

Muhamed Suceska

List of Publications by Year in descending order

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papers

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citations

623734

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docs citations

39
times ranked

621
citing authors

#	ARTICLE	IF	CITATIONS
1	Estimation of detonation front curvature radius by empirical equations. Journal of Energetic Materials, 2024, 42, 169-186.	2.0	2
2	BKW EOS: History of Modifications and Further Improvement of Accuracy with Temperature-Dependent Covolumes of Polar Molecules. Propellants, Explosives, Pyrotechnics, 2023, 48, .	1.6	2
3	Prediction of concentration of toxic gases produced by detonation of commercial explosives by thermochemical equilibrium calculations. Defence Technology, 2022, 18, 2181-2189.	4.2	7
4	Effect of Confinement on Detonation Velocity and Plate Dent Test Results for ANFO Explosive. Energies, 2022, 15, 4404.	3.1	3
5	Numerical modelling of non-ideal detonation in ANFO explosives applying Wood-Kirkwood theory coupled with EXPLO5 thermochemical code. Defence Technology, 2021, 17, 1740-1752.	4.2	12
6	Estimation of Explosive Energy Output by EXPLO5 Thermochemical Code. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 231-238.	1.2	12
7	A Computational Study on the Detonation Velocity of Mixtures of Solid Explosives with Non-Explosive Liquids. Propellants, Explosives, Pyrotechnics, 2021, 46, 352-354.	1.6	1
8	Analysis of the Explosive Properties of Tetrasulfur Tetranitride, S ₄ N ₄ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 192-199.	1.2	4
9	Prediction of Cylinder Wall Velocity Profiles for ANFO Explosives Combining Thermochemical Calculation, Gurney Model, and HydroCode. Propellants, Explosives, Pyrotechnics, 2021, 46, 253-261.	1.6	3
10	Theoretical evaluation of TKX-50 as an ingredient in rocket propellants. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 572-574.	1.2	13
11	A Method for Estimation of Blast Performance of RDX/PN ₄ Annular Thermobaric Charges. Propellants, Explosives, Pyrotechnics, 2021, 46, 1121-1135.	1.6	1
12	Using thermochemical code EXPLO5 to predict the performance parameters of explosives. Materiały Wysokoenergetyczne / High Energy Materials, 2021, , 17-27.	0.2	2
13	Numerical Modelling of Detonation Reaction Zone of Nitromethane by EXPLO5 Code and Wood and Kirkwood Theory. Central European Journal of Energetic Materials, 2020, 17, 239-261.	0.4	6
14	Equation of State of Detonation Products Based on Exponential Potential Model and Analytical Representation of the Excess Helmholtz Free Energy. Propellants, Explosives, Pyrotechnics, 2019, 44, 564-571.	1.6	9
15	Effects of closo-icosahedral periodoborane salts on hypergolic reactions of 70% H ₂ O ₂ with energetic ionic liquids. Journal of Materials Chemistry A, 2018, 6, 19989-19997.	10.3	43
16	Energetic Materials Designing Bench (EMDB), Version 1.0. Propellants, Explosives, Pyrotechnics, 2017, 42, 854-856.	1.6	46
17	Comparative Study of 9–19 mm Ammunition Combustion Products and Residues. Propellants, Explosives, Pyrotechnics, 2015, 40, 931-937.	1.6	5
18	5-(1-H-tetrazolyl)-2-hydroxy-tetrazole: A Selective 2-N-Monoxidation of Bis(1-H-tetrazole). ChemPlusChem, 2015, 80, 97-106.	2.8	32

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19	Synthesis of 5- <i>H</i> -Tetrazolyl-1-hydroxy-tetrazole and Energetically Relevant Nitrogen-Rich Ionic Derivatives. <i>Propellants, Explosives, Pyrotechnics</i> , 2014, 39, 550-557.	1.6	29
20	3,3'-Bi(1,2,4-oxadiazoles) Featuring the Fluorodinitromethyl and Trinitromethyl Groups. <i>Chemistry - A European Journal</i> , 2014, 20, 7622-7631.	3.3	124
21	Contributions to the Chemistry of <i>N</i> -Methylnitramine: Crystal Structure, Synthesis of Nitrogen-Rich Salts, and Reactions towards 2-Nitroazapropyl Derivatives. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4756-4771.	2.0	5
22	Advanced Open-Chain Nitramines as Energetic Materials: Heterocyclic-Substituted 1,3-Dichloro-2-nitrazopropane. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 4667-4678.	2.0	53
23	Asymmetric Carbamate Derivatives Containing Secondary Nitramine, 2,2,2-Trinitroethyl, and 2-Fluoro-2,2-dinitroethyl Moieties. <i>European Journal of Inorganic Chemistry</i> , 2013, 2013, 6028-6036.	2.0	13
24	Binary Flash Compositions - A Theoretical and Practical Study. <i>Propellants, Explosives, Pyrotechnics</i> , 2013, 38, 29-34.	1.6	8
25	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
26	Chemistry and Structures of Hexakis(halogenomethyl)-, Hexakis(azidomethyl)-, and Hexakis(nitratomethyl)disiloxanes. <i>Chemistry - A European Journal</i> , 2013, 19, 9198-9210.	3.3	2
27	Study of the Effect of Covolumes in BKW Equation of State on Detonation Properties of CHNO Explosives. <i>Propellants, Explosives, Pyrotechnics</i> , 2013, 38, 103-112.	1.6	15
28	Modification of BKW EOS Introducing Density-Dependent Molecular Covolumes Concept. <i>Materials Science Forum</i> , 2011, 673, 47-52.	0.3	10
29	Kinetics and enthalpy of nitroglycerin evaporation from double base propellants by isothermal thermogravimetry. <i>Thermochimica Acta</i> , 2010, 510, 9-16.	2.7	59
30	Calculation of Detonation Parameters by EXPLO5 Computer Program. <i>Materials Science Forum</i> , 2004, 465-466, 325-330.	0.3	138
31	1,3,3-trinitroazetidine (TNAZ). Part I. Syntheses and properties. <i>Journal of Energetic Materials</i> , 2001, 19, 219-239.	2.0	32
32	1,3,3-trinitroazetidine (TNAZ). Study of thermal behaviour. Part II. <i>Journal of Energetic Materials</i> , 2001, 19, 241-254.	2.0	10
33	Evaluation of Detonation Energy from EXPLO5 Computer Code Results. <i>Propellants, Explosives, Pyrotechnics</i> , 1999, 24, 280-285.	1.6	127
34	Calculation of thermodynamic parameters of combustion products of propellants under constant volume conditions using the virial equation of state. Influence of values of virial coefficients. <i>Journal of Energetic Materials</i> , 1999, 17, 253-278.	2.0	2
35	Experimental determination of detonation velocity. <i>International Journal for Blasting and Fragmentation</i> , 1997, 1, 261-284.	0.2	11
36	Test Methods for Explosives. , 1995, , .		138

#	ARTICLE	IF	CITATIONS
37	Role of the polyurethane component in the adhesive composition on the hydrolytic stability of the adhesive. <i>International Journal of Adhesion and Adhesives</i> , 1993, 13, 126-136.	2.9	44
38	Calculation of the Detonation Properties of $C_iH_jN_kO_l$ explosives. <i>Propellants, Explosives, Pyrotechnics</i> , 1991, 16, 197-202.	1.6	198