Svatopluk Zeman

List of Publications by Year
in descending order

#	Article	IF	Citations
1	Manifestations of replacing 2,4,6-trinitrotoluene by 2,4-dinitroanisole (DNAN) in compositions based on several interesting nitramines. Journal of Energetic Materials, 2023, 41, 351-364.	1.0	7
2	The influence of energy content and its outputs on the impact sensitivity of high-nitrogen energetic materials. Journal of Energetic Materials, 2022, 40, 1-14.	1.0	9
3	Cisâ€1,3,4,6â€Tetranitrooctahydroimidazoâ€[4,5â€d]Imidazole (BCHMX) as a Part of Low Sensitive Compositions based on DATB or HNAB. Propellants, Explosives, Pyrotechnics, 2021, 46, 322-328.	1.0	5
4	A new insight into the energetic co-agglomerate structures of attractive nitramines. Chemical Engineering Journal, 2021, 420, 130472.	6.6	13
5	Enhancing the explosive characteristics of a Semtex explosive by involving admixtures of BCHMX and HMX. Defence Technology, 2020, 16, 487-492.	2.1	12
6	A new look on the electric spark sensitivity of nitramines. Defence Technology, 2020, 16, 10-17.	2.1	6
7	The Influence of Energy Content and Its Expenditure on the Impact Sensitivity of High-Nitrogen Energetic Materials. Journal of Physics: Conference Series, 2020, 1507, 022031.	0.3	0
8	N-N Bond Lengths and Initiation Reactivity of Nitramines. Central European Journal of Energetic Materials, 2020, 17, 169-200.	0.5	16
9	Influence of the energy content and its outputs on sensitivity of polynitroarenes. Journal of Energetic Materials, 2019, 37, 445-458.	1.0	16
10	The role of crystal lattice free volume in nitramine detonation. Defence Technology, 2019, 15, 519-525.	2.1	2
11	Effect of energy content of the nitraminic plastic bonded explosives on their performance and sensitivity characteristics. Defence Technology, 2019, 15, 488-494.	2.1	23
12	Crystal lattice free volume and thermal decomposition of nitramines. Defence Technology, 2019, 15, 51-57.	2.1	5
13	cis-1,3,4,6-Tetranitrooctahydroimidazo-[4,5-d]imidazole (BCHMX) as a part of explosive mixtures. Defence Technology, 2018, 14, 380-384.	2.1	17
14	Explosive Properties of a High Explosive Composition Based on Cisâ€1,3,4,6â€tetranitrooctahydroimidazoâ€[4,5â€d]imidazole and 1,1â€Diaminoâ€2,2â€dinitroethene (BCHMX/FOXâ€7). Propellants, Explosives, Pyrotechnics, 2018, 43, 472-478.	1.0	13
15	Synthesis, Performance, and Thermal Behavior of a Novel Insensitive EDNA/DAT Coâ€crystal. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 430-437.	0.6	7
16	Physical and thermal impact of lead free ballistic modifiers. Thermochimica Acta, 2018, 662, 16-22.	1.2	6
17	Crystal lattice free volume in a study of initiation reactivity of nitramines: Friction sensitivity. Defence Technology, 2018, 14, 132-136.	2.1	7
18	Thermo-analytical study of glycidyl azide polymer and its effect on different cyclic nitramines. Thermochimica Acta, 2018, 660, 110-123.	1.2	35

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19	Crystal lattice free volume in a study of initiation reactivity of nitramines: Impact sensitivity. Defence Technology, 2018, 14, 93-98.	2.1	12
20	The correlations among detonation velocity, heat of combustion, thermal stability and decomposition kinetics of nitric esters. Journal of Thermal Analysis and Calorimetry, 2018, 131, 1391-1403.	2.0	15
21	The effect of different additives on safety manipulation of cis-1,3,4,6-tetranitrooctahydroimidazo-[4,5-d]imidazole (BCHMX). MATEC Web of Conferences, 2018, 192, 03003.	0.1	3
22	Thermo-analytical study of a melt cast composition based on cis-1,3,4,6-tetranitrooctahydroimidazo-[4,5 d]imidazole (BCHMX)/trinitrotoluene (TNT) compared with traditional compositions. Thermochimica Acta, 2018, 666, 91-102.	1.2	14
23	Characteristics of Thermal Decomposition of Energetic Materials in a Study of Their Initiation Reactivity. Handbook of Thermal Analysis and Calorimetry, 2018, 6, 573-612.	1.6	10
24	The effect of glycidyl azide polymer on the stability and explosive properties of different interesting nitramines. RSC Advances, 2018, 8, 17272-17278.	1.7	27
