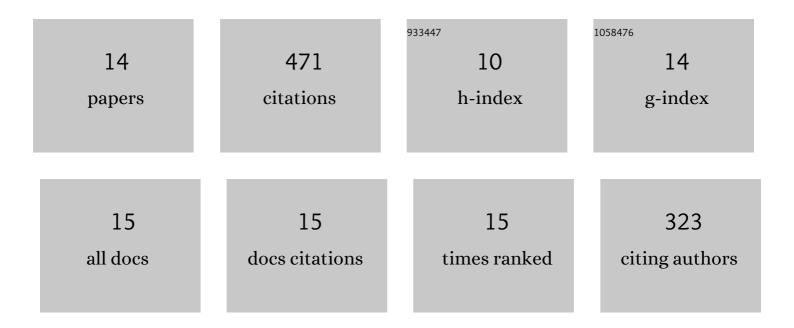
Mohamed Abd-Elghany

List of Publications by Year in descending order

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#	Article	IF	CITATIONS
1	Recent advances in new oxidizers for solid rocket propulsion. Green Chemistry, 2017, 19, 4711-4736.	9.0	178
2	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.	0.4	62
3	Application of vacuum stability test to determine thermal decomposition kinetics of nitramines bonded by polyurethane matrix. Acta Astronautica, 2017, 132, 124-130.	3.2	39
4	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.	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). Journal of Analytical and Applied Pyrolysis, 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. Journal of Analytical and Applied Pyrolysis, 2018, 133, 30-38.	5.5	32
7	Kinetic Parameters of PBX Based on Cisâ€1,3,4,6â€tetranitrooctaâ€hydroimidazoâ€[4,5â€d] imidazole Obtained Isoconversional Methods using Different Thermal Analysis Techniques. Propellants, Explosives, Pyrotechnics, 2017, 42, 468-476.	by 1.6	29
8	Thermal Behavior and Decomposition Kinetics of Bis(2,2,2â€ŧrinitroethyl)â€oxalate as a High Energy Dense Oxidizer and its Mixture with Nitrocellulose. Propellants, Explosives, Pyrotechnics, 2017, 42, 1373-1381.	1.6	21
9	A review on differential scanning calorimetry technique and its importance in the field of energetic materials. ChemistrySelect, 2018, 3, .	1.5	13
10	Environmentally safe (chlorine-free): new green propellant formulation based on 2,2,2-trinitroethyl-formate and HTPB. RSC Advances, 2018, 8, 11771-11777.	3.6	13
11	Higher Performance and Safer Handling: Formulation Based on 2,2,2â€Trinitroethyl Formate and Nitrocellulose. ChemPlusChem, 2018, 83, 128-131.	2.8	8
12	Performance characteristics of modified HMX-gun propellants. IOP Conference Series: Materials Science and Engineering, 2019, 610, 012004.	0.6	2
13	Performance of advanced composite solid rocket propellants based on novel oxidizers. IOP Conference Series: Materials Science and Engineering, 2019, 610, 012002.	0.6	1
14	NEW GREEN AND THERMALLY STABLE SOLID PROPELLANT FORMULATIONS BASED ON TNEF. International Journal of Energetic Materials and Chemical Propulsion, 2018, 17, 349-357.	0.3	1