl radicals inÂaÂcerium(IV) ammonium nitrate/N-hydroxyphthalimide/ArCH2R system. Tetrahedron, 2012, 68, 10263-10271.	1.0	45
25	Stereoelectronic Control in the Ozoneâ€Free Synthesis of Ozonides. Angewandte Chemie - International Edition, 2017, 56, 4955-4959.	7.2	44
26	Novel Peroxides as Promising Anticancer Agents with Unexpected Depressed Antimalarial Activity. ChemMedChem, 2018, 13, 902-908.	1.6	44
27	Ozone-Free Synthesis of Ozonides: Assembling Bicyclic Structures from 1,5-Diketones and Hydrogen Peroxide. Journal of Organic Chemistry, 2018, 83, 4402-4426.	1.7	44
28	Selective Synthesis of Cyclic Peroxides from Triketones and H₂O₂. Journal of Organic Chemistry, 2012, 77, 1833-1842.	1.7	43
29	Oxidative Cï£¿O Crossâ€Coupling of 1,3â€Dicarbonyl Compounds and Their Heteroanalogues with <i>N</i>â€Substituted Hydroxamic Acids and <i>N</i>â€Hydroxyimides. Advanced Synthesis and Catalysis, 2013, 355, 2375-2390.	2.1	43
30	Phosphomolybdic and phosphotungstic acids as efficient catalysts for the synthesis of bridged 1,2,4,5-tetraoxanes from Î²-diketones and hydrogen peroxide. Organic and Biomolecular Chemistry, 2013, 11, 2613.	1.5	43
31	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, 5175-5181.	1.4	43
32	New Preparation of 1,2,4,5,7,8-Hexaoxonanes. Journal of Organic Chemistry, 2007, 72, 7237-7243.	1.7	40
33	Selective cross-dehydrogenative Câ€“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.	2.3	40
34	Electrochemical behavior of <i>N</i>â€oxyphthalimides: Cascades initiating selfâ€sustaining catalytic reductive <i>N</i>â€•<i>O</i> bond cleavage. Journal of Physical Organic Chemistry, 2017, 30, e3744.	0.9	40
35	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.	1.1	39
36	Oxime radicals: generation, properties and application in organic synthesis. Beilstein Journal of Organic Chemistry, 2020, 16, 1234-1276.	1.3	39

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37	Synthesis of Cyclic Peroxides Containing the Si-<i>gem</i>-bisperoxide Fragment. 1,2,4,5,7,8-Hexaoxa-3-silonanes as a New Class of Peroxides. Journal of Organic Chemistry, 2008, 73, 3169-3174.	1.7	38
38	Oxidation of cycloalkanones with hydrogen peroxide: an alternative route to the Baeyerâ€“Villiger reaction. Synthesis of dicarboxylic acid esters. Tetrahedron, 2008, 64, 7944-7948.	1.0	37
39	Photoredox-Catalyzed Four-Component Reaction for the Synthesis of Complex Secondary Amines. Organic Letters, 2020, 22, 3318-3322.	2.4	35
40	Advances of <i>N</i>-Hydroxyphthalimide Esters in Photocatalytic Alkylation Reactions. Chinese Journal of Organic Chemistry, 2021, 41, 4661.	0.6	34
41	Manganese triacetate as an efficient catalyst for bisperoxidation of styrenes. Organic and Biomolecular Chemistry, 2015, 13, 1439-1445.	1.5	33
42	Electrochemically Induced Intermolecular Cross-Dehydrogenative Câ€“O Coupling of Î²-Diketones and Î²-Ketoesters with Carboxylic Acids. Journal of Organic Chemistry, 2019, 84, 1448-1460.	1.7	33
43	Synthesis of Geminal Bisperoxides by Acid-Catalyzed Reaction of Acetals and Enol Ethers with tert-Butyl Hydroperoxide. Synthesis, 2005, 2005, 2215-2219.	1.2	31
44	A Convenient Synthesis of 2,2-Dibromo-1-arylethanones by Bromination of 1-Arylethanones with the H2O2-HBr System. Synthesis, 2006, 2006, 1087-1092.	1.2	31
45	Synthesis of 1-hydroperoxy-1â€²-alkoxyperoxides by the iodine-catalyzed reactions of geminal bishydroperoxides with acetals or enol ethers. Organic and Biomolecular Chemistry, 2008, 6, 4435.	1.5	31
46	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, 10160-10169.	1.7	31
47	Copper(i)-mediated synthesis of Î²-hydroxysulfones from styrenes and sulfonylhydrazides: an electrochemical mechanistic study. RSC Advances, 2016, 6, 93476-93485.	1.7	31
