

Natan Petrutik

List of Publications by Year in descending order

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#	ARTICLE	IF	CITATIONS
1	Low-Power Laser Ignition of an Antenna-Type Secondary Energetic Copper Complex: Synthesis, Characterization, Evaluation, and Ignition Mechanism Studies. <i>Inorganic Chemistry</i> , 2021, 60, 10909-10922.	4.0	3
2	Molecular and Crystal Features of Thermostable Energetic Materials: Guidelines for Architecture of μ -Bridged Compounds. <i>ACS Central Science</i> , 2020, 6, 54-75.	11.3	89
3	μ -Tandem-action-ferrocenyl iodocuprates promoting low temperature hypergolic ignitions of μ -green-EIL- H_2O_2 -bipropellants. <i>Journal of Materials Chemistry A</i> , 2020, 8, 14661-14670.	10.3	21
4	Energetic Butterfly: Heat-Resistant Diaminodinitro trans-Bimane. <i>Molecules</i> , 2019, 24, 4324.	3.8	17
5	Iodocuprate-containing ionic liquids as promoters for green propulsion. <i>Journal of Materials Chemistry A</i> , 2018, 6, 22819-22829.	10.3	44
6	Effects of closo-icosahedral periodoborane salts on hypergolic reactions of 70% H_2O_2 with energetic ionic liquids. <i>Journal of Materials Chemistry A</i> , 2018, 6, 19989-19997.	10.3	43
7	Formation of Highly Thermostable Copper-Containing Energetic Coordination Polymers Based on Oxidized Triaminoguanidine. <i>ACS Applied Materials & Interfaces</i> , 2016, 8, 21674-21682.	8.0	25
8	Highly Thermostable and Insensitive Energetic Hybrid Coordination Polymers Based on Graphene Oxide-Cu(II) Complex. <i>Chemistry of Materials</i> , 2016, 28, 6118-6126.	6.7	85
9	A layered 2D triaminoguanidine-glyoxal polymer and its transition metal complexes as novel insensitive energetic nanomaterials. <i>Journal of Materials Chemistry A</i> , 2016, 4, 18401-18408.	10.3	43
10	Highly insensitive and thermostable energetic coordination nanomaterials based on functionalized graphene oxides. <i>Journal of Materials Chemistry A</i> , 2016, 4, 9941-9948.	10.3	58
11	Novel nitrogen-rich energetic macromolecules based on 3,6-dihydrazinyl-1,2,4,5-tetrazine. <i>RSC Advances</i> , 2015, 5, 106971-106980.	3.6	9