25	Application of BCHMX in Shaped Charges against RHA Targets Compared to Different Nitramine Explosives. Central European Journal of Energetic Materials, 2018, 15, 3-17.	0.5	17
26	ComparativeTheoretical Investigation on Energetic Substituted Furazanyl Ethers. Central European Journal of Energetic Materials, 2018, 15, 47-71.	0.5	1
27	Thermo-analytical study of cis-1,3,4,6-tetranitrooctahydroimidazo-[4,5-d]imidazole (BCHMX) and 1,1-diamino-2,2-dinitroethene (FOX-7) in comparison with a plastic bonded explosive based on their mixture. Journal of Analytical and Applied Pyrolysis, 2017, 128, 304-313.	2.6	10
28	A modified vacuum stability test in the study of initiation reactivity of nitramine explosives. Thermochimica Acta, 2017, 656, 16-24.	1.2	13
29	Thermal decomposition kinetics and explosive properties of a mixture based on cis-1,3,4,6-tetranitrooctahydroimidazo-[4,5-d]imidazole and 3-nitro-1,2,4-triazol-5-one (BCHMX/NTO). Thermochimica Acta, 2017, 655, 292-301.	1.2	29
30	Investigation of different thermal analysis techniques to determine the decomposition kinetics of Îµ-2,4,6,8,10,12-hexanitro-2,4,6,8,10,12-hexaazaisowurtzitane with reduced sensitivity and its cured PBX. Journal of Analytical and Applied Pyrolysis, 2017, 126, 267-274.	2.6	37
31	4,6-Diazido-N-(2,4,6-trinitrophenyl)-1,3,5-triazin-2-amine (TNADAzT) and Its Silver Salt - Synthesis and Characterization. Central European Journal of Energetic Materials, 2017, 14, 304-320.	0.5	2
32	Concerning the Shock Sensitivities of Certain Plastic Bonded Explosives Based on Attractive Cyclic Nitramines .. Central European Journal of Energetic Materials, 2017, 14, 775-787.	0.5	4
33	Catalytic effects of nano additives on decomposition and combustion of RDX-, HMX-, and AP-based energetic compositions. Progress in Energy and Combustion Science, 2016, 57, 75-136.	15.8	283
34	Comparative study of melting points of 3,4-bis(3-nitrofurazan-4-yl)furoxan (DNTF)/1,3,3-trinitroazetidine (TNAZ) eutectic compositions using molecular dynamic simulations. RSC Advances, 2016, 6, 59141-59149.	1.7	23
35	Crystal structure and thermal behaviors of the tetrapotassium salt of octahydroimidazo-[4,5-d]imidazol-1,3,4,6-tetrasulfonic acid (TACOS-K). Journal of Thermal Analysis and Calorimetry, 2016, 126, 391-397.	2.0	1
36	Sensitivity and Performance of Energetic Materials. Propellants, Explosives, Pyrotechnics, 2016, 41, 426-451.	1.0	187

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37	Crystal morphology of 3,4-bis(3-nitrofurazan-4-yl)furoxan (DNTF) in a solvent system: molecular dynamics simulation and sensitivity study. CrystEngComm, 2016, 18, 2843-2851.	1.3	73
38	Multistep Thermolysis Mechanisms of Azido-<i>s</i>-triazine Derivatives and Kinetic Compensation Effects for the Rate-Limiting Processes. Journal of Physical Chemistry C, 2015, 119, 14861-14872.	1.5	22
39	Preparation, morphologies and thermal behavior of high nitrogen compound 2-amino-4,6-diazido-s-triazine and its derivatives. Thermochimica Acta, 2015, 604, 106-114.	1.2	15
40	Thermal behavior of 1,3,5-trinitroso-1,3,5-triazinane and its melt-castable mixtures with cyclic nitramines. Thermochimica Acta, 2015, 615, 51-60.	1.2	8
41	The mechanisms for desensitization effect of synthetic polymers on BCHMX: Physical models and decomposition pathways. Journal of Hazardous Materials, 2015, 294, 145-157.	6.5	10
42	Thermal behavior and decomposition kinetics of ETN and its mixtures with PETN and RDX. Journal of Thermal Analysis and Calorimetry, 2014, 115, 289-299.	2.0	24
43	The effect of polymer matrices on the thermal hazard properties of RDX-based PBXs by using model-free and combined kinetic analysis. Journal of Hazardous Materials, 2014, 271, 185-195.	6.5	34
44	Multi-stage decomposition of 5-aminotetrazole derivatives: kinetics and reaction channels for the rate-limiting steps. Physical Chemistry Chemical Physics, 2014, 16, 24282-24291.	1.3	31
