

Waldemar Andrzej Trzeciński

List of Publications by Year in descending order

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542
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#	ARTICLE	IF	CITATIONS
1	Detonation properties of 1,1-diamino-2,2-dinitroethene (DADNE). Journal of Hazardous Materials, 2008, 157, 605-612.	12.4	136
2	Thermobaric and Enhanced Blast Explosives – Properties and Testing Methods. Propellants, Explosives, Pyrotechnics, 2015, 40, 632-644.	1.6	51
3	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
4	A Review of Polysiloxanes in Terms of Their Application in Explosives. Polymers, 2021, 13, 1080.	4.5	39
5	Detonation Characteristics of Plastic Explosives Based on Attractive Nitramines with Polyisobutylene and Poly(methyl methacrylate) Binders. Journal of Energetic Materials, 2012, 30, 358-371.	2.0	36
6	Sensitivity and performance properties of tex explosives. Journal of Energetic Materials, 2002, 20, 245-253.	2.0	33
7	Detonation Properties and Thermal Behavior of FOX-7-Based Explosives. Journal of Energetic Materials, 2013, 31, 72-85.	2.0	33
8	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.	1.6	32
9	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.	1.6	28
10	Influence of the chamber volume on the upper explosion limit for hexane-air mixtures. Journal of Loss Prevention in the Process Industries, 2008, 21, 423-436.	3.3	24
11	Investigation of Blast Performance and Solid Residues for Layered Thermobaric Charges. Propellants, Explosives, Pyrotechnics, 2014, 39, 40-50.	1.6	24
12	Some properties of explosive mixtures containing peroxides. Journal of Hazardous Materials, 2008, 154, 192-198.	12.4	21
13	Detonation Properties of Low-Sensitivity NTO-Based Explosives. Journal of Energetic Materials, 2005, 23, 151-168.	2.0	20
14	Effect of Titanium and Zirconium Hydrides on the Detonation Heat of RDX-based Explosives – A Comparison to Aluminium. Propellants, Explosives, Pyrotechnics, 2018, 43, 280-285.	1.6	18
15	Preparation, Crystal Structure and Explosive Properties of Copper(II) Perchlorate Complex with 4-Amino-1,2,4-Triazole and Water. Propellants, Explosives, Pyrotechnics, 2011, 36, 151-159.	1.6	16
16	A study on detonation characteristics of pressed NTO. Journal of Energetic Materials, 2001, 19, 1-21.	2.0	15
17	Visualization of turbulent combustion of TNT detonation products in a steel vessel. Shock Waves, 2000, 10, 127-136.	1.9	14
18	Explosive Properties and Thermal Stability of Urea-Hydrogen Peroxide Adduct. Propellants, Explosives, Pyrotechnics, 2017, 42, 198-203.	1.6	14

