

Anatoly Kazakov

List of Publications by Citations

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

53
papers

262
citations

9
h-index

12
g-index

53
ext. papers

320
ext. citations

1.2
avg, IF

3.11
L-index

#	Paper	IF	Citations
53	Energetic potential of solid composite propellants based on CL-20-containing bimolecular crystals. <i>Russian Chemical Bulletin</i> , 2016 , 65, 2018-2024	1.7	18
52	Pyrazolyltetrazoles—High-Enthalpy Backbone for Designing High-Energy Compounds: An Experimental Study of the Enthalpy of Formation. <i>Doklady Physical Chemistry</i> , 2018 , 478, 15-18	0.8	13
51	High-Temperature Structural Transformations of 1,1-Diamino-2,2-dinitroethene (FOX-7). <i>Propellants, Explosives, Pyrotechnics</i> , 2016 , 41, 1006-1012	1.7	13
50	Kinetics of thermal decomposition of dinitramide. <i>Russian Chemical Bulletin</i> , 1997 , 46, 2015-2020	1.7	12
49	Kinetics of the thermal decomposition of dinitramide. <i>Russian Chemical Bulletin</i> , 1998 , 47, 379-385	1.7	12
48	Slow large-scale supramolecular structuring as a cause of kinetic anomalies in the liquid-phase oxidation with nitric acid. <i>Russian Chemical Bulletin</i> , 2016 , 65, 984-992	1.7	12
47	Influence of the supramolecular structure of the liquid reaction medium on the kinetics of acetone oxidation with aqueous solutions of nitric acid. <i>Russian Chemical Bulletin</i> , 2013 , 62, 994-1002	1.7	11
46	Enthalpies of formation of 3,4- and 3,5-dinitro-1-trimethyl-1H-pyrazoles. <i>Russian Chemical Bulletin</i> , 2016 , 65, 2783-2788	1.7	11
45	Energetic abilities of nitro derivatives of isomeric (pyrazol-3-yl)tetrazoles as components of solid composite propellants. <i>Russian Chemical Bulletin</i> , 2018 , 67, 1580-1588	1.7	11
44	Thermochemical and Energy Characteristics of Alkoxy-NNO-Azoxy Derivatives of Pyrazole and Nitropyrazoles. <i>Combustion, Explosion and Shock Waves</i> , 2019 , 55, 327-334	1	9
43	Thermochemical and Energy Characteristics of DNTF and DNFF. <i>Combustion, Explosion and Shock Waves</i> , 2018 , 54, 147-157	1	9
42	Kinetics and mechanism of thermal decomposition of ammonium nitrate and sulfate mixtures. <i>Russian Journal of Applied Chemistry</i> , 2011 , 84, 1516-1523	0.8	9
41	Critical phenomena in acetone oxidation by nitric acid. <i>Russian Chemical Bulletin</i> , 2008 , 57, 2065-2071	1.7	9
40	Synthesis and thermal decomposition of ditetrazol-5-ylamine. <i>Russian Chemical Bulletin</i> , 2005 , 54, 1710-1714	1.7	9
39	Structure and properties of cocrystals of trinitrotoluene and 2,4,6,8,10,12-hexanitro-2,4,6,8,10,12-hexaazaisowurtzitane. <i>Russian Chemical Bulletin</i> , 2013 , 62, 1354-1360	1.7	8
38	Energetic properties and impact sensitivity of crystalline explosives. <i>Russian Journal of Physical Chemistry B</i> , 2014 , 8, 701-711	1.2	8
37	Thermochemical and Energy Characteristics of DAzFF and AzNTF. <i>Combustion, Explosion and Shock Waves</i> , 2019 , 55, 148-155	1	7

36	Kinetics and Mechanism of Thermal Decomposition of Guanidinium Nitrate and Its Mixtures with Ammonium Nitrate. <i>Russian Journal of Applied Chemistry</i> , 2004 , 77, 1083-1091	0.8	7
35	Kinetics of heat release during decomposition of cellulose. <i>Combustion, Explosion and Shock Waves</i> , 1993 , 29, 710-713	1	7
34	Preparation and NMR analysis of Cyclodextrin nitrates. <i>Russian Journal of Applied Chemistry</i> , 2014 , 87, 1884-1889	0.8	6
33	Thermochemical and Energy Characteristics of 1,4-Diethynylbenzene. <i>Combustion, Explosion and Shock Waves</i> , 2019 , 55, 644-647	1	6
32	Equilibrium constants of nitration of alcohols and thermal stability of their nitrates. <i>Russian Chemical Bulletin</i> , 1997 , 46, 1707-1709	1.7	5
31	Supramolecular structuring of aqueous solutions of strong acids: manifestations in light scattering, NMR, and oxidation kinetics. Does liquid have a drop-like nature? 1. Nitric acid. <i>Russian Chemical Bulletin</i> , 2018 , 67, 1838-1850	1.7	5
30	Experimental determination of the standard enthalpy of formation of 4H,8H-bis(furazano)[3,4-b:3',4'-e]pyrazine and evaluation of its performance as a dispersant of solid fuels. <i>Russian Chemical Bulletin</i> , 2019 , 68, 1856-1859	1.7	4
29	Properties of complex ammonium nitrate-based fertilizers depending on the degree of phosphoric acid ammoniation. <i>International Journal of Industrial Chemistry</i> , 2017 , 8, 315-327	3.1	4
28	Kinetics of Oxidation of Organic Acids by Ammonium Nitrate. <i>Russian Journal of Applied Chemistry</i> , 2003 , 76, 1214-1220	0.8	4
27	Standard enthalpies of formation of some N-spiranes. <i>Russian Chemical Bulletin</i> , 2011 , 60, 1810-1813	1.7	3
26	Kinetic regularities of the heat release during the reactions of aliphatic hydrocarbons with aqueous HNO ₃ . <i>Russian Chemical Bulletin</i> , 1998 , 47, 32-38	1.7	3
25	Thermochemical and Energy Characteristics of N-(2,2-bis(methoxy-NNO-azoxy)ethyl)nitramines. <i>Combustion, Explosion and Shock Waves</i> , 2020 , 56, 464-470	1	3
24	Influence of the Solvent's Polarity on the Rate of Thermal Decomposition of Nitropyrazoles. <i>Russian Journal of Physical Chemistry B</i> , 2021 , 15, 74-80	1.2	3
23	Murmanite and lomonosovite as Ag-selective ionites: kinetics and products of ion exchange in aqueous AgNO ₃ solutions. <i>Physics and Chemistry of Minerals</i> , 2013 , 40, 625-633	1.6	2
22	Kinetics of cation exchange on hetero-framework microporous titano- and zirconosilicates. <i>Russian Journal of Physical Chemistry B</i> , 2011 , 5, 278-283	1.2	2
21	Kinetics of heat release during the reaction of n-decane with nitrogen dioxide in the liquid phase. <i>Russian Chemical Bulletin</i> , 1997 , 46, 1694-1699	1.7	2
20	Kinetic Aspects and Heats of Reaction between Components in Thermal Decomposition of Ammonium Nitrate-Calcium (Magnesium) Carbonate Mixtures. <i>Russian Journal of Applied Chemistry</i> , 2005 , 78, 1795-1800	0.8	2
19	Ethynyl Aromatic Hydrocarbon Derivatives as Possible Solid Fuel Dispersants. <i>Russian Journal of Physical Chemistry B</i> , 2020 , 14, 579-586	1.2	2

