

# Jian-guo Zhang

## List of Publications by Year in descending order

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300  
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3,824  
citations

172386

29  
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276775

41  
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305  
all docs

305  
docs citations

305  
times ranked

2337  
citing authors

#	ARTICLE	IF	CITATIONS
1	Facile synthesis of a Ag( $\text{H}_2\text{NCH}_2\text{NCH}_2\text{NCH}_2\text{NCH}_2\text{NH}_2$ )-doped coordination polymer with enhanced catalytic performance in the photodegradation of azo dyes in water. <i>Journal of Materials Chemistry A</i> , 2015, 3, 5908-5916.	5.2	117
2	Energetic Salts Based on Tetrazole $\text{N}_4\text{O}$ -Oxide. <i>Chemistry - A European Journal</i> , 2016, 22, 7670-7685.	1.7	87
3	The synthesis of octahedral nanoparticles of magnetite. <i>Materials Letters</i> , 2006, 60, 2998-3001.	1.3	86
4	Cadmium(II) Coordination Polymers of 4-Pyr-poly-2-ene and Carboxylates: Construction, Structure, and Photochemical Double [2 + 2] Cycloaddition and Luminescent Sensing of Nitroaromatics and Mercury(II) Ions. <i>Crystal Growth and Design</i> , 2017, 17, 870-881.	1.4	83
5	A novel cocrystal explosive NTO/TZTN with good comprehensive properties. <i>RSC Advances</i> , 2015, 5, 28354-28359.	1.7	76
6	Unraveling the Intercorrelation Between Micro/Mesopores and K Migration Behavior in Hard Carbon. <i>Small</i> , 2022, 18, e2107113.	5.2	65
7	A DFT and ab initio direct dynamics study on the hydrogen abstract reaction of $\text{H}_3\text{BNH}_3^+\text{H}_2 + \text{H}_2\text{BNH}_2$ . <i>Chemical Physics Letters</i> , 2005, 404, 100-106.	1.2	58
8	Luminescent cadmium( $\text{H}_2\text{NCH}_2\text{NCH}_2\text{NCH}_2\text{NCH}_2\text{NH}_2$ ) coordination polymers of 1,2,4,5-tetrakis(4-pyridylvinyl)benzene used as efficient multi-responsive sensors for toxic metal ions in water. <i>Dalton Transactions</i> , 2017, 46, 16861-16871.	1.6	57
9	The facile synthesis of graphene nanoplatelet-lead styphnate composites and their depressed electrostatic hazards. <i>Journal of Materials Chemistry A</i> , 2013, 1, 12710.	5.2	55
10	Synthesis, structural investigation, thermal decomposition mechanism and sensitivity properties of an energetic compound $[\text{Cd}(\text{DAT})_6](\text{ClO}_4)_2$ (DAT=1,5-diaminotetrazole). <i>Journal of Hazardous Materials</i> , 2008, 160, 45-50.	6.5	52
11	Preparation, Crystal Structure, Thermal Decomposition, and Explosive Properties of a Novel Energetic Compound $[\text{Zn}(\text{N}_2\text{H}_4)_2(\text{N}_3)_2] \cdot \text{N}_2\text{H}_4$ : A New High-Nitrogen Material (N = 65.60%). <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 450-455.	0.6	46
12	Extensive theoretical studies on two new members of the FOX-7 family: 5-(dinitromethylene)-1,4-dinitramino-tetrazole and 1,1-dinitro-4,4-diamino-5,5-bistetrazole as energetic compounds. <i>Physical Chemistry Chemical Physics</i> , 2015, 17, 5840-5848.	1.3	44
13	Nitro-tetrazole based high performing explosives: Recent overview of synthesis and energetic properties. <i>Defence Technology</i> , 2021, 17, 1995-2010.	2.1	42
14	Studies on three-dimensional coordination polymer $[\text{Cd}_2(\text{N}_2\text{H}_4)_2(\text{N}_3)_4]_n$ : Crystal structure, thermal decomposition mechanism and explosive properties. <i>Journal of Hazardous Materials</i> , 2008, 154, 832-838.	6.5	37
15	Carboxylate-Assisted Assembly of Zinc and Cadmium Coordination Complexes of 1,3,5-Tri-4-pyridyl-1,2-ethenylbenzene: Structures and Visible-Light-Induced Photocatalytic Degradation of Congo Red in Water. <i>Crystal Growth and Design</i> , 2018, 18, 6172-6184.	1.4	37
16	Transition Metal Complexes Based on Hypergolic Anions for Catalysis of Ammonium Perchlorate Thermal Decomposition. <i>Energy &amp; Fuels</i> , 2020, 34, 14667-14675.	2.5	37
17	Preparation, crystal structures, thermal decompositions and explosive properties of two new high-nitrogen azide ethylenediamine energetic compounds. <i>New Journal of Chemistry</i> , 2013, 37, 646-653.	1.4	36
18	Combination Multinitrogen with Good Oxygen Balance: Molecule and Synthesis Design of Polynitro-Substituted Tetrazolotriazine-Based Energetic Compounds. <i>Journal of Organic Chemistry</i> , 2015, 80, 5643-5651.	1.7	36

