

# Waldemar Andrzej Trzeciński

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Properties and detonation performance of tetraamminocopper(II) nitrate (TACN) – a prospective green explosive. <i>Journal of Energetic Materials</i> , 2024, 42, 273-290.	2.0	0
2	An Answer to the Question about the Energetic Performance of TKX-50. <i>Propellants, Explosives, Pyrotechnics</i> , 2022, 47, .	1.6	10
3	Charge-transfer and excitations in $\text{AgF}_2$ . <i>Physical Review Research</i> , 2022, 4, .	3.6	7
4	Rheokinetic studies on the curing process of energetic systems containing RDX, HTPB with high content of 1,2-vinyl groups and hydantoin-based bonding agent. <i>Polymer Testing</i> , 2022, 111, 107611.	4.8	5
5	Studies on the Properties of a Putty-like Explosive with a Silicone Binder. <i>Central European Journal of Energetic Materials</i> , 2021, 18, 112-123.	0.4	2
6	A Review of Polysiloxanes in Terms of Their Application in Explosives. <i>Polymers</i> , 2021, 13, 1080.	4.5	39
7	A new insight into the energetic co-agglomerate structures of attractive nitramines. <i>Chemical Engineering Journal</i> , 2021, 420, 130472.	12.7	13
8	Performance of Magnesium, Mg-Al Alloy and Silicon in Thermobaric Explosives – A Comparison to Aluminium. <i>Propellants, Explosives, Pyrotechnics</i> , 2020, 45, 1691-1697.	1.6	9
9	Study of Shock Initiation of an NTO-Based Melt-Cast Insensitive Composition. <i>Propellants, Explosives, Pyrotechnics</i> , 2020, 45, 1472-1477.	1.6	5
10	Thermochemical Properties, Ballistic Parameters and Sensitivity of New RDX-based Propellants. <i>Central European Journal of Energetic Materials</i> , 2020, 17, 223-238.	0.4	2
11	Theoretical assessment of the response of an explosive charge to the impact of a tungsten subprojectile. <i>Materiały Wysokoenergetyczne / High Energy Materials</i> , 2020, , 17-28.	0.2	1
12	Synthesis and Energetic Properties of 1,3,7,9-tetranitrobenzo[c]cinnoline-5-oxide (TNBCO). <i>Propellants, Explosives, Pyrotechnics</i> , 2019, 44, 1509-1514.	1.6	2
13	Numerical Modelling of Cylindrical Test for Determining Jones – Wilkins - Lee Equation Parameters. <i>Lecture Notes in Mechanical Engineering</i> , 2019, , 388-394.	0.4	4
14	Determination of the Equation of State for the Detonation Products of Emulsion Explosives. <i>Central European Journal of Energetic Materials</i> , 2019, 16, 49-64.	0.4	9
15	Experimental and Theoretical Investigation of the Heat of Combustion of RDX-based Propellants. <i>Central European Journal of Energetic Materials</i> , 2019, 16, 399-411.	0.4	3
16	5,5,6,6-tetranitro-2,2-benzimidazole: A Thermally Stable and Insensitive Energetic Compound. <i>ChemPlusChem</i> , 2018, 83, 87-91.	2.8	12
17	Effect of Titanium and Zirconium Hydrides on the Detonation Heat of RDX-based Explosives – A Comparison to Aluminium. <i>Propellants, Explosives, Pyrotechnics</i> , 2018, 43, 280-285.	1.6	18
18	Effect of Titanium and Zirconium Hydrides on the Parameters of Confined Explosions of RDX-based Explosives – A Comparison to Aluminium. <i>Propellants, Explosives, Pyrotechnics</i> , 2018, 43, 1048-1055.	1.6	10

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19	Detonation Characteristics of New Aluminized Enhanced Blast Composites. Propellants, Explosives, Pyrotechnics, 2018, 43, 650-656.	1.6	14
20	Modeling of the Nitration of 2-Methylpyrimidine-4,6-dione (MPD). Central European Journal of Energetic Materials, 2018, 15, 516-533.	0.4	0
21	Semi-Closed Investigations of New Aluminized Thermobaric and Enhanced Blast Composites. Propellants, Explosives, Pyrotechnics, 2017, 42, 857-863.	1.6	8
22	A Low-Sensitivity Composition Based on FOX-7. Propellants, Explosives, Pyrotechnics, 2017, 42, 1439-1445.	1.6	8
23	Synthesis and Energetic Properties of Imidazolium and 2-Methylimidazolium Salts of 3-Nitro-1,2,4-Triazol-5-One. Propellants, Explosives, Pyrotechnics, 2017, 42, 1027-1031.	1.6	3
24	Explosive Properties and Thermal Stability of Urea-Hydrogen Peroxide Adduct. Propellants, Explosives, Pyrotechnics, 2017, 42, 198-203.	1.6	14
25	Optical spectroscopy to study confined and semi-closed explosions of homogeneous and composite charges. Optics and Lasers in Engineering, 2017, 88, 111-119.	3.8	10
26	Investigation of Fireball Temperatures in Confined Thermobaric Explosions. Propellants, Explosives, Pyrotechnics, 2017, 42, 142-148.	1.6	13
27	Thermobaric effects formed by aluminum foils enveloping cylindrical charges. Combustion and Flame, 2016, 166, 148-157.	5.2	10
28	1,1-Diamino-2,2-dinitroethene (DADNE, FOX-7) – Properties and Formulations (a Review). Central European Journal of Energetic Materials, 2016, 13, 527-544.	0.4	44
29	NTO-based Melt-cast Insensitive Compositions. Central European Journal of Energetic Materials, 2016, 13, 592-611.	0.4	8
30	Explosive Properties of 4,4-TM,5,5-TM-Tetranitro-2,2-bi-1H-imidazole Dihydrate. Central European Journal of Energetic Materials, 2016, 13, 612-626.	0.4	6
31	Studies of Confined Explosions of Composite Explosives and Layered Charges. Central European Journal of Energetic Materials, 2016, 13, 957-977.	0.4	8
32	A Melt-Cast Composition Based on NTO and FOX-7. Central European Journal of Energetic Materials, 2016, 13, 882-902.	0.4	7
33	Study of the Heat and Kinetics of Nitration of 1,2,4-Triazol-5-one (TO). Propellants, Explosives, Pyrotechnics, 2015, 40, 498-505.	1.6	5
34	Thermobaric and Enhanced Blast Explosives – Properties and Testing Methods. Propellants, Explosives, Pyrotechnics, 2015, 40, 632-644.	1.6	51
35	Investigation of Blast Performance and Solid Residues for Layered Thermobaric Charges. Propellants, Explosives, Pyrotechnics, 2014, 39, 40-50.	1.6	24
36	Topliwe kruszące materiały wybuchowe. Bulletin of the Military University of Technology, 2014, 63, 43-55.	0.0	4

