Ivan A Yaremenko

List of Publications by Year
in descending order

37	1,094	393982	395343
papers	citations	19 h-index	33 g-index

46	46	46	810
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Rearrangements of organic peroxides and related processes. Beilstein Journal of Organic Chemistry, 2016, 12, 1647-1748.	1.3	156
2	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
3	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
4	Peroxides with Anthelmintic, Antiprotozoal, Fungicidal and Antiviral Bioactivity: Properties, Synthesis and Reactions. Molecules, 2017, 22, 1881.	1.7	54
5	Synthesis of Asymmetric Peroxides: Transition Metal (Cu, Fe, Mn, Co) Catalyzed Peroxidation of Î²-Dicarbonyl Compounds with tert-Butyl Hydroperoxide. Journal of Organic Chemistry, 2010, 75, 5065-5071.	1.7	49
6	Stereoelectronic Control in the Ozoneâ€Free Synthesis of Ozonides. Angewandte Chemie - International Edition, 2017, 56, 4955-4959.	7.2	44
7	Novel Peroxides as Promising Anticancer Agents with Unexpected Depressed Antimalarial Activity. ChemMedChem, 2018, 13, 902-908.	1.6	44
8	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
9	Selective Synthesis of Cyclic Peroxides from Triketones and H₂O₂. Journal of Organic Chemistry, 2012, 77, 1833-1842.	1.7	43
10	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
11	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
12	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
13	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
14	Synthetic Strategies for Peroxide Ring Construction in Artemisinin. Molecules, 2017, 22, 117.	1.7	30
15	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
16	Synthetic Peroxides Promote Apoptosis of Cancer Cells by Inhibiting Pâ€Glycoprotein ABCB5. ChemMedChem, 2020, 15, 1118-1127.	1.6	28
17	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
18	General methods for the preparation of 1,2,4,5-tetraoxanes â€“ key structures for the development of peroxidic antimalarial agents. Chemistry of Heterocyclic Compounds, 2012, 48, 55-58.	0.6	21

#	Article	IF	Citations
19	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
20	Cyclic Synthetic Peroxides Inhibit Growth of Entomopathogenic Fungus Ascosphaera apis without Toxic Effect on Bumblebees. Molecules, 2020, 25, 1954.	1.7	19
21	Synthesis of peroxides from Î²,Î´-triketones under heterogeneous conditions. Russian Journal of Organic Chemistry, 2015, 51, 1681-1687.	0.3	18
22	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
23	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
24	Synthesis and in vitro Study of Artemisinin/Synthetic Peroxideâ€Based Hybrid Compounds against SARSâ€CoVâ€2 and Cancer. ChemMedChem, 2022, 17, .	1.6	17
25	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
26	Stereoelectronic Control in the Ozoneâ€Free Synthesis of Ozonides. Angewandte Chemie, 2017, 129, 5037-5041.	1.6	15
27	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
28	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
29	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
30	Lewis Acids and Heteropoly Acids in the Synthesis of Organic Peroxides. Pharmaceuticals, 2022, 15, 472.	1.7	8
31	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
32	Application of BF3Â·Et2O in the synthesis of cyclic organic peroxides (microreview). Chemistry of Heterocyclic Compounds, 2020, 56, 1146-1148.	0.6	6
33	Selective transformation of tricyclic peroxides with pronounced antischistosomal activity into 2-hydroxy-1,5-diketones using iron (II) salts. Tetrahedron, 2016, 72, 3421-3426.	1.0	5
34	Promising hydrogen peroxide stabilizers for large-scale application: unprecedented effect of aryl alkyl ketones. Mendeleev Communications, 2016, 26, 329-331.	0.6	3
35	Development of Biodegradable Delivery Systems Containing Novel 1,2,4-Trioxolane Based on Bacterial Polyhydroxyalkanoates. Advances in Polymer Technology, 2022, 2022, 1-14.	0.8	3
36	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.	1.6	2

#	Article	IF	Citations
37	FERROTSENNING AYRIM SPIRTLARI SINTEZI. , 2022, 1, 25-43.		2