48	Lanthanide-Catalyzed Oxyfunctionalization of 1,3-Diketones, Acetoacetic Esters, And Malonates by Oxidative Câ€“O Coupling with Malonyl Peroxides. Journal of Organic Chemistry, 2016, 81, 810-823.	1.7	30
49	Synthetic Strategies for Peroxide Ring Construction in Artemisinin. Molecules, 2017, 22, 117.	1.7	30
50	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.	6.9	30
51	Nature Chooses Rings: Synthesis of Silicon-Containing Macrocyclic Peroxides. Organometallics, 2014, 33, 2230-2246.	1.1	29
52	Oxetane-containing metabolites: origin, structures, and biological activities. Applied Microbiology and Biotechnology, 2019, 103, 2449-2467.	1.7	29
53	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.	1.7	28
54	Synthetic Peroxides Promote Apoptosis of Cancer Cells by Inhibiting Pâ€Glycoprotein ABCB5. ChemMedChem, 2020, 15, 1118-1127.	1.6	28

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55	Boron Trifluoride as an Efficient Catalyst for the Selective Synthesis of Tricyclic Monoperoxides from Î²,Î´-Triketones and H2O2. Synthesis, 2013, 45, 246-250.	1.2	26
56	Electrochemical Synthesis of Fluorinated Ketones from Enol Acetates and Sodium Perfluoroalkyl Sulfinates. Organic Letters, 2021, 23, 5107-5112.	2.4	25
57	A Convenient and Efficient Synthesis of 1-Aryl-2,2-dichloroethanones. Synthesis, 2004, 2004, 2845-2848.	1.2	24
58	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.	1.2	24
59	Electrochemically induced oxidative Sâ€“O coupling: synthesis of sulfonates from sulfonyl hydrazides and <i>N</i>-hydroxyimides or <i>N</i>-hydroxybenzotriazoles. Organic and Biomolecular Chemistry, 2019, 17, 3482-3488.	1.5	24
60	Electrochemical Synthesis of O â€Phthalimide Oximes from Î± â€Azido Styrenes via Radical Sequence: Generation, Addition and Recombination of Imideâ€•N â€Oxyl and Iminyl Radicals with Câ"O/Nâ"O Bonds Formation. Advanced Synthesis and Catalysis, 2020, 362, 3864-3871.	2.1	24
61	Selective Synthesis of Unsymmetrical Peroxides: Transition-Metal-Catalyzed Oxidation of Malononitrile and Cyanoacetic Ester Derivatives by tert-Butyl Hydroperoxide at the Î±-Position. Synthesis, 2011, 2011, 2091-2100.	1.2	23
62	Selective Oxidative Coupling of 3<i>H</i>â€Pyrazolâ€3â€ones, Isoxazolâ€5(2<i>H</i>)â€ones, Pyrazolidineâ€3,5â€diones, and Barbituric Acids with Malonyl Peroxides: An Effective Câ€O Functionalization. ChemistrySelect, 2017, 2, 3334-3341.	0.7	23
63	Electrochemical synthesis of sulfonamides from arenesulfonohydrazides or sodium p-methylbenzenesulfinate and amines. Mendeleev Communications, 2016, 26, 538-539.	0.6	22
64	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.	1.2	22
65	Synthesis of unstrained Criegee intermediates: inverse Î±-effect and other protective stereoelectronic forces can stop Baeyerâ€“Villiger rearrangement of Î³-hydroperoxy-Î³-peroxylactones. Chemical Science, 2020, 11, 5313-5322.	3.7	22
66	Synthesis of peroxide compounds by the BF3-catalyzed reaction of acetals and enol ethers with H2O2. Russian Chemical Bulletin, 2004, 53, 681-687.	0.4	21
67	Peroxy steroids derived from plant and fungi and their biological activities. Applied Microbiology and Biotechnology, 2018, 102, 7657-7667.	1.7	21
68	Metal-Free Cross-Dehydrogenative Câ€“O Coupling of Carbonyl Compounds with <i>N</i>-Hydroxyimides: Unexpected Selective Behavior of Highly Reactive Free Radicals at an Elevated Temperature. Journal of Organic Chemistry, 2020, 85, 1935-1947.	1.7	21
69	Well-Known Mediators of Selective Oxidation with Unknown Electronic Structure: Metal-Free Generation and EPR Study of Imide-<i>N</i>-oxyl Radicals. Journal of Physical Chemistry A, 2016, 120, 68-73.	1.1	20
