Iosip A Opeida

List of Publications by Year
in descending order

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75 papers	211 citations	1307594 7 h-index	1199594 12 g-index
75 all docs	75 docs citations	75 times ranked	249 citing authors

#	Article	IF	Citations
1	Superelectrophilic activation of 5-hydroxymethylfurfural and 2,5-diformylfuran: organic synthesis based on biomass-derived products. Beilstein Journal of Organic Chemistry, 2016, 12, 2125-2135.	2.2	22
2	Action of N-hydroxyphthalimide on chain stereoregularity in the radical polymerization of methyl methacrylate. Theoretical and Experimental Chemistry, 2011, 47, 30-35.	0.8	19
3	On the mechanism of oxidation process initiation by the N-hydroxyphthalimide-cobalt (II) acetate system. Russian Journal of Physical Chemistry A, 2012, 86, 366-368.	0.6	14
4	Complexes of N-hydroxyphthalimide and cobalt(II) acetate in reactions of alkylarene oxidation by molecular oxygen. Russian Journal of Physical Chemistry A, 2011, 85, 1119-1123.	0.6	12
5	The Role of N-hydroxyphthalimide in the oxidation reactions of alkylarenes with molecular oxygen. Petroleum Chemistry, 2009, 49, 389-392.	1.4	11
6	Electronic structure of ring and chain substituted styrenes and their reactivities in the reaction with peroxyl radicals. Perkin Transactions II RSC, 2000, , 1273-1279.	1.1	10
7	Hydrogen Atom Transfer from Benzyl Alcohols to N-Oxyl Radicals. Reactivity Parameters. Journal of Organic Chemistry, 2021, 86, 3792-3799.	3.2	9
8	Kinetics of amine catalysed oxidation of anthrone by oxygen in aprotic solvents. Russian Journal of Physical Chemistry A, 2010, 84, 391-394.	0.6	8
9	Silver Nanoparticle Catalysis of the Liquid-Phase Radical Chain Oxidation of Cumene by Molecular Oxygen. Theoretical and Experimental Chemistry, 2017, 52, 369-374.	0.8	8
10	Reactivity of Alkoxy Radicals in Î²-Cleavage Reactions. Russian Journal of Organic Chemistry, 2001, 37, 1405-1408.	0.8	7
11	Magnetically Separable Nanocatalyst Ag@Ni for the Liquid-Phase Oxidation of Cumene. Theoretical and Experimental Chemistry, 2018, 54, 242-246.	0.8	7
12	Kinetics of oxidation of benzyl alcohols with molecular oxygen catalyzed by Nâ€hydroxyphthalimide: Role of hydroperoxyl radicals. International Journal of Chemical Kinetics, 2019, 51, 679-688.	1.6	7
13	The reactivity of tert-butoxyl radicals in reactions of hydrogen abstraction and Î²-elimination. Russian Chemical Bulletin, 2001, 50, 241-244.	1.5	6
14	Rate constants and isotope effects for the reaction of H-atom abstraction from RH substrates by PINO radicals. Russian Journal of Physical Chemistry A, 2016, 90, 2142-2149.	0.6	6
15	Mechanism of the hydrolysis of N-aryliminotriphenylphosphoranes. Kinetics and Catalysis, 2005, 46, 21-28.	1.0	5
16	The Oxidative Polymerization of Vinyl Monomers in the Presence ofNâ€Hydroxyphthalimide. ChemistrySelect, 2019, 4, 11826-11832.	1.5	5
17	Intermediates in Reactions of Diacyl Peroxides with Tertiary Aliphatic Amines. Russian Journal of Organic Chemistry, 2003, 39, 642-645.	0.8	4
18	Nature of the Transition State in Peroxyl Radical Recombination. Theoretical and Experimental Chemistry, 2003, 39, 283-287.	0.8	4