45	The Mitigation Effect of Synthetic Polymers on Initiation Reactivity of CL-20: Physical Models and Chemical Pathways of Thermolysis. Journal of Physical Chemistry C, 2014, 118, 22881-22895.	1.5	46
46	Notes on the use of the vacuum stability test in the study of initiation reactivity of attractive cyclic nitramines in the C4 matrix. Journal of Thermal Analysis and Calorimetry, 2013, 112, 1433-1437.	2.0	40
47	The effect of crystal structure on the thermal reactivity of CL-20 and its C4 bonded explosives (I): thermodynamic properties and decomposition kinetics. Journal of Thermal Analysis and Calorimetry, 2013, 112, 823-836.	2.0	54
48	The effect of crystal structure on the thermal reactivity of CL-20 and its C4-bonded explosives. Journal of Thermal Analysis and Calorimetry, 2013, 112, 837-849.	2.0	33
49	The effect of molecular structure on thermal stability, decomposition kinetics and reaction models of nitric esters. Thermochimica Acta, 2013, 566, 137-148.	1.2	40
50	Theoretical evaluation of sensitivity and thermal stability for high explosives based on quantum chemistry methods: A brief review. International Journal of Quantum Chemistry, 2013, 113, 1049-1061.	1.0	110
51	Attractive Nitramines and Related PBXs. Propellants, Explosives, Pyrotechnics, 2013, 38, 379-385.	1.0	48
52	Note on the use of the vacuum stability test in the study of initiation reactivity of attractive cyclic nitramines in Formex P1 matrix. Journal of Thermal Analysis and Calorimetry, 2013, 111, 1503-1506.	2.0	27
53	Non-isothermal decomposition behavior of Fluorel bonded explosives containing attractive cyclic nitramines. Thermochimica Acta, 2013, 574, 10-18.	1.2	40
54	Noniso-thermal analysis of C4 bonded explosives containing different cyclic nitramines. Thermochimica Acta, 2013, 556, 6-12.	1.2	33

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55	Study of Plastic Explosives based on Attractive Cyclic Nitramines, Part II. Detonation Characteristics of Explosives with Polyfluorinated Binders. Propellants, Explosives, Pyrotechnics, 2013, 38, 238-243.	1.0	32
56	Thermal behavior and decomposition kinetics of Viton A bonded explosives containing attractive cyclic nitramines. Thermochimica Acta, 2013, 562, 56-64.	1.2	64
57	Modification of W/O Emulsions by Demilitarized Composition B. Propellants, Explosives, Pyrotechnics, 2013, 38, 142-146.	1.0	5
58	Thermal behavior and decomposition kinetics of Formex-bonded explosives containing different cyclic nitramines. Journal of Thermal Analysis and Calorimetry, 2013, 111, 1419-1430.	2.0	53
59	Thermodynamic properties, decomposition kinetics and reaction models of BCHMX and its Formex bonded explosive. Thermochimica Acta, 2012, 547, 150-160.	1.2	35
60	Explosive Strength and Impact Sensitivity of Several PBXs Based on Attractive Cyclic Nitramines. Propellants, Explosives, Pyrotechnics, 2012, 37, 329-334.	1.0	42
61	A New Approach to the Application of Molecular Surface Electrostatic Potential in the Study of Detonation. Propellants, Explosives, Pyrotechnics, 2012, 37, 609-613.	1.0	16
62	Effect of Different Polymeric Matrices on Some Properties of Plastic Bonded Explosives. Propellants, Explosives, Pyrotechnics, 2012, 37, 676-684.	1.0	47
63	Detonation Characteristics of Plastic Explosives Based on Attractive Nitramines with Polyisobutylene and Poly(methyl methacrylate) Binders. Journal of Energetic Materials, 2012, 30, 358-371.	1.0	36
64	Recent advances in thermal analysis and stability evaluation of insensitive plastic bonded explosives (PBXs). Thermochimica Acta, 2012, 537, 1-12.	1.2	129
65	Study of Plastic Explosives based on Attractive Cyclic Nitramines Part I. Detonation Characteristics of Explosives with PIB Binder. Propellants, Explosives, Pyrotechnics, 2011, 36, 433-438.	1.0	28
66	Crystallography and Structure-Property Relationships in 2,2â€²,2â€³,2â€²â€²â€²,4,4â€²,4â€³,4â€²â€²â€²,6,6â€²,6â€³,6â€²â€²â€²-Do Quaterphenyl (DODECA). Propellants, Explosives, Pyrotechnics, 2010, 35, 339-346.	1.0	9