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37	Detonation Properties and Thermal Behavior of FOX-7-Based Explosives. <i>Journal of Energetic Materials</i> , 2013, 31, 72-85.	2.0	33
38	Study of Plastic Explosives based on Attractive Cyclic Nitramines, Part II. Detonation Characteristics of Explosives with Polyfluorinated Binders. <i>Propellants, Explosives, Pyrotechnics</i> , 2013, 38, 238-243.	1.6	32
39	Detonation Characteristics of Plastic Explosives Based on Attractive Nitramines with Polyisobutylene and Poly(methyl methacrylate) Binders. <i>Journal of Energetic Materials</i> , 2012, 30, 358-371.	2.0	36
40	Investigation of blast wave characteristics for layered thermobaric charges. <i>Shock Waves</i> , 2012, 22, 119-127.	1.9	11
41	Preparation, Crystal Structure and Explosive Properties of Copper(II) Perchlorate Complex with 4-Amino-1,2,4-Triazole and Water. <i>Propellants, Explosives, Pyrotechnics</i> , 2011, 36, 151-159.	1.6	16
42	Study of Plastic Explosives based on Attractive Cyclic Nitramines Part I. Detonation Characteristics of Explosives with PIB Binder. <i>Propellants, Explosives, Pyrotechnics</i> , 2011, 36, 433-438.	1.6	28
43	Detonation and Blast Wave Characteristics of Nitromethane Mixed with Particles of an Aluminium-Magnesium Alloy. <i>Propellants, Explosives, Pyrotechnics</i> , 2010, 35, 85-92.	1.6	6
44	Detonation Performance of TATP/AN-Based Explosives. <i>Propellants, Explosives, Pyrotechnics</i> , 2008, 33, 296-300.	1.6	12
45	Some properties of explosive mixtures containing peroxides. <i>Journal of Hazardous Materials</i> , 2008, 154, 192-198.	12.4	21
46	Detonation properties of 1,1-diamino-2,2-dinitroethene (DADNE). <i>Journal of Hazardous Materials</i> , 2008, 157, 605-612.	12.4	136
47	Influence of the chamber volume on the upper explosion limit for hexane-air mixtures. <i>Journal of Loss Prevention in the Process Industries</i> , 2008, 21, 423-436.	3.3	24
48	Detonation Properties of Low-Sensitivity NTO-Based Explosives. <i>Journal of Energetic Materials</i> , 2005, 23, 151-168.	2.0	20
49	Thermodynamic analysis of afterburning of detonation products in confined explosions. <i>Journal of Energetic Materials</i> , 2002, 20, 195-222.	2.0	6
50	Sensitivity and performance properties of tex explosives. <i>Journal of Energetic Materials</i> , 2002, 20, 245-253.	2.0	33
51	A study on detonation characteristics of pressed NTO. <i>Journal of Energetic Materials</i> , 2001, 19, 1-21.	2.0	15
52	Detonative synthesis of inorganic compounds. <i>Journal of Materials Science Letters</i> , 2000, 19, 1997-2000.	0.5	4
53	Visualization of turbulent combustion of TNT detonation products in a steel vessel. <i>Shock Waves</i> , 2000, 10, 127-136.	1.9	14
54	Shock initiation studies of ammonium nitrate explosives. <i>Combustion and Flame</i> , 1995, 102, 64-72.	5.2	8

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55	An Analysis of the Influence of Detonator Parameters on the propagation of shock waves in an inert medium. Propellants, Explosives, Pyrotechnics, 1995, 20, 192-199.	1.6	0
56	Combustion and Detonation Behaviour of Ammonium Perchlorate/Phosphorus(V) Nitride, P <sub>3</sub> N <sub>5</sub> . Propellants, Explosives, Pyrotechnics, 0, , .	1.6	2