Svatopluk Zeman

List of Publications by Year
in descending order

135 papers	3,694 citations	117453 34 h-index	174990 52 g-index
135 all docs	135 docs citations	135 times ranked	1174 citing authors

#	Article	IF	Citations
1	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
2	Sensitivity and Performance of Energetic Materials. Propellants, Explosives, Pyrotechnics, 2016, 41, 426-451.	1.0	187
3	Recent advances in thermal analysis and stability evaluation of insensitive plastic bonded explosives (PBXs). Thermochimica Acta, 2012, 537, 1-12.	1.2	129
4	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
5	Sensitivities of High Energy Compounds. , 2007, , 195-271.		80
6	New aspects of initiation reactivities of energetic materials demonstrated on nitraminesâ˜†â˜†â˜†. Journal of Hazardous Materials, 2006, 132, 155-164.	6.5	76
7	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
8	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
9	Thermal behavior and decomposition kinetics of Viton A bonded explosives containing attractive cyclic nitramines. Thermochimica Acta, 2013, 562, 56-64.	1.2	64
10	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
11	New Aspects of the Impact Reactivity of Nitramines. Propellants, Explosives, Pyrotechnics, 2000, 25, 66-74.	1.0	59
12	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
13	The relationship between differential thermal analysis data and the detonation characteristics of polynitroaromatic compounds. Thermochimica Acta, 1980, 41, 199-212.	1.2	55
14	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
15	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
16	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
17	The thermoanalytical study of some aminoderivatives of 1,3,5-trinitrobenzene. Thermochimica Acta, 1993, 216, 157-168.	1.2	50
18	Kinetic compensation effect and thermolysis mechanisms of organic polynitroso and polynitro compounds. Thermochimica Acta, 1997, 290, 199-217.	1.2	49

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19	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
20	Thermal stabilities of polynitroaromatic compounds and their derivatives. Thermochimica Acta, 1979, 31, 269-283.	1.2	48
21	Attractive Nitramines and Related PBXs. Propellants, Explosives, Pyrotechnics, 2013, 38, 379-385.	1.0	48
22	Effect of Different Polymeric Matrices on Some Properties of Plastic Bonded Explosives. Propellants, Explosives, Pyrotechnics, 2012, 37, 676-684.	1.0	47
23	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
24	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
25	Some predictions in the field of the physical thermal stability of nitramines. Thermochimica Acta, 1997, 302, 11-16.	1.2	44
26	Relationship between detonation characteristics and15N NMR chemical shifts of nitramines. Journal of Energetic Materials, 1999, 17, 305-329.	1.0	42
27	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
28	Explosive Strength and Impact Sensitivity of Several PBXs Based on Attractive Cyclic Nitramines. Propellants, Explosives, Pyrotechnics, 2012, 37, 329-334.	1.0	42
29	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
30	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
31	Non-isothermal decomposition behavior of Fluorel bonded explosives containing attractive cyclic nitramines. Thermochimica Acta, 2013, 574, 10-18.	1.2	40
32	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
33	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
34	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
35	Thermodynamic properties, decomposition kinetics and reaction models of BCHMX and its Formex bonded explosive. Thermochimica Acta, 2012, 547, 150-160.	1.2	35
36	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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37	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
38	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
39	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
40	Noniso-thermal analysis of C4 bonded explosives containing different cyclic nitramines. Thermochimica Acta, 2013, 556, 6-12.	1.2	33
41	1,3,3-trinitroazetidine (TNAZ). Part I. Syntheses and properties. Journal of Energetic Materials, 2001, 19, 219-239.	1.0	32
42	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
43	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
44	Molecular structure aspects of initiation of some highly thermostable polynitro arenes. Thermochimica Acta, 2006, 451, 105-114.	1.2	29
45	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
46	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
47	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
48	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
49	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
50	Heats of fusion of polynitro derivatives of polyazaisowurtzitane. Thermochimica Acta, 2000, 345, 31-38.	1.2	26
51	A study of chemical micro-mechanisms of initiation of organic polynitro compounds. Theoretical and Computational Chemistry, 2003, , 25-52.	0.2	26
52	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
53	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
54	Thermal decomposition of some nitrosamines. Thermochimica Acta, 1985, 93, 25-28.	1.2	24

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55	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
56	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
57	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
58	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
59	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
60	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
61	Some properties of explosive mixtures containing peroxides. Journal of Hazardous Materials, 2008, 154, 192-198.	6.5	21
62	New dependence of Activation Energies of Nitroesters Thermolysis and possibility of its application. Propellants, Explosives, Pyrotechnics, 1992, 17, 17-19.	1.0	20
63	Dependence on temperature of the results of the vacuum stability test for explosives. Thermochimica Acta, 1994, 247, 447-454.	1.2	20
64	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
65	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
66	Performance of Emulsion Explosives. Combustion, Explosion and Shock Waves, 2002, 38, 463-469.	0.3	17
67	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
68	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
69	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
70	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
71	Influence of the energy content and its outputs on sensitivity of polynitroarenes. Journal of Energetic Materials, 2019, 37, 445-458.	1.0	16
72	N-N Bond Lengths and Initiation Reactivity of Nitramines. Central European Journal of Energetic Materials, 2020, 17, 169-200.	0.5	16