70	Five Roads That Converge at the Cyclic Peroxy-Criegee Intermediates: BF₃-Catalyzed Synthesis of Î²-Hydroperoxy-Î²-peroxylactones. Journal of Organic Chemistry, 2018, 83, 13427-13445.	1.7	20
71	Cerium(IV) ammonium nitrate: Reagent for the versatile oxidative functionalization of styrenes using N-hydroxyphthalimide. Tetrahedron, 2019, 75, 2529-2537.	1.0	20
72	How to Build Rigid Oxygen-Rich Tricyclic Heterocycles from Triketones and Hydrogen Peroxide: Control of Dynamic Covalent Chemistry with Inverse Î±-Effect. Journal of the American Chemical Society, 2020, 142, 14588-14607.	6.6	20

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73	Alkene, Bromide, and ROH â€“ How To Achieve Selectivity? Electrochemical Synthesis of Bromohydrins and Their Ethers. Advanced Synthesis and Catalysis, 2021, 363, 3070-3078.	2.1	20
74	A new oxidation process. Transformation of gem-bishydroperoxides into esters. Open Chemistry, 2006, 4, .	1.0	19
75	Facile Synthesis of Eâ€Diiodoalkenes: H2O2â€Activated Reaction of Alkynes with Iodine. Synthetic Communications, 2007, 37, 3151-3164.	1.1	19
76	Lanthanide-Catalyzed Oxidative Ð¡â€“O Coupling of 1,3-Dicarbonyl Compounds with Diacyl Peroxides. Synlett, 2015, 26, 802-806.	1.0	19
77	Ammonium iodide-mediated electrosynthesis of unsymmetrical thiosulfonates from arenesulfonohydrazides and thiols. Mendeleev Communications, 2019, 29, 80-82.	0.6	19
78	Cyclic Synthetic Peroxides Inhibit Growth of Entomopathogenic Fungus Ascosphaera apis without Toxic Effect on Bumblebees. Molecules, 2020, 25, 1954.	1.7	19
79	Synthesis of peroxides from Î²,Î´-triketones under heterogeneous conditions. Russian Journal of Organic Chemistry, 2015, 51, 1681-1687.	0.3	18
80	Hypervalent iodine compounds for anti-Markovnikov-type iodo-oxyimidation of vinylarenes. Beilstein Journal of Organic Chemistry, 2018, 14, 2146-2155.	1.3	18
81	Photoredox-catalyzed synthesis of N-unsubstituted enaminosulfones from vinyl azides and sulfinates. Tetrahedron Letters, 2021, 64, 152737.	0.7	18
82	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.	6.6	18
83	Similar nature leads to improved properties: cyclic organosilicon triperoxides as promising curing agents for liquid polysiloxanes. New Journal of Chemistry, 2018, 42, 15006-15013.	1.4	17
84	Mild Nitration of Pyrazolinâ€5â€ones by a Combination of Fe(NO₃)₃ and NaNO₂: Discovery of a New Readily Available Class of Fungicides, 4â€Nitropyrazolinâ€5â€ones. Chemistry - A European Journal, 2019, 25, 5922-5933.	1.7	17
85	Synthesis and in vitro Study of Artemisinin/Synthetic Peroxideâ€Based Hybrid Compounds against SARSâ€CoVâ€2 and Cancer. ChemMedChem, 2022, 17, .	1.6	17
86	Inverse Î±-Effect as the Ariadneâ€™s Thread on the Way to Tricyclic Aminoperoxides: Avoiding Thermodynamic Traps in the Labyrinth of Possibilities. Journal of the American Chemical Society, 2022, 144, 7264-7282.	6.6	17
87	A New Approach to the Synthesis of Vicinal Iodoperoxyalkanes by the Reaction of Alkenes with Iodine and Hydroperoxides. Synthesis, 2007, 2007, 2979-2986.	1.2	16
88	Six Peroxide Groups in One Molecule â€“ Synthesis of Nineâ€Membered Bicyclic Silyl Peroxides. European Journal of Organic Chemistry, 2014, 2014, 6877-6883.	1.2	16
89	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. Tetrahedron Letters, 2016, 57, 949-952.	0.7	16
90	Interrupted Baeyerâ€“Villiger Rearrangement: Building A Stereoelectronic Trap for the Criegee Intermediate. Angewandte Chemie, 2018, 130, 3430-3434.	1.6	16

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91	Iminoxyl radicalsvs. tert-butylperoxyl radical in competitive oxidative Câ€“O coupling with Î²-dicarbonyl compounds. Oxime ether formation prevails over Kharasch peroxidation. RSC Advances, 2018, 8, 5670-5677.	1.7	16