67	Crystallography and Structureâ€"Property Relationships of 2,2â€³,4,4â€²,4â€³,6,6â€²,6â€³â€•Octanitroâ€•1,1â€² :â€‰3â€²,1â€³â€•Ter (ONT). Propellants, Explosives, Pyrotechnics, 2010, 35, 130-135.	1.0	9
68	cis-1,3,4,6-Tetranitrooctahydroimidazo-[4,5-d]imidazole (BCHMX), its properties and initiation reactivity. Journal of Hazardous Materials, 2009, 164, 954-961.	6.5	57
69	A New View of Relationships of the Nâ€"N Bond Dissociation Energies of Cyclic Nitramines. Part I. Relationships with Heats of Fusion. Journal of Energetic Materials, 2009, 27, 186-199.	1.0	10
70	A New View of Relationships of the Nâ€"N Bond Dissociation Energies of Cyclic Nitramines. Part II. Relationships with Impact Sensitivity. Journal of Energetic Materials, 2009, 27, 200-216.	1.0	29
71	A New View of Relationships of the Nâ€"N Bond Dissociation Energies of Cyclic Nitramines. Part III. Relationship with Detonation Velocity. Journal of Energetic Materials, 2009, 27, 217-229.	1.0	13
72	Detonation Performance of TATP/AN-Based Explosives. Propellants, Explosives, Pyrotechnics, 2008, 33, 296-300.	1.0	12

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73	Some properties of explosive mixtures containing peroxides. Journal of Hazardous Materials, 2008, 154, 192-198.	6.5	21
74	Some properties of explosive mixtures containing peroxides. Journal of Hazardous Materials, 2008, 154, 199-203.	6.5	10
75	Crystallography of 2,2â€²,4,4â€²,6,6â€²-Hexanitro-1,1â€²-biphenyl and Its Relation to Initiation Reactivity. Chemistry of Materials, 2008, 20, 3105-3109.	3.2	9
76	Sensitivities of High Energy Compounds. , 2007, , 195-271.		80
77	Study of initiation reactivity of some plastic explosives by vacuum stability test and non-isothermal differential thermal analysis. Thermochimica Acta, 2007, 460, 67-76.	1.2	49
78	New aspects of initiation reactivities of energetic materials demonstrated on nitraminesâ˜†â˜†â˜†. Journal of Hazardous Materials, 2006, 132, 155-164.	6.5	76
79	Decomposition of some polynitro arenes initiated by heat and shockPart I. 2,4,6-Trinitrotoluene. Journal of Hazardous Materials, 2006, 132, 165-170.	6.5	25
80	Decomposition of some polynitro arenes initiated by heat and shock. Journal of Hazardous Materials, 2006, 137, 1345-1351.	6.5	13
81	Molecular structure aspects of initiation of some highly thermostable polynitro arenes. Thermochimica Acta, 2006, 451, 105-114.	1.2	29
82	Thermal reactivity of some nitro- and nitroso-compounds derived from 1,3,5,7-tetraazabicyclo[3.3.1]nonane at contamination by ammonium nitrate. Journal of Hazardous Materials, 2005, 121, 11-21.	6.5	9
83	Some characteristics of 3,7-dinitro-, 3,7-dinitroso- and dinitrate compounds derived from 1,3,5,7-tetraazabicyclo[3.3.1]nonane. Journal of Hazardous Materials, 2005, 119, 1-11.	6.5	13
84	In vitro Degradation of 2,4,6-Trinitrotoluene Using Plant Tissue Cultures ofSolanum aviculare andRheum palmatum. Engineering in Life Sciences, 2004, 4, 46-49.	2.0	16
85	Polarography in the Study of Chemical Micro-Mechanism of Initiation of Polynitro Arenes. Journal of Energetic Materials, 2004, 22, 171-179.	1.0	5
86	Kinetics and heats of sublimation and evaporation of 1,3,3-trinitroazetidine (TNAZ). Journal of Thermal Analysis and Calorimetry, 2003, 74, 853-866.	2.0	20
87	A study of chemical micromechanism governing detonation initiation of condensed explosive mixtures by means of differential thermal analysis. Thermochimica Acta, 2003, 398, 185-194.	1.2	20
88	New Aspects of Impact Reactivity of Polynitro Compounds, Partâ€…II. Impact Sensitivity asâ€œthe First Reactionâ€•of Polynitro Arenes. Propellants, Explosives, Pyrotechnics, 2003, 28, 249-255.	1.0	38
89	New Aspects of Impact Reactivity of Polynitro Compounds, Part III. Impact Sensitivity as a Function of the Imtermolecular Interactions. Propellants, Explosives, Pyrotechnics, 2003, 28, 301-307.	1.0	60