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19	N-hydroxyphthalimide-initiated radical polymerization of vinyl monomers. Russian Journal of Applied Chemistry, 2007, 80, 1717-1720.	0.5	3
20	Behavior of ascorbic acid in hetero- and homophase chain-radical oxidation processes. Russian Journal of Applied Chemistry, 2009, 82, 98-101.	0.5	3
21	Kinetics and mechanism of the addition of the phthalimid-n-oxyl radical to the double bond of vinyl compounds. Theoretical and Experimental Chemistry, 2010, 46, 107-111.	0.8	3
22	Complex formation of hydroperoxides with Alk4NBr according to NMR spectroscopy data. Russian Chemical Bulletin, 2014, 63, 1717-1721.	1.5	3
23	Inhibition by Hydrogen Peroxide in the Radical Chain Oxidation of Hydrocarbons by Molecular Oxygen. Theoretical and Experimental Chemistry, 2019, 55, 36-42.	0.8	3
24	A new chemiluminescence emitter in the hydroquinone-inhibited reaction of cumene oxidation by oxygen. Theoretical and Experimental Chemistry, 1994, 30, 85-89.	0.8	2
25	Title is missing!. Theoretical and Experimental Chemistry, 2002, 38, 37-42.	0.8	2
26	Oxidation of Anthrone with Oxygen in DMSO. Russian Journal of Organic Chemistry, 2002, 38, 905-906.	0.8	2
27	Reactions of O2–Containing Supramolecules with Alkyl Halides. Russian Journal of General Chemistry, 2004, 74, 1016-1019.	0.8	2
28	Reactivity of cyano-substituted fluorenes in reaction with the tempo radical. Theoretical and Experimental Chemistry, 2006, 42, 22-25.	0.8	2
29	Oxidation of cumene in the presence of high concentrations of ascorbic acid. Russian Journal of Applied Chemistry, 2011, 84, 427-430.	0.5	2
30	Anthrone complexation with aliphatic amines in an aprotic medium. Russian Journal of Physical Chemistry A, 2013, 87, 1470-1473.	0.6	2
31	Catalytic activity of amines in the oxidation of anthrone. Russian Journal of Organic Chemistry, 2014, 50, 1443-1447.	0.8	2
32	Effect of Medium Acidity on the Rate of Oxidative Functionalization of Hydrocarbons in Sulfuric Acid Solutions. Kinetics and Catalysis, 2020, 61, 557-568.	1.0	2
33	Kinetic principles of low-temperature oxidation of mixtures of benzyl alcohol and cumene. Theoretical and Experimental Chemistry, 1976, 10, 668-671.	0.8	1
34	Electronic structure of alkyl and aryl peroxide radicals. Journal of Structural Chemistry, 1978, 18, 762-763.	1.0	1
35	Influence of the solvent on the rate constant of the reaction of the cumylperoxy radical with benzyl alcohol. Theoretical and Experimental Chemistry, 1986, 21, 589-593.	0.8	1
36	Characteristics of transition state and reactivity of hydrocarbon molecules in reaction of hydrogen atom abstraction by peroxide radicals. Theoretical and Experimental Chemistry, 1991, 27, 418-420.	0.8	1

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37	Role of the medium in the cooxidation of cumene with benzyl alcohol. Theoretical and Experimental Chemistry, 1991, 26, 570-575.	0.8	1
38	Kinetics of Reaction between Superoxide Anion and Propyl Bromide. Russian Journal of Organic Chemistry, 2002, 38, 1689-1690.	0.8	1
39	Benzoyl peroxide?tetraalkylammonium iodide system as an initiator of the low-temperature oxidation of cumene. Kinetics and Catalysis, 2004, 45, 774-780.	1.0	1
40	Initiation of radical-chain processes with mixtures of benzoyl peroxide and azobis(isobutyronitrile). Russian Journal of Applied Chemistry, 2006, 79, 823-826.	0.5	1
41	Joint action of antioxidants of phenol type and superoxide anion in the oxidation reactions. Russian Journal of General Chemistry, 2009, 79, 2183-2186.	0.8	1
42	The influence of the structure of aliphatic amine on its catalytic activity in the oxidation of anthrone in dimethyl sulfoxide. Russian Journal of Physical Chemistry A, 2011, 85, 1094-1096.	0.6	1
43	Simulation of cumene oxidation in the presence of a binary mixture of initiators. Petroleum Chemistry, 2011, 51, 226-229.	1.4	1
44	Mechanism of the catalysis by aliphatic amines of the oxidation of anthrone with molecular oxygen. Theoretical and Experimental Chemistry, 2011, 47, 129-134.	0.8	1
45	Deuterium isotope effect in the reaction of anthrone oxidation with molecular oxygen catalyzed with aliphatic amines. Russian Journal of General Chemistry, 2014, 84, 209-213.	0.8	1
46	Oxidation of cumene in an aprotic medium in the presence of ascorbic acid. Russian Journal of Physical Chemistry A, 2015, 89, 963-967.	0.6	1
47	Use of the additivity principle in the calculation of the free energy of activation of radical reactions. Theoretical and Experimental Chemistry, 1970, 3, 414-418.	0.8	0
48	Method for the determination of the rate constants for the reactions of peroxy radicals with triphenylmethane. Theoretical and Experimental Chemistry, 1973, 6, 307-311.	0.8	0
49	Cross-chain termination reactions by alkylaromatic hydrocarbon peroxy radicals. Theoretical and Experimental Chemistry, 1976, 11, 499-503.	0.8	0
50	Influence of the reactions of alkyl radicals on the characteristics of an unbranched process of the oxidation of binary mixtures. Theoretical and Experimental Chemistry, 1976, 11, 188-192.	0.8	0
51	The oxidation of binary mixtures by the intermittent illumination method. Theoretical and Experimental Chemistry, 1977, 13, 192-195.	0.8	0
52	Electronic structure of alkyl peroxide and hydroxyperoxide radicals. Journal of Structural Chemistry, 1977, 17, 455-457.	1.0	0
53	A description of the cooxidation kinetics of ternary systems using an equation for binary mixtures. Theoretical and Experimental Chemistry, 1978, 14, 250-254.	0.8	0
54	Isomerization of the peroxide radical of diisopropyl ketone. Theoretical and Experimental Chemistry, 1979, 14, 430-433.	0.8	0