92	Switching of Sulfonylation Selectivity by Nature of Solvent and Temperature: The Reaction of Î²â€Dicarbonyl Compounds with Sodium Sulfinates under the Action of Ironâ€Based Oxidants. European Journal of Organic Chemistry, 2019, 2019, 4179-4188.	1.2	16
93	A rearrangement of 1-hydroperoxy-2-oxabicycloalkanes into lactones of Ï‰-acyloxy-(Ï‰-3)-hydroxyalkanoic acids related to the Criegee reaction. Tetrahedron Letters, 2002, 43, 1321-1324.	0.7	15
94	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.	1.7	15
95	Stereoelectronic Control in the Ozoneâ€Free Synthesis of Ozonides. Angewandte Chemie, 2017, 129, 5037-5041.	1.6	15
96	Silica gel mediated oxidative Câ€“O coupling of Î²-dicarbonyl compounds with malonyl peroxides in solvent-free conditions. Pure and Applied Chemistry, 2018, 90, 7-20.	0.9	15
97	Peroxycarbenium Ions as the â€œGatekeepersâ€•in Reaction Design: Assistance from Inverse Alphaâ€Effect in Threeâ€Component Î²â€Alkoxyâ€Î²â€peroxylactones Synthesis. Chemistry - A European Journal, 2019, 25, 14460-14468.	1.7	15
98	Naturally occurring of Î±,Î²-diepoxy-containing compounds: origin, structures, and biological activities. Applied Microbiology and Biotechnology, 2019, 103, 3249-3264.	1.7	15
99	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, 1917-1922.	1.7	14
100	Organosilicon and organogermanium peroxides: synthesis and reactions. Russian Chemical Reviews, 2011, 80, 807-828.	2.5	14
101	Câˆ’O coupling of Malonyl Peroxides with Enol Ethers via [5+2] Cycloaddition: Nonâ€Rubottom Oxidation. Advanced Synthesis and Catalysis, 2019, 361, 3173-3181.	2.1	14
102	A convenient synthesis of cyclopropane malonyl peroxide. Mendeleev Communications, 2014, 24, 345.	0.6	13
103	Organocatalytic peroxidation of malonates, Î²-ketoesters, and cyanoacetic esters using n-Bu4NI/t-BuOOH-mediated intermolecular oxidative C(sp3)â€“O coupling. Tetrahedron, 2015, 71, 8985-8990.	1.0	13
104	Carboxylate as a Non-innocent L-Ligand: Computational and Experimental Search for Metal-Bound Carboxylate Radicals. Organic Letters, 2022, 24, 3817-3822.	2.4	13
105	<i>N</i>â€Alkoxyphtalimides as Versatile Alkoxy Radical Precursors in Modern Organic Synthesis. Asian Journal of Organic Chemistry, 2022, 11, .	1.3	13
106	Synthesis of 1,1â€²-bishydroperoxydi(cycloalkyl) peroxides by homocoupling of 11â€“15-membered gem-bis(hydroperoxy)cycloalkanes in the presence of boron trifluoride. Russian Chemical Bulletin, 2005, 54, 1214-1218.	0.4	12
107	Reactions of mono- and bicyclic enol ethers with the I2â€“hydroperoxide system. RSC Advances, 2014, 4, 7579-7587.	1.7	12
108	Reduction of Organosilicon Peroxides: Ring Contraction and Cyclodimerization. Organometallics, 2016, 35, 1667-1673.	1.1	12

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109	Selective synthesis of cyclic triperoxides from 1,1â€²-dihydroperoxydi(cycloalkyl)peroxides and acetals using SnCl4. Russian Chemical Bulletin, 2019, 68, 1289-1292.	0.4	12
110	Ion exchange resin-catalyzed synthesis of bridged tetraoxanes possessing in vitro cytotoxicity against HeLa cancer cells. Chemistry of Heterocyclic Compounds, 2020, 56, 722-726.	0.6	12
111	Title is missing!. Russian Chemical Bulletin, 2001, 50, 2149-2155.	0.4	11
112	Synthesis and antimicrobial activity of geminal bis-hydroperoxides. Pharmaceutical Chemistry Journal, 2010, 44, 248-250.	0.3	11
113	Peroxidation of Î²-diketones and Î²-keto esters with tert-butyl hydroperoxide in the presence of Cu(ClO4)2/SiO2. Russian Chemical Bulletin, 2014, 63, 2461-2466.	0.4	11