90	New Aspects of Impact Reactivity of Polynitro Compounds. Part IV. Allocation of Polynitro Compounds on the Basis of their Impact Sensitivities. Propellants, Explosives, Pyrotechnics, 2003, 28, 308-313.	1.0	33

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91	A study of chemical micro-mechanisms of initiation of organic polynitro compounds. Theoretical and Computational Chemistry, 2003, , 25-52.	0.2	26
92	The study of chemical micromechanism governing detonation initiation of somem-dinitrobenzopolyazaarenes. Journal of Energetic Materials, 2002, 20, 53-69.	1.0	9
93	Modified Evansâ€"Polanyiâ€"Semenov relationship in the study of chemical micromechanism governing detonation initiation of individual energetic materials. Thermochimica Acta, 2002, 384, 137-154.	1.2	51
94	Performance of Emulsion Explosives. Combustion, Explosion and Shock Waves, 2002, 38, 463-469.	0.3	17
95	1,3,3-trinitroazetidine (TNAZ). Part I. Syntheses and properties. Journal of Energetic Materials, 2001, 19, 219-239.	1.0	32
96	Thermogravimetric Analysis of Polynitro Arenes. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2001, 65, 919-933.	1.4	3
97	1,3,3-trinitroazetidine (TNAZ). Study of thermal behaviour. Part II. Journal of Energetic Materials, 2001, 19, 241-254.	1.0	10
98	New Aspects of the Impact Reactivity of Nitramines. Propellants, Explosives, Pyrotechnics, 2000, 25, 66-74.	1.0	59
99	Heats of fusion of polynitro derivatives of polyazaisowurtzitane. Thermochimica Acta, 2000, 345, 31-38.	1.2	26
100	Relationship between detonation characteristics and15N NMR chemical shifts of nitramines. Journal of Energetic Materials, 1999, 17, 305-329.	1.0	42
101	Analysis and prediction of the Arrhenius parameters of low-temperature thermolysis of nitramines by means of the spectroscopy. Thermochimica Acta, 1999, 333, 121-129.	1.2	42
102	Kinetic compensation effect and thermolysis mechanisms of organic polynitroso and polynitro compounds. Thermochimica Acta, 1997, 290, 199-217.	1.2	49
103	Some predictions in the field of the physical thermal stability of nitramines. Thermochimica Acta, 1997, 302, 11-16.	1.2	44
104	New application of kinetic data of the low-temperature thermolysis of nitroparaffins. Thermochimica Acta, 1995, 261, 195-207.	1.2	7
105	QSPR approach to the calculation of rate constants of homolysis of nitro compounds in different states of aggregation. Russian Chemical Bulletin, 1995, 44, 1585-1588.	0.4	2
106	QSPR approach to the calculation of rate constants of homolysis of nitro compounds in different states of aggregation. Russian Chemical Bulletin, 1995, 44, 1589-1593.	0.4	1
107	QSPR approach to the calculation of rate constants of homolysis of nitro compounds in different states of aggregation. Russian Chemical Bulletin, 1995, 44, 1594-1597.	0.4	1
108	Dependence on temperature of the results of the vacuum stability test for explosives. Thermochimica Acta, 1994, 247, 447-454.	1.2	20

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109	New correlations of the thermogravimetric analysis data of some commercial explosives. Thermochimica Acta, 1993, 230, 177-189.	1.2	2
110	Thermogravimetric analysis of some nitramines, nitrosamines and nitroesters. Thermochimica Acta, 1993, 230, 191-206.	1.2	11
111	The thermoanalytical study of some aminoderivatives of 1,3,5-trinitrobenzene. Thermochimica Acta, 1993, 216, 157-168.	1.2	50
112	New dependence of Activation Energies of Nitroesters Thermolysis and possibility of its application. Propellants, Explosives, Pyrotechnics, 1992, 17, 17-19.	1.0	20
113	Thermogravimetric analysis of urea-formaldehyde polycondensates. Thermochimica Acta, 1992, 202, 181-189.	1.2	12
114	Relationship between the Arrhenius parameters of the low-temperature thermolysis and the 13C and 15N chemical shifts of nitramines. Thermochimica Acta, 1992, 202, 191-200.	1.2	25
115	On the study of micromechanism governing Detonation Initiation of Nitramines and Nitrosamines. Propellants, Explosives, Pyrotechnics, 1990, 15, 217-221.	1.0	14
