

Muhamed Suceska

List of Publications by Year in descending order

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38
papers

1,253
citations

623734

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395702

33
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39
docs citations

39
times ranked

621
citing authors

#	ARTICLE	IF	CITATIONS
1	Calculation of the Detonation Properties of $C_{15}H_{15}N_{15}O$ explosives. Propellants, Explosives, Pyrotechnics, 1991, 16, 197-202.	1.6	198
2	Test Methods for Explosives. , 1995, , .		138
3	Calculation of Detonation Parameters by EXPLO5 Computer Program. Materials Science Forum, 2004, 465-466, 325-330.	0.3	138
4	Evaluation of Detonation Energy from EXPLO5 Computer Code Results. Propellants, Explosives, Pyrotechnics, 1999, 24, 280-285.	1.6	127
5	3,3'-Bi(1,2,4-oxadiazoles) Featuring the Fluorodinitromethyl and Trinitromethyl Groups. Chemistry - A European Journal, 2014, 20, 7622-7631.	3.3	124
6	Kinetics and enthalpy of nitroglycerin evaporation from double base propellants by isothermal thermogravimetry. Thermochimica Acta, 2010, 510, 9-16.	2.7	59
7	Advanced Open-Chain Nitramines as Energetic Materials: Heterocyclic-Substituted 1,3-Dichloro-2-nitrazopropane. European Journal of Inorganic Chemistry, 2013, 2013, 4667-4678.	2.0	53
8	Energetic Materials Designing Bench (EMDB), Version 1.0. Propellants, Explosives, Pyrotechnics, 2017, 42, 854-856.	1.6	46
9	Role of the polyurethane component in the adhesive composition on the hydrolytic stability of the adhesive. International Journal of Adhesion and Adhesives, 1993, 13, 126-136.	2.9	44
10	Effects of closo-icosahedral periodoborane salts on hypergolic reactions of 70% H_2O_2 with energetic ionic liquids. Journal of Materials Chemistry A, 2018, 6, 19989-19997.	10.3	43
11	1,3,3-trinitroazetidine (TNAZ). Part I. Syntheses and properties. Journal of Energetic Materials, 2001, 19, 219-239.	2.0	32
12	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
13	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
14	Synthesis of 5-(1-H-tetrazolyl)-1-hydroxy-tetrazole and Energetically Relevant Nitrogen-Rich Ionic Derivatives. Propellants, Explosives, Pyrotechnics, 2014, 39, 550-557.	1.6	29
15	Study of the Effect of Covolumes in BKW Equation of State on Detonation Properties of CHNO Explosives. Propellants, Explosives, Pyrotechnics, 2013, 38, 103-112.	1.6	15
16	Asymmetric Carbamate Derivatives Containing Secondary Nitramine, 2,2,2-Trinitroethyl, and 2-Fluoro-2,2-dinitroethyl Moieties. European Journal of Inorganic Chemistry, 2013, 2013, 6028-6036.	2.0	13
17	Theoretical evaluation of TKX-50 as an ingredient in rocket propellants. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 572-574.	1.2	13
18	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

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19	Estimation of Explosive Energy Output by EXPLO5 Thermochemical Code. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2021, 647, 231-238.	1.2	12
20	Experimental determination of detonation velocity. International Journal for Blasting and Fragmentation, 1997, 1, 261-284.	0.2	11
21	1,3,3-trinitroazetidine (TNAZ). Study of thermal behaviour. Part II. Journal of Energetic Materials, 2001, 19, 241-254.	2.0	10
22	Modification of BKW EOS Introducing Density-Dependent Molecular Covolumes Concept. Materials Science Forum, 2011, 673, 47-52.	0.3	10
23	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
24	Binary Flash Compositions - A Theoretical and Practical Study. Propellants, Explosives, Pyrotechnics, 2013, 38, 29-34.	1.6	8
25	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
26	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
27	Contributions to the Chemistry of <i>N</i> -Methylnitramine: Crystal Structure, Synthesis of Nitrogen-Rich Salts, and Reactions towards 2-Azapropyl Derivatives. European Journal of Inorganic Chemistry, 2014, 2014, 4756-4771.	2.0	5
28	Comparative Study of 9–19mm Ammunition Combustion Products and Residues. Propellants, Explosives, Pyrotechnics, 2015, 40, 931-937.	1.6	5
29	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
30	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
31	Effect of Confinement on Detonation Velocity and Plate Dent Test Results for ANFO Explosive. Energies, 2022, 15, 4404.	3.1	3
32	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. Journal of Energetic Materials, 1999, 17, 253-278.	2.0	2
33	Chemistry and Structures of Hexakis(halogenomethyl)-, Hexakis(azidomethyl)-, and Hexakis(nitratomethyl)disiloxanes. Chemistry - A European Journal, 2013, 19, 9198-9210.	3.3	2
34	Using thermochemical code EXPLO5 to predict the performance parameters of explosives. Materiały Wysokoenergetyczne / High Energy Materials, 2021, , 17-27.	0.2	2
35	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
36	Estimation of detonation front curvature radius by empirical equations. Journal of Energetic Materials, 2024, 42, 169-186.	2.0	2

#	ARTICLE	IF	CITATIONS
37	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
38	A Method for Estimation of Blast Performance of RDX-IPN-AL Annular Thermobaric Charges. Propellants, Explosives, Pyrotechnics, 2021, 46, 1121-1135.	1.6	1