Rustam L Safiullin

List of Publications by Year
in descending order

Source: https://exaly.com/author-pdf/9493738/publications.pdf

Version: 2024-02-01

105	636	686830 13	839053 18
papers	citations	h-index	g-index

107	107	107	310
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Isomeric forms of arylnitroso oxides: Electronic spectra and reactivity. Kinetics and Catalysis, 2006, 47, 549-554.	0.3	31
2	Formation of Nitroso Oxides in the Photolysis of Aromatic Azides: Analysis of Products; Reaction Kinetics and Mechanism. Kinetics and Catalysis, 2004, 45, 640-648.	0.3	30
3	RRKM and Ab Initio Investigation of the NH (X) Oxidation by Dioxygen. Journal of Physical Chemistry A, 2009, 113, 6468-6476.	1.1	30
4	A Revised Mechanism of Thermal Decay of Arylnitroso Oxides. Journal of Physical Chemistry A, 2012, 116, 8142-8147.	1.1	22
5	Kinetics of the liquid-phase oxidation of 1,4-dioxane in the presence of inhibitors. Kinetics and Catalysis, 2008, 49, 366-370.	0.3	20
6	Quantum-chemical modeling of the detachment of hydrogen atoms by the sulfate radical anion. Russian Journal of Physical Chemistry A, 2006, 80, 366-371.	0.1	16
7	Reactions of arylnitroso oxides with substituted styrenes: Kinetics and products. Kinetics and Catalysis, 2009, 50, 174-179.	0.3	15
8	Inhibiting effect of 6-methyluracil derivatives on the free -radical oxidation of 1,4-dioxane. Russian Chemical Bulletin, 2010, 59, 517-521.	0.4	15
9	Interplay of Conformational and Chemical Transformations of Ortho-Substituted Aromatic Nitroso Oxides: Experimental and Theoretical Study. Journal of Organic Chemistry, 2017, 82, 7750-7763.	1.7	15
10	Effect of the structure of reactants on the reaction rate constants of aromatic nitroso oxides with olefins. Kinetics and Catalysis, 2004, 45, 794-798.	0.3	14
11	Reactivity of arylnitroso oxides to triphenylphosphine. Kinetics and Catalysis, 2009, 50, 527-529.	0.3	14
12	Thermal Intramolecular Transformation of Key Intermediates in the Photooxidation of para-Allyl-Substituted Phenyl Azide. Journal of Physical Chemistry A, 2013, 117, 2728-2737.	1.1	14
13	Inversion of diastereoselectivity under high pressure conditions: Dielsâ€“Alder reactions of 12-N-substituted derivatives of (â˜)-cytisine with N-phenylmaleimide. Tetrahedron: Asymmetry, 2015, 26, 732-737.	1.8	14
14	Conformational Transformations in Aromatic Nitroso Oxides. Journal of Physical Chemistry A, 2016, 120, 5693-5705.	1.1	14
15	Theoretical investigation of the electronic spectra of aromatic nitrosooxides with allowance for solvent effects. Journal of Structural Chemistry, 2006, 47, 1051-1058.	0.3	13
16	Inhibiting effect of 5-amino-5-methyluracil and its derivatives on the free-radical oxidation of 1,4-dioxane. Kinetics and Catalysis, 2012, 53, 665-672.	0.3	13
17	Analysis of the reactivities of organic compounds in hydrogen atom abstraction from their C-H bonds by the sulfate radical anion SO 4 Â·â˜. Kinetics and Catalysis, 2008, 49, 202-211.	0.3	12
18	Free-radical chain oxidation of 1,4-dioxane and styrene in the presence of fullerene C60. Kinetics and Catalysis, 2013, 54, 709-715.	0.3	12

