

# Natan Petrutik

## List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Molecular and Crystal Features of Thermostable Energetic Materials: Guidelines for Architecture of $\alpha$ -Bridged Compounds. ACS Central Science, 2020, 6, 54-75.	11.3	89
2	Highly Thermostable and Insensitive Energetic Hybrid Coordination Polymers Based on Graphene Oxide-Cu(II) Complex. Chemistry of Materials, 2016, 28, 6118-6126.	6.7	85
3	Highly insensitive and thermostable energetic coordination nanomaterials based on functionalized graphene oxides. Journal of Materials Chemistry A, 2016, 4, 9941-9948.	10.3	58
4	Iodocuprate-containing ionic liquids as promoters for green propulsion. Journal of Materials Chemistry A, 2018, 6, 22819-22829.	10.3	44
5	A layered 2D triaminoguanidine-glyoxal polymer and its transition metal complexes as novel insensitive energetic nanomaterials. Journal of Materials Chemistry A, 2016, 4, 18401-18408.	10.3	43
6	Effects of closo-icosahedral periodoborane salts on hypergolic reactions of 70% $\text{H}_2\text{O}_2$ with energetic ionic liquids. Journal of Materials Chemistry A, 2018, 6, 19989-19997.	10.3	43
7	Formation of Highly Thermostable Copper-Containing Energetic Coordination Polymers Based on Oxidized Triaminoguanidine. ACS Applied Materials & Interfaces, 2016, 8, 21674-21682.	8.0	25
8	Tandem-action ferrocenyl iodocuprates promoting low temperature hypergolic ignitions of green EIL- $\text{H}_2\text{O}_2$ bipropellants. Journal of Materials Chemistry A, 2020, 8, 14661-14670.	10.3	21
9	Energetic Butterfly: Heat-Resistant Diaminodinitro trans-Bimane. Molecules, 2019, 24, 4324.	3.8	17
10	Novel nitrogen-rich energetic macromolecules based on 3,6-dihydrazinyl-1,2,4,5-tetrazine. RSC Advances, 2015, 5, 106971-106980.	3.6	9
11	Low-Power Laser Ignition of an Antenna-Type Secondary Energetic Copper Complex: Synthesis, Characterization, Evaluation, and Ignition Mechanism Studies. Inorganic Chemistry, 2021, 60, 10909-10922.	4.0	3