18	Regularities in the Dependence of the Enthalpies of Formation of Certain Conjugated Polynitrogen Heterocyclic Compounds on Their Structure. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 1852-1867	0.8	2
17	Effect of Impurities on Thermal Decomposition Kinetics of Mineral Fertilizers Based on (NH ₄) ₂ HPO ₄ in Self-Generated Atmosphere. <i>Russian Journal of Applied Chemistry</i> , 2018 , 91, 1057-1067	0.8	2
16	Kinetics and mechanism of the leaching of sodium from A-terskite and its influence on ion-exchange properties. <i>Russian Journal of Physical Chemistry B</i> , 2011 , 5, 284-289	1.2	1
15	Kinetics and Mechanism of Thermal Decomposition of a Mixture of Ammonium Nitrate and Pyroxylin. <i>Russian Journal of Applied Chemistry</i> , 2005 , 78, 870-879	0.8	1
14	Kinetics and Mechanism of Thermolysis of Mixtures of Ammonium Nitrate with Polynitro Compounds. <i>Russian Journal of Applied Chemistry</i> , 2005 , 78, 1937-1943	0.8	1
13	Heat release kinetics in the reaction of decane with nitric acid. <i>Russian Chemical Bulletin</i> , 1996 , 45, 1883-1888	1.8	1
12	Thermochemical and Energy Characteristics of Symmetric Nitro and Azido Derivatives of Diazen-Ter-Furazans. <i>Combustion, Explosion and Shock Waves</i> , 2020 , 56, 301-307	1	1
11	Thermal decomposition study of chloride-containing complex ammonium nitrate-based fertilizers by thermogravimetry and differential scanning calorimetry. <i>Russian Journal of Applied Chemistry</i> , 2016 , 89, 1383-1392	0.8	1
10	Kinetic Fundamental Aspects of Heat Release in Thermal Decomposition of 7-Amino-7H-difurazano[3,4-b:3'4'-f] furoxano[3'4'-d]azepine and Binary Fuel on Its Basis. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 1696-1704	0.8	1
9	Standard Enthalpy of Formation of the Bimolecular Crystal of CL-20 with Tris-Oxadiazolo-Azepine and Its Thermal Stability. <i>Combustion, Explosion and Shock Waves</i> , 2018 , 54, 89-96	1	0
8	Influence of Irradiation on the kinetics of heat release during the interaction of an aqueous solution of HNO ₃ with aliphatic hydrocarbons. <i>Russian Chemical Bulletin</i> , 1998 , 47, 1084-1088	1.7	0
7	Thermochemical and Energy Characteristics of Dimers of Terfurazanoazepines. <i>Combustion, Explosion and Shock Waves</i> , 2020 , 56, 621-628	1	0
6	Ignition of Metal Boride Particle-Air Mixtures. <i>Combustion, Explosion and Shock Waves</i> , 2020 , 56, 63-70	1	0
5	Effect of Gaseous Products on the Kinetics of Thermal Decomposition of Chloride-Containing Complex Ammonium Nitrate-Based Fertilizers. <i>Russian Journal of Applied Chemistry</i> , 2020 , 93, 352-361	0.8	
4	Model for thermal self-ignition of two-phase system in a batch reactor. <i>Russian Chemical Bulletin</i> , 2012 , 61, 1049-1056	1.7	
3	Kinetics of thermoinitiated oligomerization of 3,3'-(2,4,6-triethyl-1,3-phenylene)bis(5-methyl-1,2,4-oxadiazole). <i>Russian Chemical Bulletin</i> , 2013 , 62, 1434-1441	1.7	
2	Heat production kinetics and the scope for thermal self-ignition in wheat drying. <i>Combustion, Explosion and Shock Waves</i> , 1994 , 30, 54-58	1	
1	Kinetics of Thermal Decomposition of Solid Propellant Based on Aluminum and Ammonium Perchlorate. <i>Russian Journal of Applied Chemistry</i> , 2019 , 92, 1558-1569	0.8	