#	Article	IF	Citations
19	Synthesis of nitrogen-containing heterocyclic compounds by photooxidation of aromatic azides. Tetrahedron Letters, 2013, 54, 2140-2142.	0.7	12
20	No Longer a Complex, Not Yet a Molecule: A Challenging Case of Nitrosyl O-Hydroxide, HOON. Journal of Physical Chemistry A, 2013, 117, 679-685.	1.1	12
21	A new intramolecular transformation of aromatic nitroso oxides. Russian Journal of Physical Chemistry A, 2012, 86, 235-243.	0.1	11
22	4-N,N-Dimethylaminophenyl azide photooxidation: effect of conditions on the reaction pathway. Ring contraction of benzene to cyclopentadiene due to a strongly electron-donating substituent. Tetrahedron Letters, 2015, 56, 4661-4665.	0.7	10
23	Aza-Michael reaction of 12-N-carboxamide of (â€“)-cytisine under high pressure conditions. Natural Product Research, 2015, 29, 141-148.	1.0	10
24	Phenylnitroso Oxide: Formation and Decay Kinetics. Doklady Physical Chemistry, 2003, 390, 163-165.	0.2	9
25	Kinetics of copper(II)-catalyzed cyclopropanation of olefins. Kinetics and Catalysis, 2008, 49, 43-51.	0.3	9
26	The reaction of nitroso oxides with olefins: Concerted or nonconcerted addition?. Russian Journal of Physical Chemistry A, 2011, 85, 364-376.	0.1	9
27	Antiradical activity of 5-amino-1,3,6-trimethyluracil in the radical chain oxidation of ethylbenzene as the model system. Kinetics and Catalysis, 2013, 54, 279-283.	0.3	9
28	Kinetics and mechanism of the nitrosobenzene deoxygenation by trivalent phosphorous compounds. Russian Chemical Bulletin, 2013, 62, 2477-2486.	0.4	9
29	Antioxidant Activity of 2-Aminothiazoles Containing a Diterpene Fragment in the Model System of the Liquid-Phase Radical-Chain Oxidation of 1,4-Dioxane. Kinetics and Catalysis, 2020, 61, 232-237.	0.3	9
30	Medium effect on the decay kinetics of benzophenone oxide. Reaction Kinetics and Catalysis Letters, 1997, 61, 173-174.	0.6	8
31	Electronic Spectra and Decay Kinetics of Isomeric Forms of 4-Methoxyphenylnitroso Oxide. Doklady Physical Chemistry, 2005, 403, 133-135.	0.2	8
32	Pulse photolysis rate constants of the decay of ester peroxide radicals. Reaction Kinetics and Catalysis Letters, 1984, 24, 19-23.	0.6	7
33	A simple one-pot preparation of 3,3a-dihydro-5H-pyrano[3,3a-c]isoxazol-5-ylideneethanal from 4-vinyloxyphenyl azide: an example of aromatic azide photooxidation for the synthesis of nitrogen-containing heterocyclic compounds. Tetrahedron Letters, 2015, 56, 1332-1334.	0.7	7
34	On the mechanism for the photooxidation of aromatic azides containing a secondary Nâ€“H bond: A sequence of intramolecular transformations with the formation of heterocyclic oximes. Tetrahedron Letters, 2018, 59, 3267-3271.	0.7	7
35	Effect of Fullerene Containing a Maleopimarimide Substituent on the Kinetics of Liquid-Phase Radical Chain Oxidation of Ethylbenzene. Kinetics and Catalysis, 2019, 60, 21-27.	0.3	7
36	Diffusion-controlled recombination of peroxide radicals in polyatomic esters. Reaction Kinetics and Catalysis Letters, 1987, 33, 453-458.	0.6	6