114	Preparation of a microsized cerium chloride-based catalyst and its application in the Michael addition of Î²-diketones to vinyl ketones. New Journal of Chemistry, 2014, 38, 1493-1502.	1.4	11
115	One-pot oxidative bromination â€" Esterification of aldehydes to 2-bromoesters using cerium (IV) ammonium nitrate and lithium bromide. Tetrahedron Letters, 2017, 58, 352-354.	0.7	11
116	Kharasch reaction: Cu-catalyzed and non-Kharasch metal-free peroxidation of barbituric acids. Tetrahedron Letters, 2019, 60, 920-924.	0.7	11
117	Regioselective Baeyerâ€"Villiger Oxidation of Steroidal Ketones to Lactones Using BF₃/H₂O₂. European Journal of Organic Chemistry, 2020, 2020, 402-405.	1.2	11
118	Facile Method for the Synthesis of Vicinal Azidoiodides by the Reaction of the NaN₃â€"I₂ System with Unsaturated Compounds. Synthetic Communications, 2008, 38, 3797-3809.	1.1	10
119	Oxidative coupling of N-hydroxyphthalimide with toluene. Russian Journal of General Chemistry, 2014, 84, 2084-2087.	0.3	10
120	Oxidative C-O coupling of benzylmalononitrile with 3-(hydroxyimino)pentane-2,4-dione. Russian Journal of Organic Chemistry, 2015, 51, 10-13.	0.3	9
121	Hydroperoxides derived from marine sources: origin and biological activities. Applied Microbiology and Biotechnology, 2019, 103, 1627-1642.	1.7	9
122	Cerium(IV) ammonium nitrate promoted synthesis of O-phthalimide oximes from vinyl azides and N-hydroxyphthalimide. Tetrahedron Letters, 2020, 61, 152533.	0.7	9
123	Difference in Î±-thiocyanation of malonates, Î²-oxo esters and Î²-diketones with sodium thiocyanate and cerium(IV) ammonium nitrate. Mendeleev Communications, 2016, 26, 226-227.	0.6	8
124	Radical addition of tetrahydrofuran to imines assisted by tert-butyl hydroperoxide. Tetrahedron Letters, 2020, 61, 152150.	0.7	8
125	Electrochemical Synthesis of Tetrahydroquinolines from Imines and Cyclic Ethers <i>via</i> Oxidation/Azaâ€Dielsâ€Alder Cycloaddition. Advanced Synthesis and Catalysis, 2022, 364, 1098-1108.	2.1	8
126	Electrochemical thiocyanation of barbituric acids. Organic and Biomolecular Chemistry, 2022, 20, 3629-3636.	1.5	8

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127	Lewis Acids and Heteropoly Acids in the Synthesis of Organic Peroxides. Pharmaceuticals, 2022, 15, 472.	1.7	8
128	Oxidation of Substituted Î²-Diketones with Hydrogen Peroxide: Synthesis of Esters through the Formation of Bridged 1,2,4,5-Tetraoxanes. Synthesis, 2010, 2010, 1145-1149.	1.2	7
129	Alcoholysis of malonyl peroxides to give peracids. Mendeleev Communications, 2016, 26, 14-15.	0.6	7
130	Oxidative Î±-acyloxylation of acetals with cyclic diacyl peroxides. Organic Chemistry Frontiers, 2021, 8, 3091-3101.	2.3	7
131	Electrifying Phthalimide-<i>N</i>-Oxyl (PINO) Radical Chemistry: Anodically Induced Dioxygenation of Vinyl Arenes with <i>N</i>-Hydroxyphthalimide. Journal of Organic Chemistry, 2021, 86, 18107-18116.	1.7	7
132	New transformation of cycloalkanone acetals by peracids Î±,Ï‰-dicarboxylic acids synthesis. Open Chemistry, 2005, 3, 417-431.	1.0	6
133	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.	0.4	6
134	Cyclic peroxides and related initiating systems for radical polymerization of methyl methacrylate. Russian Chemical Bulletin, 2013, 62, 1282-1285.	0.4	6
135	Hidden Reactivity of Barbituric and Meldrumâ€™s Acids: Atom-Efficient Free Radical Câ€“O Coupling with N-Hydroxy Compounds. Synthesis, 0, 54, .	1.2	6
136	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.	1.0	6
137	Electrooxidative rearrangement of 5,(n + 6)-dimethoxy-1-oxabicyclo[n.4.0]alkanes (n = 4, 10) into Ï‰-(2-methoxytetrahydrofur-2-yl)alkanoic esters. Mendeleev Communications, 1998, 8, 239-240.	0.6	5
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