

Guijuan Fan

List of Publications by Year in descending order

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papers

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758635

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31
times ranked

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citing authors

#	ARTICLE	IF	CITATIONS
1	Pyrazol-triazole energetic hybrid with high thermal stability and decreased sensitivity: facile synthesis, characterization and promising performance. <i>Chemical Engineering Journal</i> , 2020, 379, 122331.	6.6	58
2	Access to green primary explosives <i>via</i> constructing coordination polymers based on bis-tetrazole oxide and non-lead metals. <i>Green Chemistry</i> , 2019, 21, 1947-1955.	4.6	55
3	From a Novel Energetic Coordination Polymer Precursor to Diverse Mn ₂ O ₃ Nanostructures: Control of Pyrolysis Products Morphology Achieved by Changing the Calcination Atmosphere. <i>Crystal Growth and Design</i> , 2016, 16, 6849-6857.	1.4	30
4	Theoretical investigations on 4,4'-dinitro-5,5'-tetranitro-2,2'-bimidazole derivatives as potential nitrogen-rich high energy materials. <i>Journal of Physical Organic Chemistry</i> , 2015, 28, 31-39.	0.9	25
5	Preparation and characteristics of 1,2,4-oxadiazole-derived energetic ionic salts with nitrogen linkages. <i>New Journal of Chemistry</i> , 2018, 42, 4036-4044.	1.4	25
6	Formation of trinitromethyl functionalized 1,2,4-triazole-based energetic ionic salts and a zwitterionic salt directed by an intermolecular and intramolecular metathesis strategy. <i>New Journal of Chemistry</i> , 2018, 42, 2376-2380.	1.4	24
7	One-Pot Synthesis, Crystal Structure, and Thermal Decomposition Behavior of 1,1'-Diamino-4,4',5,5'-Tetranitro-2,2'-Biimidazole. <i>Journal of Energetic Materials</i> , 2017, 35, 239-249.	1.0	21
8	Polymorphism in a Nonsensitive-High-Energy Material: Discovery of a New Polymorph and Crystal Structure of 4,4'-dinitro-5,5'-tetranitro-1,1'-[2,2'-biimidazole]-1,1'-diamine. <i>Crystal Growth and Design</i> , 2020, 20, 8005-8014.	1.4	20
9	A study on the comprehension of differences in specific kinetic energy of TKX-50 and HMX from the perspective of gas products. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 6600-6605.	1.3	19
10	5-Amino-1H-1,2,4-triazole-3-carbohydrazide and its applications in the synthesis of energetic salts: a new strategy for constructing the nitrogen-rich cation based on the energetic moiety combination. <i>Dalton Transactions</i> , 2018, 47, 13391-13401.	1.6	18
11	5,6-Di(2-fluoro-2,2-dinitroethoxy)furazano[3,4-b]pyrazine: a high performance melt-cast energetic material and its polycrystalline properties. <i>RSC Advances</i> , 2017, 7, 38844-38852.	1.7	15
12	Thermally Stable Energetic Salts Composed of Heterocyclic Anions and Cations Based on 3,6,7-triamino-7% triazolo[5,1-c]triazole: Synthesis and Intermolecular Interaction Study. <i>ChemPlusChem</i> , 2017, 82, 474-482.	1.7	14
13	Comprehensive Study of the Interaction and Mechanism between Bistetrazole Ionic Salt and Ammonium Nitrate Explosive in Thermal Decomposition. <i>Journal of Physical Chemistry C</i> , 2019, 123, 27286-27294.	1.5	13
14	Stabilization of an intramolecular hydrogen-bond block in an s-triazine insensitive high-energy material. <i>New Journal of Chemistry</i> , 2019, 43, 10675-10679.	1.4	13
15	Accelerated discovery of thermostable high-energy materials with intramolecular donor-acceptor building blocks. <i>Chemical Communications</i> , 2022, 58, 4460-4463.	2.2	13
16	Superior thermally robust energetic materials featuring <i>Z</i> isomeric bis(3,4-diamino-1,2,4-triazol-5-yl)-1H-pyrazole: self-assembly nitrogen-rich tubes and templates with Hofmeister anion capture architecture. <i>CrystEngComm</i> , 2020, 22, 3144-3154.	1.3	12
17	The effects of H ⁺ , NH ₃ OH ⁺ and NH ₄ ⁺ on the thermal decomposition of bistetrazole <i>N</i> -oxide anion. <i>Physical Chemistry Chemical Physics</i> , 2019, 21, 15215-15221.	1.3	9
18	An energetic derivative of 2,2',4,4',6,6'-hexanitrostilbene (HNS) and its DMF solvate crystallized from HNS solution with tertiary amine additives. <i>Journal of Energetic Materials</i> , 2019, 37, 90-97.	1.0	8