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19	Recent Process and Development of Metal Aminoborane. Chemistry - an Asian Journal, 2013, 8, 1076-1089.	1.7	34
20	3,4-Diamino-1,2,4-triazole based energetic salts: synthesis, characterization, and energetic properties. New Journal of Chemistry, 2015, 39, 5265-5271.	1.4	33
21	A novel insensitive cocrystal explosive BTO/ATZ: preparation and performance. RSC Advances, 2016, 6, 76075-76083.	1.7	33
22	Green Energetic Nitrogen-Rich Salts of 1,1'-Dinitramino-5,5'-bis(1,2,4-triazolate). Chemistry - A European Journal, 2017, 23, 11159-11168.	1.7	32
23	High-Energy Nitramine Explosives: A Design Strategy from Linear to Cyclic to Caged Molecules. ACS Omega, 2018, 3, 9739-9745.	1.6	32
24	Planar, Energetic, $\pi$ - $\pi$ -Stacked Compound with Weak Interactions Resulting in a High-Impact- and Low-Friction-Sensitive, Safer, Primary Explosive. Inorganic Chemistry, 2019, 58, 7653-7656.	1.9	32
25	Preparation, Crystal Structure, Thermal Decomposition, and Explosive Properties of $[\text{Cd}(\text{en})(\text{N}_3)_2](\text{N}_3)_n$ . Propellants, Explosives, Pyrotechnics, 2010, 35, 521-528.	1.0	31
26	A Novel Nitrogen-Rich Cadmium Coordination Compound Based on 1,5-Diaminotetrazole: Synthesis, Structure Investigation, and Thermal Properties. Journal of Chemical & Engineering Data, 2010, 55, 3109-3116.	1.0	31
27	Preparation, Crystal Structures, Thermal Decomposition and Explosive Properties of Two Novel Energetic Compounds $\text{M}(\text{IMI})_4(\text{N}_3)_2$ ( $\text{M} = \text{Cu}^{\text{II}}$ and $\text{Tl}^{\text{I}}$ ). Inorganic Chemistry, 2011, 2011, 2616-2623.	1.0784314	31
28	Synthesis, crystal structure, thermal decomposition, and non-isothermal reaction kinetic analysis of an energetic complex: $[\text{Mg}(\text{CHZ})_3](\text{ClO}_4)_2$ ( $\text{CHZ} = \text{carbohydrazide}$ ). Journal of Coordination Chemistry, 2012, 65, 143-155.	0.8	31
29	Multi-stage decomposition of 5-aminotetrazole derivatives: kinetics and reaction channels for the rate-limiting steps. Physical Chemistry Chemical Physics, 2014, 16, 24282-24291.	1.3	31
30	Alkaline and Earth Alkaline Energetic Materials Based on a Versatile and Multifunctional 1-Aminotetrazol-5-one Ligand. Inorganic Chemistry, 2018, 57, 15105-15111.	1.9	31
31	Crystal structures, thermal decompositions and sensitivity properties of $[\text{Cu}(\text{ethylenediamine})_2(\text{nitroformate})_2]$ and $[\text{Cd}(\text{ethylenediamine})_3](\text{nitroformate})_2$ . Journal of Hazardous Materials, 2009, 164, 962-967.	6.5	30
32	Design of Zero Oxygen Balance Energetic Materials on the Basis of Diels-Alder Chemistry. Journal of Organic Chemistry, 2018, 83, 14698-14702.	1.7	28
33	Synthesis, structure, and thermal behavior of a 2-D polymeric $\text{Ca}(\text{II})$ compound with tetrazole-1-acetic acid. Journal of Coordination Chemistry, 2013, 66, 1276-1286.	0.8	27
34	Effects of synthetical conditions on octahedral magnetite nanoparticles. Materials Science and Engineering B: Solid-State Materials for Advanced Technology, 2007, 136, 101-105.	1.7	26
35	A screened hybrid density functional study on energetic complexes: Cobalt, nickel and copper carbohydrazide perchlorates. Journal of Hazardous Materials, 2010, 179, 21-27.	6.5	25
36	Synthesis, structural characterization and thermal analysis of a high nitrogen-contented cadmium (II) coordination polymer based on 1,5-diaminotetrazole. Journal of Molecular Structure, 2011, 1004, 8-12.	1.8	25