116	Possibilities of applying the kissinger method in the differential thermal analysis of polynitroarenes. Thermochimica Acta, 1985, 92, 205-210.	1.2	1
117	Thermal decomposition of some nitrosamines. Thermochimica Acta, 1985, 93, 25-28.	1.2	24
118	Correlation of activation energies of low-temperature thermolysis and photolysis of some fulminates with their heats of explosion. Thermochimica Acta, 1984, 81, 359-361.	1.2	12
119	The relationship between kinetic data of the low-temperature thermolysis and the heats of explosion of organic polynitro compounds. Thermochimica Acta, 1984, 78, 181-209.	1.2	65
120	The relationship between the kinetic data of the low-temperature thermolysis and the heats of explosion of inorganic azides. Thermochimica Acta, 1984, 80, 137-141.	1.2	21
121	Possibilities of applying the Piloyan method of determination of decomposition activation energies in the differential thermal analysis of polynitroaromatic compounds and their derivatives. Journal of Theoretical Biology, 1981, 20, 331-337.	0.8	4
122	Possibilities of applying the Piloyan method of determination of decomposition activation energies in the differential thermal analysis of polynitroaromatic compounds and their derivatives. Journal of Theoretical Biology, 1981, 20, 87-92.	0.8	3
123	Possibilities of applying the Piloyan method of determination of decomposition activation energies in the differential thermal analysis of polynitroaromatic compounds and their derivatives. Journal of Theoretical Biology, 1981, 21, 9-14.	0.8	5
124	Kinetic data from low-temperature thermolysis in the study of the microscopic initiation mechanism of the detonation of organic polynitro compounds. Thermochimica Acta, 1981, 49, 219-246.	1.2	45
125	Nitrosation cleavage of hexamethylenetetramine in slightly acid medium from the aspect of the thermochemistry of the nitrosation agent formation. Thermochimica Acta, 1981, 51, 325-334.	1.2	3
126	Possibilities of applying the piloyan method of determination of decomposition activation energies in the differential thermal analysis of polynitroaromatic compounds and their derivatives. Journal of Theoretical Biology, 1980, 19, 417-424.	0.8	6

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127	Possibilities of applying Piloyan method of determination of decomposition activation energies in differential thermal analysis of polynitroaromatic compounds and their derivatives. Journal of Theoretical Biology, 1980, 19, 207-214.	0.8	15
128	Possibilities of applying the Piloyan method of determination of decomposition activation energies. Journal of Theoretical Biology, 1980, 19, 99-105.	0.8	13
129	Possibilities of applying the Piloyan method of determination of decomposition activation energies. Journal of Theoretical Biology, 1980, 19, 107-115.	0.8	15
130	Non-isothermal differential thermal analysis in the study of the initial state of the thermal decomposition of polynitroaromatic compounds in the condensed state. Thermochimica Acta, 1980, 39, 117-124.	1.2	13
131	The relationship between differential thermal analysis data and the detonation characteristics of polynitroaromatic compounds. Thermochimica Acta, 1980, 41, 199-212.	1.2	55
132	Thermal stabilities of polynitroaromatic compounds and their derivatives. Thermochimica Acta, 1979, 31, 269-283.	1.2	48
133	Possibilities of applying the Piloyan method of determination of decomposition activation energies in the differential thermal analysis of polynitroaromatic compounds and of their derivatives. Journal of Theoretical Biology, 1979, 17, 19-29.	0.8	21
134	Paper chromatography of n-mono- and n,n-di-substituted 2,4-dinitro-, 2,6-dinitro- and 2,4,6-trinitroanilines. Journal of Chromatography A, 1978, 154, 25-32.	1.8	9
135	Determination of heats of decomposition of some 1,3,5,7-tetraazacyclooctane and 1,3,5-triazacyclohexane derivatives using differential scanning calorimetry. Journal of Theoretical Biology, 1977, 12, 75-81.	0.8	14