

Ivan A Yaremenko

List of Publications by Citations

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34
papers

729
citations

16
h-index

26
g-index

46
ext. papers

909
ext. citations

6.2
avg, IF

4.16
L-index

#	Paper	IF	Citations
34	Rearrangements of organic peroxides and related processes. <i>Beilstein Journal of Organic Chemistry</i> , 2016 , 12, 1647-748	2.5	115
33	Identification of antischistosomal leads by evaluating bridged 1,2,4,5-tetraoxanes, alhaperoxides, and tricyclic monoperoxides. <i>Journal of Medicinal Chemistry</i> , 2012 , 55, 8700-11	8.3	59
32	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, 5065-477	4.7	46
31	Phosphomolybdic and phosphotungstic acids as efficient catalysts for the synthesis of bridged 1,2,4,5-tetraoxanes from 1,5-diketones and hydrogen peroxide. <i>Organic and Biomolecular Chemistry</i> , 2013 , 11, 2613-23	3.9	39
30	Peroxides with Anthelmintic, Antiprotozoal, Fungicidal and Antiviral Bioactivity: Properties, Synthesis and Reactions. <i>Molecules</i> , 2017 , 22,	4.8	37
29	Stereoelectronic Control in the Ozone-Free Synthesis of Ozonides. <i>Angewandte Chemie - International Edition</i> , 2017 , 56, 4955-4959	16.4	36
28	Selective synthesis of cyclic peroxides from triketones and H ₂ O ₂ . <i>Journal of Organic Chemistry</i> , 2012 , 77, 1833-42	4.2	34
27	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 <i>Schistosoma mansoni</i> . <i>Bioorganic and Medicinal Chemistry</i> , 2015 , 23, 5175-81	3.4	30
26	Novel Peroxides as Promising Anticancer Agents with Unexpected Depressed Antimalarial Activity. <i>ChemMedChem</i> , 2018 , 13, 902-908	3.7	29
25	Ozone-Free Synthesis of Ozonides: Assembling Bicyclic Structures from 1,5-Diketones and Hydrogen Peroxide. <i>Journal of Organic Chemistry</i> , 2018 , 83, 4402-4426	4.2	29
24	Cyclic peroxides as promising anticancer agents: in vitro cytotoxicity study of synthetic ozonides and tetraoxanes on human prostate cancer cell lines. <i>Medicinal Chemistry Research</i> , 2017 , 26, 170-179	2.2	29
23	Stereoelectronic power of oxygen in control of chemical reactivity: the anomeric effect is not alone. <i>Chemical Society Reviews</i> , 2021 , 50, 10253-10345	58.5	28
22	Approach for the preparation of various classes of peroxides based on the reaction of triketones with H ₂ O ₂ : first examples of ozonide rearrangements. <i>Chemistry - A European Journal</i> , 2014 , 20, 10160-9	4.8	24
21	Synthetic Strategies for Peroxide Ring Construction in Artemisinin. <i>Molecules</i> , 2017 , 22,	4.8	23
20	Boron Trifluoride as an Efficient Catalyst for the Selective Synthesis of Tricyclic Monoperoxides from 1,5-Triketones and H ₂ O ₂ . <i>Synthesis</i> , 2013 , 45, 246-250	2.9	22
19	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
18	Stereoelectronic Control in the Ozone-Free Synthesis of Ozonides. <i>Angewandte Chemie</i> , 2017 , 129, 5037-5041	15	15

17	Synthetic Peroxides Promote Apoptosis of Cancer Cells by Inhibiting P-Glycoprotein ABCB5. <i>ChemMedChem</i> , 2020 , 15, 1118-1127	3.7	15
16	General methods for the preparation of 1,2,4,5-tetraoxanes [key structures for the development of peroxidic antimalarial agents. <i>Chemistry of Heterocyclic Compounds</i> , 2012 , 48, 55-58	1.4	15
15	Synthesis of peroxides from α -triketones under heterogeneous conditions. <i>Russian Journal of Organic Chemistry</i> , 2015 , 51, 1681-1687	0.7	13
14	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
13	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
12	Cyclic Synthetic Peroxides Inhibit Growth of Entomopathogenic Fungus without Toxic Effect on Bumblebees. <i>Molecules</i> , 2020 , 25,	4.8	8
11	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
10	Preparation of a microsized cerium chloride-based catalyst and its application in the Michael addition of β -diketones to vinyl ketones. <i>New Journal of Chemistry</i> , 2014 , 38, 1493-1502	3.6	8
9	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
8	Oxidation of Substituted β -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
7	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
6	Promising hydrogen peroxide stabilizers for large-scale application: unprecedented effect of aryl alkyl ketones. <i>Mendeleev Communications</i> , 2016 , 26, 329-331	1.9	2
5	Application of BF ₃ Et ₂ O in the synthesis of cyclic organic peroxides (microreview). <i>Chemistry of Heterocyclic Compounds</i> , 2020 , 56, 1-3	1.4	1
4	Selective transformation of tricyclic peroxides with pronounced antischistosomal activity into 2-hydroxy-1,5-diketones using iron (II) salts. <i>Tetrahedron</i> , 2016 , 72, 3421-3426	2.4	1
3	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. <i>Photochemical and Photobiological Sciences</i> , 2019 , 18, 1130-1137	4.2	1
2	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
1	FERROTSENNING AYRIM SPIRTLARI SINTEZI 2022 , 1, 25-43		0