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19	Detonation Characteristics of New Aluminized Enhanced Blast Composites. Propellants, Explosives, Pyrotechnics, 2018, 43, 650-656.	1.6	14
20	Investigation of Fireball Temperatures in Confined Thermobaric Explosions. Propellants, Explosives, Pyrotechnics, 2017, 42, 142-148.	1.6	13
21	A new insight into the energetic co-agglomerate structures of attractive nitramines. Chemical Engineering Journal, 2021, 420, 130472.	12.7	13
22	Detonation Performance of TATP/AN-Based Explosives. Propellants, Explosives, Pyrotechnics, 2008, 33, 296-300.	1.6	12
23	5,5-Dinitro-2,2-bis(benzimidazole): A Thermally Stable and Insensitive Energetic Compound. ChemPlusChem, 2018, 83, 87-91.	2.8	12
24	Investigation of blast wave characteristics for layered thermobaric charges. Shock Waves, 2012, 22, 119-127.	1.9	11
25	Thermobaric effects formed by aluminum foils enveloping cylindrical charges. Combustion and Flame, 2016, 166, 148-157.	5.2	10
26	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
27	Effect of Titanium and Zirconium Hydrides on the Parameters of Confined Explosions of RDX-Based Explosives – A Comparison to Aluminium. Propellants, Explosives, Pyrotechnics, 2018, 43, 1048-1055.	1.6	10
28	An Answer to the Question about the Energetic Performance of TKX-50. Propellants, Explosives, Pyrotechnics, 2022, 47, .	1.6	10
29	Performance of Magnesium, Mg-Al Alloy and Silicon in Thermobaric Explosives – A Comparison to Aluminium. Propellants, Explosives, Pyrotechnics, 2020, 45, 1691-1697.	1.6	9
30	Determination of the Equation of State for the Detonation Products of Emulsion Explosives. Central European Journal of Energetic Materials, 2019, 16, 49-64.	0.4	9
31	Shock initiation studies of ammonium nitrate explosives. Combustion and Flame, 1995, 102, 64-72.	5.2	8
32	Semi-Closed Investigations of New Aluminized Thermobaric and Enhanced Blast Composites. Propellants, Explosives, Pyrotechnics, 2017, 42, 857-863.	1.6	8
33	A Low-Sensitivity Composition Based on FOX-7. Propellants, Explosives, Pyrotechnics, 2017, 42, 1439-1445.	1.6	8
34	NTO-based Melt-cast Insensitive Compositions. Central European Journal of Energetic Materials, 2016, 13, 592-611.	0.4	8
35	Studies of Confined Explosions of Composite Explosives and Layered Charges. Central European Journal of Energetic Materials, 2016, 13, 957-977.	0.4	8
36	A Melt-Cast Composition Based on NTO and FOX-7. Central European Journal of Energetic Materials, 2016, 13, 882-902.	0.4	7

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37	Charge-Transfer and π - π^* excitations in AgF_2 . <i>Physical Review Research</i> , 2022, 4, 043111.	3.6	7
38	Thermodynamic analysis of afterburning of detonation products in confined explosions. <i>Journal of Energetic Materials</i> , 2002, 20, 195-222.	2.0	6
39	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
40	Explosive Properties of 4,4'-Dinitro-5,5'-Tetranitro-2,2'-bi-1H-imidazole Dihydrate. <i>Central European Journal of Energetic Materials</i> , 2016, 13, 612-626.	0.4	6
41	Study of the Heat and Kinetics of Nitration of 1,2,4-Triazol-5-one (TO). <i>Propellants, Explosives, Pyrotechnics</i> , 2015, 40, 498-505.	1.6	5
42	Study of Shock Initiation of an NTO-Based Melt-Cast Insensitive Composition. <i>Propellants, Explosives, Pyrotechnics</i> , 2020, 45, 1472-1477.	1.6	5
43	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
44	Detonative synthesis of inorganic compounds. <i>Journal of Materials Science Letters</i> , 2000, 19, 1997-2000.	0.5	4
45	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
46	Topliwe kruszące materiały wybuchowe. <i>Bulletin of the Military University of Technology</i> , 2014, 63, 43-55.	0.0	4
47	Synthesis and Energetic Properties of Imidazolium and 2-Methylimidazolium Salts of 3-Nitro-1,2,4-Triazol-5-One. <i>Propellants, Explosives, Pyrotechnics</i> , 2017, 42, 1027-1031.	1.6	3
48	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
49	Synthesis and Energetic Properties of 1,3,7,9-Tetranitrobenzo[c]Cinnoline Oxide (TNBCO). <i>Propellants, Explosives, Pyrotechnics</i> , 2019, 44, 1509-1514.	1.6	2
50	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
51	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
52	Combustion and Detonation Behaviour of Ammonium Perchlorate/Phosphorus(V) Nitride, P_3N_5 . <i>Propellants, Explosives, Pyrotechnics</i> , 0, , .	1.6	2
53	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
54	An Analysis of the Influence of Detonator Parameters on the propagation of shock waves in an inert medium. <i>Propellants, Explosives, Pyrotechnics</i> , 1995, 20, 192-199.	1.6	0

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55	Modeling of the Nitration of 2-Methylpyrimidine-4,6-dione (MPD). Central European Journal of Energetic Materials, 2018, 15, 516-533.	0.4	0
56	Properties and detonation performance of tetraamminecopper(II) nitrate (TACN) – a prospective green explosive. Journal of Energetic Materials, 2024, 42, 273-290.	2.0	0