Mohamed Abd-Elghany

List of Publications by Year
in descending order

14	471	933264 10	1058333 14
papers	citations	h-index	g-index

15	15	15	323
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Performance characteristics of modified HMX-gun propellants. IOP Conference Series: Materials Science and Engineering, 2019, 610, 012004.	0.3	2
2	Performance of advanced composite solid rocket propellants based on novel oxidizers. IOP Conference Series: Materials Science and Engineering, 2019, 610, 012002.	0.3	1
3	A review on differential scanning calorimetry technique and its importance in the field of energetic materials. ChemistrySelect, 2018, 3, .	0.7	13
4	Environmentally safe (chlorine-free): new green propellant formulation based on 2,2,2-trinitroethyl-formate and HTPB. RSC Advances, 2018, 8, 11771-11777.	1.7	13
5	Higher Performance and Safer Handling: Formulation Based on 2,2,2â€Trinitroethyl Formate and Nitrocellulose. ChemPlusChem, 2018, 83, 128-131.	1.3	8
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. Journal of Analytical and Applied Pyrolysis, 2018, 133, 30-38.	2.6	32
7	NEW GREEN AND THERMALLY STABLE SOLID PROPELLANT FORMULATIONS BASED ON TNEF. International Journal of Energetic Materials and Chemical Propulsion, 2018, 17, 349-357.	0.2	1
8	Kinetic Parameters of PBX Based on Cisâ€1,3,4,6â€tetranitrooctaâ€hydroimidazoâ€[4,5â€d] imidazole Obtained by Isoconversional Methods using Different Thermal Analysis Techniques. Propellants, Explosives, Pyrotechnics, 2017, 42, 468-476.	1.0	29
9	Application of vacuum stability test to determine thermal decomposition kinetics of nitramines bonded by polyurethane matrix. Acta Astronautica, 2017, 132, 124-130.	1.7	39
10	Thermal Behavior and Decomposition Kinetics of Bis(2,2,2â€trinitroethyl)â€oxalate as a High Energy Dense Oxidizer and its Mixture with Nitrocellulose. Propellants, Explosives, Pyrotechnics, 2017, 42, 1373-1381.	1.0	21
11	Recent advances in new oxidizers for solid rocket propulsion. Green Chemistry, 2017, 19, 4711-4736.	4.6	178
12	Investigation of 2,2,2-trinitroethyl-nitrocarbamate as a high energy dense oxidizer and its mixture with Nitrocellulose (thermal behavior and decomposition kinetics). Journal of Analytical and Applied Pyrolysis, 2017, 128, 397-404.	2.6	32
13	Investigation of different thermal analysis techniques to determine the decomposition kinetics of Îµ-2,4,6,8,10,12-hexanitro-2,4,6,8,10,12-hexaazaisowurtzitane with reduced sensitivity and its cured PBX. Journal of Analytical and Applied Pyrolysis, 2017, 126, 267-274.	2.6	37
14	Thermal Behavior and Decomposition Kinetics of RDX and RDX/HTPB Composition Using Various Techniques and Methods. Central European Journal of Energetic Materials, 2016, 13, 714-735.	0.5	62