

# Traian Rotariu

## List of Publications by Year in descending order

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papers

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citing authors

| #  | ARTICLE  | IF  | CITATIONS |
|----|--|-----|-----------|
| 1  | A Method for Estimation of Blast Performance of RDX/PN/Al Annular Thermobaric Charges. Propellants, Explosives, Pyrotechnics, 2021, 46, 1121-1135.   | 1.0 | 1         |
| 2  | Eco-Friendly Peelable Active Nanocomposite Films Designed for Biological and Chemical Warfare Agents Decontamination. Polymers, 2021, 13, 3999.  | 2.0 | 7         |
| 3  | Strippable Polymeric Nanocomposites Comprising "Green" Chelates, for the Removal of Heavy Metals and Radionuclides. Polymers, 2021, 13, 4194.  | 2.0 | 5         |
| 4  | Decontamination of radioactive hazardous materials by using novel biodegradable strippable coatings and new generation complexing agents. Chemosphere, 2020, 258, 127227.  | 4.2 | 25        |
| 5  | Biomimetic Sensitive Elements for 2,4,6-Trinitrotoluene Tested on Multi-Layered Sensors. Coatings, 2020, 10, 273.  | 1.2 | 8         |
| 6  | Water-based strippable coatings containing bentonite clay for heavy metal surface decontamination. Arabian Journal of Chemistry, 2019, 12, 4026-4034.  | 2.3 | 18        |
| 7  | New polyurea <scp>MWCNT</scp>s nanocomposite films with enhanced mechanical properties. Journal of Applied Polymer Science, 2017, 134, 45061.  | 1.3 | 24        |
| 8  | Novel polyurea polymers with enhanced mechanical properties. Journal of Applied Polymer Science, 2016, 133, .  | 1.3 | 32        |
| 9  | Novel formulations of ballistic gelatin. 1. Rheological properties. Forensic Science International, 2016, 263, 204-210.  | 1.3 | 3         |
| 10 | 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         |
| 11 | 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         |
| 12 | Numerical Simulation and Experimental Tests on Explosively-Induced Water Jet Phenomena. Propellants, Explosives, Pyrotechnics, 2016, 41, 1020-1028.  | 1.0 | 4         |
| 13 | Towards developing an efficient sensitive element for trinitrotoluene detection: TiO2 thin films functionalized with molecularly imprinted copolymer films. Applied Surface Science, 2016, 384, 449-458.                 | 3.1 | 13        |
| 14 | Environmental Long Term Impact on a Romanian Military Testing Range. Central European Journal of Energetic Materials, 2016, 13, 3-19.  | 0.5 | 4         |
| 15 | Comparative Study of 9Å–19Å...mm Ammunition Combustion Products and Residues. Propellants, Explosives, Pyrotechnics, 2015, 40, 931-937.  | 1.0 | 5         |
| 16 | Temperature measurements of magnesium- and aluminum-based flares. Journal of Thermal Analysis and Calorimetry, 2014, 115, 1407-1415.   | 2.0 | 8         |
| 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 | 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         |