#	Article	IF	Citations
37	Pulse photolysis of ditertbutyl peroxide in benzene. Reaction Kinetics and Catalysis Letters, 1989, 39, 261-266.	0.6	6
38	Optically pure acyclic bifunctional compounds from (?)-menthone. Synthesis ofR-4-methyl-1-nonanol, the sex pheromone of the larger flour beetle (Tenebrio molitor L.). Russian Chemical Bulletin, 1993, 42, 1244-1245.	0.4	6
39	Strong Solvent Effect on the Reactivity of Polar Intermediates Xâ€“Oâ€“O: Isomerization of 4-(N,N-Dimethylamino)phenylnitroso Oxide. Doklady Physical Chemistry, 2004, 396, 138-140.	0.2	6
40	The quantum-chemical modeling of the reaction of nitroso oxides with olefins. Russian Journal of Physical Chemistry B, 2009, 3, 529-536.	0.2	6
41	Kinetics of the initiated and inhibited oxidation of methyl oleate in homogeneous and aqueous emulsion media. Kinetics and Catalysis, 2011, 52, 785-792.	0.3	6
42	Reaction kinetics of alkyl and alkylperoxide radicals. Reaction Kinetics and Catalysis Letters, 1986, 31, 355-359.	0.6	5
43	Quantitative description of the effect of solvent on kinetics of benzophenone oxide decay. Reaction Kinetics and Catalysis Letters, 1998, 65, 311-314.	0.6	5
44	Chain processes in the reduction of aromatic nitroso compounds by triphenylphosphine in the presence of oxygen. Russian Chemical Bulletin, 2009, 58, 926-928.	0.4	5
45	Flash photolysis study of the reactivity of isomeric forms of arylnitroso oxides toward triphenyl phosphite. High Energy Chemistry, 2009, 43, 467-470.	0.2	5
46	Kinetics of reactions between arylnitroso oxides and methyl vinyl ketone. Kinetics and Catalysis, 2009, 50, 97-102.	0.3	5
47	Products of 6-azidoquinoline photooxidation: Thermal and photochemical routes of nitroso oxide consumption. Doklady Chemistry, 2012, 442, 30-33.	0.2	5
48	The mechanism of 5-amino-6-methyluracil oxidation with 1,4-dioxanyl peroxyl radical. Chemistry of Heterocyclic Compounds, 2015, 51, 162-165.	0.6	5
49	Ortho-Cyclization in Asymmetrically Substituted Arylnitroso Oxides. Journal of Organic Chemistry, 2020, 85, 10813-10822.	1.7	5
50	Kinetics of the reaction between cyclohexylsulfonyl and cyclohexyl radicals. Reaction Kinetics and Catalysis Letters, 1982, 19, 65-69.	0.6	4
51	Chemiluminescence during deoxygenation of nitrosobenzene with triphenylphosphine. High Energy Chemistry, 2009, 43, 147-148.	0.2	4
52	A flash photolysis and theoretical study of the reaction of arylnitroso oxides with phosphorus(III) compounds. High Energy Chemistry, 2010, 44, 284-289.	0.2	4
53	Redox isomerization of aromatic nitroso oxides. Doklady Chemistry, 2012, 442, 12-14.	0.2	4
54	Effect of metallocenes on benzoyl peroxide decomposition. Kinetics and Catalysis, 2015, 56, 71-75.	0.3	4

