

# Traian Rotariu

## List of Publications by Year in descending order

Source: <https://exaly.com/author-pdf/9237559/publications.pdf>

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#	ARTICLE	IF	CITATIONS
1	Novel polyurea polymers with enhanced mechanical properties. Journal of Applied Polymer Science, 2016, 133, .	1.3	32
2	Decontamination of radioactive hazardous materials by using novel biodegradable strippable coatings and new generation complexing agents. Chemosphere, 2020, 258, 127227.	4.2	25
3	New polyurea <scp>MWCNT</scp>s nanocomposite films with enhanced mechanical properties. Journal of Applied Polymer Science, 2017, 134, 45061.	1.3	24
4	Water-based strippable coatings containing bentonite clay for heavy metal surface decontamination. Arabian Journal of Chemistry, 2019, 12, 4026-4034.	2.3	18
5	Towards developing an efficient sensitive element for trinitrotoluene detection: TiO <sub>2</sub> thin films functionalized with molecularly imprinted copolymer films. Applied Surface Science, 2016, 384, 449-458.	3.1	13
6	Temperature measurements of magnesium- and aluminum-based flares. Journal of Thermal Analysis and Calorimetry, 2014, 115, 1407-1415.	2.0	8
7	Biomimetic Sensitive Elements for 2,4,6-Trinitrotoluene Tested on Multi-Layered Sensors. Coatings, 2020, 10, 273.	1.2	8
8	Eco-Friendly Peelable Active Nanocomposite Films Designed for Biological and Chemical Warfare Agents Decontamination. Polymers, 2021, 13, 3999.	2.0	7
9	Reducing impacts from ammunitions: A comparative life-cycle assessment of four types of 9 mm ammunitions. Science of the Total Environment, 2016, 566-567, 34-40.	3.9	6
10	Azido( <i>tert</i> -butylperoxy)methyl Compounds – An Exceptional Class of Energetic Materials. European Journal of Organic Chemistry, 2016, 2016, 4382-4386.	1.2	6
11	Comparative Study of 9–19mm Ammunition Combustion Products and Residues. Propellants, Explosives, Pyrotechnics, 2015, 40, 931-937.	1.0	5
12	Strippable Polymeric Nanocomposites Comprising “Green” Chelates, for the Removal of Heavy Metals and Radionuclides. Polymers, 2021, 13, 4194.	2.0	5
13	Poly(2-hydroxyethyl methacrylate-co-dodecyl methacrylate-co-acrylic acid): synthesis, physico-chemical characterisation and nafcillin carrier. Journal of Materials Science: Materials in Medicine, 2010, 21, 2793-2804.	1.7	4
14	Numerical Simulation and Experimental Tests on Explosively-Induced Water Jet Phenomena. Propellants, Explosives, Pyrotechnics, 2016, 41, 1020-1028.	1.0	4
15	Environmental Long Term Impact on a Romanian Military Testing Range. Central European Journal of Energetic Materials, 2016, 13, 3-19.	0.5	4
16	Novel formulations of ballistic gelatin. 1. Rheological properties. Forensic Science International, 2016, 263, 204-210.	1.3	3
17	Thermal and spectroscopic measurements of some energetic compositions and corresponding aerosols obtained. Combustion, Explosion and Shock Waves, 2013, 49, 204-214.	0.3	2
18	A Method for Estimation of Blast Performance of RDX-CIPN-AL Annular Thermobaric Charges. Propellants, Explosives, Pyrotechnics, 2021, 46, 1121-1135.	1.0	1