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73	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
74	Possibilities of applying the Piloyan method of determination of decomposition activation energies. Journal of Theoretical Biology, 1980, 19, 107-115.	0.8	15
75	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
76	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
77	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
78	On the study of micromechanism governing Detonation Initiation of Nitramines and Nitrosamines. Propellants, Explosives, Pyrotechnics, 1990, 15, 217-221.	1.0	14
79	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
80	Possibilities of applying the Piloyan method of determination of decomposition activation energies. Journal of Theoretical Biology, 1980, 19, 99-105.	0.8	13
81	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
82	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
83	Decomposition of some polynitro arenes initiated by heat and shock. Journal of Hazardous Materials, 2006, 137, 1345-1351.	6.5	13
84	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
85	A modified vacuum stability test in the study of initiation reactivity of nitramine explosives. Thermochimica Acta, 2017, 656, 16-24.	1.2	13
86	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
87	A new insight into the energetic co-agglomerate structures of attractive nitramines. Chemical Engineering Journal, 2021, 420, 130472.	6.6	13
88	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
89	Thermogravimetric analysis of urea-formaldehyde polycondensates. Thermochimica Acta, 1992, 202, 181-189.	1.2	12
90	Detonation Performance of TATP/AN-Based Explosives. Propellants, Explosives, Pyrotechnics, 2008, 33, 296-300.	1.0	12

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91	Crystal lattice free volume in a study of initiation reactivity of nitramines: Impact sensitivity. Defence Technology, 2018, 14, 93-98.	2.1	12
92	Enhancing the explosive characteristics of a Semtex explosive by involving admixtures of BCHMX and HMX. Defence Technology, 2020, 16, 487-492.	2.1	12
93	Thermogravimetric analysis of some nitramines, nitrosamines and nitroesters. Thermochimica Acta, 1993, 230, 191-206.	1.2	11
94	1,3,3-trinitroazetidine (TNAZ). Study of thermal behaviour. Part II. Journal of Energetic Materials, 2001, 19, 241-254.	1.0	10
95	Some properties of explosive mixtures containing peroxides. Journal of Hazardous Materials, 2008, 154, 199-203.	6.5	10
96	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
97	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
98	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
99	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
100	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
101	The study of chemical micromechanism governing detonation initiation of somem-dinitrobenzopolyazaarenes. Journal of Energetic Materials, 2002, 20, 53-69.	1.0	9
102	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
103	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
104	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
105	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
106	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
107	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
108	New application of kinetic data of the low-temperature thermolysis of nitroparaffins. Thermochimica Acta, 1995, 261, 195-207.	1.2	7

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109	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
110	Crystal lattice free volume in a study of initiation reactivity of nitramines: Friction sensitivity. Defence Technology, 2018, 14, 132-136.	2.1	7
111	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
112	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
113	Physical and thermal impact of lead free ballistic modifiers. Thermochimica Acta, 2018, 662, 16-22.	1.2	6
114	A new look on the electric spark sensitivity of nitramines. Defence Technology, 2020, 16, 10-17.	2.1	6
115	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
116	Polarography in the Study of Chemical Micro-Mechanism of Initiation of Polynitro Arenes. Journal of Energetic Materials, 2004, 22, 171-179.	1.0	5
117	Modification of W/O Emulsions by Demilitarized Composition B. Propellants, Explosives, Pyrotechnics, 2013, 38, 142-146.	1.0	5
118	Crystal lattice free volume and thermal decomposition of nitramines. Defence Technology, 2019, 15, 51-57.	2.1	5
119	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
120	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
121	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
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	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
124	Thermogravimetric Analysis of Polynitro Arenes. Magyar AprÃ³vad KÃ¶zlemÃ©nyek, 2001, 65, 919-933.	1.4	3
125	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
126	New correlations of the thermogravimetric analysis data of some commercial explosives. Thermochimica Acta, 1993, 230, 177-189.	1.2	2

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127	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
128	The role of crystal lattice free volume in nitramine detonation. Defence Technology, 2019, 15, 519-525.	2.1	2
129	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
130	Possibilities of applying the kissinger method in the differential thermal analysis of polynitroarenes. Thermochimica Acta, 1985, 92, 205-210.	1.2	1
131	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
132	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
133	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
134	ComparativeTheoretical Investigation on Energetic Substituted Furazanyl Ethers. Central European Journal of Energetic Materials, 2018, 15, 47-71.	0.5	1
135	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