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55	Analysis of the dependence of the rate of cooxidation on the composition of a binary mixture. Theoretical and Experimental Chemistry, 1980, 16, 194-197.	0.8	0
56	Kinetics of the oxidation of mixtures of hydrocarbons under intermittent illumination conditions with short chains. Theoretical and Experimental Chemistry, 1981, 16, 297-300.	0.8	0
57	Electronic structure and magnetic?resonance parameters of peroxide radicals. Theoretical and Experimental Chemistry, 1983, 19, 17-23.	0.8	0
58	Kinetics of inhibited oxidation of mixtures of hydrocarbons. Theoretical and Experimental Chemistry, 1990, 26, 293-299.	0.8	0
59	Influence of cation structure on decomposition of diacyl peroxides activated by chloride salts of amines. Theoretical and Experimental Chemistry, 1993, 28, 254-257.	0.8	0
60	The role of charge transfer in the stripping of a hydrogen atom by peroxide radicals. Theoretical and Experimental Chemistry, 1994, 29, 26-28.	0.8	0
61	Kinetics of the initial stage of catalytic radical chain oxidation of cumene with catalyst deactivation. Theoretical and Experimental Chemistry, 1994, 30, 56-60.	0.8	0
62	Effect of the activators Et3NHCl and Et4Nï¿½CL on the decomposition of benzoyl peroxide. Theoretical and Experimental Chemistry, 1995, 31, 48-52.	0.8	0
63	Influence on solvent on decomposition rate of benzoyl peroxide in the presence of Et4Nï¿½Br or Et4Nï¿½Cl. Theoretical and Experimental Chemistry, 1996, 32, 74-77.	0.8	0
64	Title is missing!. Theoretical and Experimental Chemistry, 2001, 37, 47-52.	0.8	0
65	Title is missing!. Theoretical and Experimental Chemistry, 2001, 37, 185-188.	0.8	0
66	Title is missing!. Kinetics and Catalysis, 2001, 42, 613-614.	1.0	0
67	Title is missing!. Theoretical and Experimental Chemistry, 2003, 39, 242-246.	0.8	0
68	Initiation of methyl methacrylate polymerization with the systems benzoyl peroxide-onium salt and benzoyl peroxide-aminostyrylpyridine. Russian Journal of Applied Chemistry, 2004, 77, 1869-1872.	0.5	0
69	Intermediates in Reactions of Diacyl Peroxides with Tertiary Aliphatic Amines.. ChemInform, 2004, 35, no.	0.0	0
70	Specifics of cumene oxidation in the presence of a binary mixture of initiators. Petroleum Chemistry, 2008, 48, 381-388.	1.4	0
71	Oxidation of Anthrone with Oxygen in DMSO.. ChemInform, 2002, 33, 99-99.	0.0	0
72	Reactions between a superoxide anion and alkyl bromides in dimethyl sulfoxide. Russian Journal of Physical Chemistry A, 2011, 85, 1737-1741.	0.6	0

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73	Quantum-chemical investigation of methane intercalation into the interplane space of graphite-like systems. Russian Journal of Physical Chemistry A, 2012, 86, 1084-1087.	0.6	0
74	Effect of the Polarity of the Medium on the Kinetics of the Radical-Chain Oxidation of Cumene in the Presence of Ascorbic Acid. Russian Journal of Physical Chemistry A, 2019, 93, 661-664.	0.6	0
75	Activation of Câ€“H bonds of normal alkanes in sulfuric acid solutions of Mn(III)/Mn(II). Catalysis and Petrochemistry, 2021, , 75-85.	0.3	0