#	Article	IF	Citations
55	Kinetics of the radical-chain oxidation of methyl oleate inhibited by 5-amino-6-methyluracil and 5-amino-1,3,6-trimethyluracil. Kinetics and Catalysis, 2015, 56, 125-131.	0.3	4
56	Free-radical chain oxidation of 1,4-dioxane inhibited by 2-thio-6-aminouracil. Kinetics and Catalysis, 2016, 57, 154-158.	0.3	4
57	Mechanism of 5-amino-6-methyluracil-inhibited oxidation of organic compounds. Kinetics and Catalysis, 2016, 57, 758-767.	0.3	4
58	Structureâ€activity relationship in the case of intramolecular orthoâ€cyclization of aromatic nitroso oxides: Inverted steric effect of substituent in the 2â€Râ€C₆H₄NOO transformation. International Journal of Quantum Chemistry, 2020, 120, e26094.	1.0	4
59	Formation of 1,2,4-oxadiazoles in the course of photooxidation of aromatic azides in acetonitrile. Mendeleev Communications, 2021, 31, 233-235.	0.6	4
60	Recombination of polyatomic ester peroxy radicals in solution. Reaction Kinetics and Catalysis Letters, 1987, 34, 427-432.	0.6	3
61	The oxidation of secondary amines by alkanesulfonic peracids. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1990, 39, 1045-1047.	0.0	3
62	Oxidation of olefins with alkanesulfoperacids. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1991, 40, 280-284.	0.0	3
63	Enantiospecific synthesis of (S)-(+)-3-methylheneicosan-2-one, an analog of the sex pheromone of the German cockroach (Blatella germanica L.) from (âˆ')-(1R,4S)-menthone. Russian Chemical Bulletin, 1997, 46, 1033-1035.	0.4	3
64	Absolute rate constants of decay of aryl-substituted carbonyl oxides. Russian Chemical Bulletin, 1999, 48, 672-676.	0.4	3
65	Reaction of levoglucosenone with Daneâ€™s diene. Russian Journal of Organic Chemistry, 2015, 51, 1725-1728.	0.3	3
66	Kinetics and Mechanism of the Reactions of Aromatic Nitroso Oxides with Tetracyanoethylene. Kinetics and Catalysis, 2019, 60, 155-163.	0.3	3
67	Reactivity of Peroxyl Radicals with 5-Methyl-4-[(Propylsulfanyl)methyl]-2,4-Dihydro-3H-Pyrazol-3-one. Kinetics and Catalysis, 2021, 62, 56-61.	0.3	3
68	Influence of 1,3-dichloroacetone on the regularities of decay of arylnitroso oxides. Russian Chemical Bulletin, 2009, 58, 2437-2442.	0.4	2
69	Fatty acid composition of Oenothera biennis seed oil during storage. Antioxidant activity. Chemistry of Natural Compounds, 2010, 46, 278-282.	0.2	2
70	Synthesis and inhibiting activity of pyrocatechol monoethers. Petroleum Chemistry, 2012, 52, 432-436.	0.4	2
71	Reaction of levoglucosenone with (Â±)-Î±-terpineol and its acetate. Russian Journal of Organic Chemistry, 2014, 50, 1848-1850.	0.3	2
72	The substituent effects on the [3+2] cycloaddition of nitrile oxides generated by photooxidation of arylazides to acetonitrile. Journal of Molecular Graphics and Modelling, 2020, 95, 107491.	1.3	2

#	Article	IF	Citations
73	Rate Constants of the Interaction of 2-Thio-6-Aminouracil with Peroxyl Radicals. Kinetics and Catalysis, 2021, 62, 49-55.	0.3	2
74	Quantitative Analysis of the Antioxidant Activity of Mexidol. Pharmaceutical Chemistry Journal, 2021, 54, 1282-1285.	0.3	2
75	para-Substituent Effect on the Decay Kinetics of the Isomeric Forms of Aromatic Nitroso Oxides. Kinetics and Catalysis, 2022, 63, 172-179.	0.3	2
76	Decay kinetics of benzophenone oxide in the liquid phase. Russian Chemical Bulletin, 1998, 47, 1292-1295.	0.4	1
77	The kinetics of acid-catalyzed decomposition of decanepersulfonic acid. Russian Chemical Bulletin, 1999, 48, 201-202.	0.4	1
78	Kinetics of oxidation of alkanes and their derivatives byn-decanepersulfonic acid. Russian Chemical Bulletin, 2000, 49, 819-822.	0.4	1
79	Formation of stable carbonyl oxide by photooxidation of (phenyl)(2-thienyl)diazomethane. Russian Chemical Bulletin, 2008, 57, 679-681.	0.4	1
80	Chemiluminescent Method for Determination of Rate Constants for Reactions of Triplet Aromatic Nitrenes. High Energy Chemistry, 2018, 52, 123-130.	0.2	1
81	Reactivity of Arylnitroso Oxide Isomers with Benzoquinones. Kinetics and Catalysis, 2021, 62, 387-394.	0.3	1
82	Kinetics of Methyl Oleate Oxidation in Microemulsion Stabilized with Triton Ð¥-100. I. Lipid-Soluble Initiator 2,2'-Azo-bis-isobutyronitrile. Kinetics and Catalysis, 2021, 62, 573-579.	0.3	1
83	Effect of Succinic Acid on the Antiradical Properties of 5-Hydroxy-6-Methyluracil. Kinetics and Catalysis, 2019, 60, 783-789.	0.3	1
84	On the Mechanism of the [3+2]-Cycloaddition of Phenylnitroso Oxide to trans-Stilbene. Letters in Organic Chemistry, 2019, 16, 161-164.	0.2	1
85	Vibrational kinetics of N-decane sulfoxidation at high pressure. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1984, 33, 1536-1536.	0.0	0
86	Chemiluminescence upon the thermal decomposition of alkanesulfonic peracids. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1986, 35, 1542-1542.	0.0	0
87	Determination of the extinction coefficients of alkyl and alkylsulfonyl radicals. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1986, 35, 1140-1144.	0.0	0
88	Chemiluminescence upon the sulfooxidation of saturated hydrocarbons. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1986, 35, 1314-1314.	0.0	0
89	Hydroxylation of saturated hydrocarbons by alkanesulfonic peracids. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1989, 38, 878-878.	0.0	0
90	Alkanepersulfonic acid-SO2 system as a new sulfonating reagent. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1990, 39, 1991-1991.	0.0	0