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19	Synthesis of 5,5'-azoxybistetrazole via nitration and de-oxygen rearrangement of triazene. <i>New Journal of Chemistry</i> , 2017, 41, 11512-11516.	1.4	7
20	Synthesis and thermal decomposition performance of 3,6,7-triamino-7H-s-triazolo[5,1-c]-s-triazole. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 127, 2517-2529.	2.0	7
21	High Density Energetic Zwitterionic Diazonium 1,2,4-Triazolates Resulting from an Interesting Bond Cleavage of 1,2-Bis(3,4-diamino-1,2,4-triazol-5-yl)ethane. <i>ChemistrySelect</i> , 2018, 3, 1650-1654.	0.7	7
22	Heat-Resistant Energetic Materials Deriving from Benzopyridotetraazapentalene: Halogen Bonding Effects on the Outcome of Crystal Structure, Thermal Stability and Sensitivity. <i>Propellants, Explosives, Pyrotechnics</i> , 2021, 46, 593-599.	1.0	7
23	Synthesis of 5,6-Di(2-fluoro-2-dinitro ethoxy)-3,4-Dicyanopyrazine by One-step Nucleophilic Substitution and Its Energetic Properties. <i>ChemistrySelect</i> , 2017, 2, 4567-4571.	0.7	7
24	Synthesis and Characterization of New Melt-cast Energetic Salts: Dipotassium and Diaminoguanidinium N,N'-Dinitro-N,N'-bis(3-dinitromethyl-furazanate(4-yl)methylenediamine. <i>Propellants, Explosives, Pyrotechnics</i> , 2018, 43, 90-95.	0.7	5
25	Synthesis and Characterization of 5-(2-fluoro-2-dinitroethyl)-N-methyl-1H-tetrazole-5-amine and its Nitramide Based on Functionalized Amino Group in 5-Amino-1H-tetrazole. <i>ChemistrySelect</i> , 2018, 3, 6902-6906.	0.7	5
26	Kinetics and mechanism of decomposition induced by solvent evolution in ICM-101 solvates: solvent-evolution-induced low-temperature decomposition. <i>Physical Chemistry Chemical Physics</i> , 2020, 22, 3563-3569.	1.3	5
27	Comparative Study of the Decomposition Mechanism and Kinetics of Biimidazole-Based Energetic Explosives. <i>Journal of Physical Chemistry A</i> , 2020, 124, 3672-3678.	1.1	5
28	Theoretical Screening of Novel 5-picrylamino-1,2,3,4-tetrazole (PAT) and 5,5'-styphnylamino-1,2,3,4-tetrazole (SAT) Derivatives: A New Molecular Design Strategy of Multi-Nitrogen Energetic Materials by Introducing Intermolecular Hydrogen Bonds and π - π Stacking Interactions. <i>Polycyclic Aromatic Compounds</i> , 2017, 37, 327-344.	1.4	4
29	Synthesis, characterization and properties of a novel energetic ionic salt: dicarbohydrazide bis[3-(5-nitroimino-1,2,4-triazole)]. <i>New Journal of Chemistry</i> , 2019, 43, 6422-6428.	1.4	4
30	The Preparation and Properties of Submicrometer-Sized N-Amino-2,4-dinitroimidazole (ADNI): A Novel and Promising Initiating Explosive for Applications in Short Pulse Initiation Slapper Detonators. <i>ChemistrySelect</i> , 2018, 3, 977-983.	0.7	0