

Mohamed Abd-Elghany

List of Publications by Year in descending order

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Version: 2024-02-01

14
papers

471
citations

933447

10
h-index

1058476

14
g-index

15
all docs

15
docs citations

15
times ranked

323
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent advances in new oxidizers for solid rocket propulsion. <i>Green Chemistry</i> , 2017, 19, 4711-4736.	9.0	178
2	Thermal Behavior and Decomposition Kinetics of RDX and RDX/HTPB Composition Using Various Techniques and Methods. <i>Central European Journal of Energetic Materials</i> , 2016, 13, 714-735.	0.4	62
3	Application of vacuum stability test to determine thermal decomposition kinetics of nitramines bonded by polyurethane matrix. <i>Acta Astronautica</i> , 2017, 132, 124-130.	3.2	39
4	Investigation of different thermal analysis techniques to determine the decomposition kinetics of μ -2,4,6,8,10,12-hexanitro-2,4,6,8,10,12-hexaazaisowurtzitane with reduced sensitivity and its cured PBX. <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 126, 267-274.	5.5	37
5	Investigation of 2,2,2-trinitroethyl-nitrocarbamate as a high energy dense oxidizer and its mixture with Nitrocellulose (thermal behavior and decomposition kinetics). <i>Journal of Analytical and Applied Pyrolysis</i> , 2017, 128, 397-404.	5.5	32
6	Thermo-analytical study of 2,2,2-trinitroethyl-formate as a new oxidizer and its propellant based on a GAP matrix in comparison with ammonium dinitramide. <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 133, 30-38.	5.5	32
7	Kinetic Parameters of PBX Based on Cis-1,3,4,6-tetranitroocta-hydroimidazo[4,5-d]imidazole Obtained by Isoconversional Methods using Different Thermal Analysis Techniques. <i>Propellants, Explosives, Pyrotechnics</i> , 2017, 42, 468-476.	1.6	29
8	Thermal Behavior and Decomposition Kinetics of Bis(2,2,2-trinitroethyl)oxalate as a High Energy Dense Oxidizer and its Mixture with Nitrocellulose. <i>Propellants, Explosives, Pyrotechnics</i> , 2017, 42, 1373-1381.	1.6	21
9	A review on differential scanning calorimetry technique and its importance in the field of energetic materials. <i>ChemistrySelect</i> , 2018, 3, .	1.5	13
10	Environmentally safe (chlorine-free): new green propellant formulation based on 2,2,2-trinitroethyl-formate and HTPB. <i>RSC Advances</i> , 2018, 8, 11771-11777.	3.6	13
11	Higher Performance and Safer Handling: Formulation Based on 2,2,2-trinitroethyl Formate and Nitrocellulose. <i>ChemPlusChem</i> , 2018, 83, 128-131.	2.8	8
12	Performance characteristics of modified HMX-gun propellants. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 610, 012004.	0.6	2
13	Performance of advanced composite solid rocket propellants based on novel oxidizers. <i>IOP Conference Series: Materials Science and Engineering</i> , 2019, 610, 012002.	0.6	1
14	NEW GREEN AND THERMALLY STABLE SOLID PROPELLANT FORMULATIONS BASED ON TNEF. <i>International Journal of Energetic Materials and Chemical Propulsion</i> , 2018, 17, 349-357.	0.3	1