#	Article	IF	Citations
91	Alkanepersulfonic acids as new oxidizing agents in the bayervilliger reaction. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1990, 39, 1998-1998.	0.0	0
92	Kinetics of oxidation of 2,2,4,5,5-pentamethyl-1-hydroxy-3-imidazoline-3-oxide by decanepersulfonic acid. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1990, 39, 1136-1138.	0.0	0
93	Kinetics of the reaction of decanesulfoperacid with SO2 in the presence of water. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1991, 40, 469-471.	0.0	0
94	Chemiluminescence in the decomposition of acetylcyclohexanesulfonyl peroxide. Bulletin of the Academy of Sciences of the USSR Division of Chemical Science, 1991, 40, 2316-2316.	0.0	0
95	The kinetics of the oxidation of cyclopentanone with decaneperoxysulfonic acid. Russian Chemical Bulletin, 1993, 42, 1751-1753.	0.4	0
96	Induced decomposition of acetylcyclohexylsulfonyl peroxide. Russian Chemical Bulletin, 1995, 44, 1011-1013.	0.4	0
97	Effect of the solvent on the kinetics of thermal decomposition of acetylcyclohexylsulfonyl peroxide. Russian Chemical Bulletin, 1997, 46, 895-897.	0.4	0
98	The Kinetics of Thermal Decomposition of Acetyl-cyclo-hexylsulfonylperoxide. Kinetics and Catalysis, 2002, 43, 312-315.	0.3	0
99	The Effect of Acids on the Kinetics of Cyclopentanone Oxidation by Decanesulfonic Peracid in an Acetonitrile Solution. Kinetics and Catalysis, 2004, 45, 10-13.	0.3	0
100	Kinetics of the carbomethoxylation of methylacetylene-allene mixtures catalyzed by palladium complexes. Kinetics and Catalysis, 2005, 46, 43-46.	0.3	0
101	Oxidation of 2-methoxy-3,6-dichloropropenylbenzene with ozone. Russian Journal of Applied Chemistry, 2007, 80, 611-614.	0.1	0
102	Contributions from monomolecular and bimolecular reactions to the disappearance of diphenylcarbonyl oxide in solution. Kinetics and Catalysis, 2008, 49, 212-217.	0.3	0
103	Measurement of the rate constants for the interaction of diarylcarbonyl oxides with ketones by the flash photolysis technique. High Energy Chemistry, 2011, 45, 305-309.	0.2	0
104	Condensation of Propan-2-one with Formaldehyde and Propane-2-thiol. Russian Journal of General Chemistry, 2020, 90, 567-571.	0.3	0
105	Neutral Lipids of Common Borage (Borago officinalis L.) Seeds: Stability to Oxidation During Long-Term Storage. Pharmaceutical Chemistry Journal, 0, , .	0.3	0