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37	Nanoscale effect on thermal decomposition kinetics of organic particles: dynamic vacuum stability test of 1,3,5-triamino-2,4,6-trinitrobenzene. <i>Physical Chemistry Chemical Physics</i> , 2013, 15, 7889.	1.3	25
38	Formation of Highly Thermostable Copper-Containing Energetic Coordination Polymers Based on Oxidized Triaminoguanidine. <i>ACS Applied Materials &amp; Interfaces</i> , 2016, 8, 21674-21682.	4.0	25
39	Hydrazine 5,5'-bitetrazole-1,1'-diolate: a promising high density energetic salt with good properties. <i>Dalton Transactions</i> , 2016, 45, 19045-19052.	1.6	25
40	Structural Diversity and Properties of M(II) Coordination Compounds Constructed by 3-Hydrazino-4-amino-1,2,4-triazole Dihydrochloride as Starting Material. <i>Inorganic Chemistry</i> , 2016, 55, 322-329.	1.9	25
41	Antistatic Modification of Lead Styphnate and Lead Azide for Surfactant Applications. <i>Propellants, Explosives, Pyrotechnics</i> , 2013, 38, 569-576.	1.0	24
42	Synthesis, Crystal Structure, Thermal Decomposition, and Sensitive Properties of Two Novel Energetic Cadmium(II) Complexes Based on 4-Amino-1,2,4-triazole. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2011, 637, 2215-2222.	0.6	23
43	Two Environmentally Friendly Energetic Compounds, $[Mn(AZT)_4(H_2O)_2](PA)_2 \cdot 4H_2O$ and $[Co(AZT)_2(H_2O)_4](PA)_2$ , Based on 3-Azido-1,2,4-triazole (AZT) and Picrate (PA). <i>European Journal of Inorganic Chemistry</i> , 2012, 2012, 1261-1268.	1.0	23
44	A Novel Stable High-Nitrogen Energetic Compound: Copper(II) 1,2-Diaminopropane Azide. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2014, 640, 224-228.	0.6	23
45	Synthesis and Characterization of the Nitrophenol Energetic Ionic Salts of 5,6,7,8-Tetrahydrotetrazolo[1,5-b][1,2,4]triazine. <i>European Journal of Inorganic Chemistry</i> , 2014, 2014, 4690-4695.	1.0	23
46	Recent advances on the nitrogen-rich 1,2,4-oxadiazole-azoles-based energetic materials. <i>Defence Technology</i> , 2022, 18, 344-367.	2.1	23
47	The mechanism and kinetics of decomposition of 5-aminotetrazole. <i>Journal of Molecular Modeling</i> , 2008, 14, 403-408.	0.8	22
48	Novel potential high-nitrogen-content energetic compound: Theoretical study of diazido-tetrazole (CN10). <i>Computational and Theoretical Chemistry</i> , 2011, 964, 291-297.	1.1	22
49	Multistep Thermolysis Mechanisms of Azido-triazine Derivatives and Kinetic Compensation Effects for the Rate-Limiting Processes. <i>Journal of Physical Chemistry C</i> , 2015, 119, 14861-14872.	1.5	22
50	New Energetic Complexes as Catalysts for Ammonium Perchlorate Thermal Decomposition. <i>Chinese Journal of Chemistry</i> , 2021, 39, 1193-1198.	2.6	22
51	Hypergolic coordination compounds as modifiers for ionic liquid propulsion. <i>Chemical Engineering Journal</i> , 2021, 423, 130187.	6.6	22
52	Synthesis, structural investigation and thermal properties of a novel manganese complex $Mn_2(DAT)_2Cl_4(H_2O)_4$ (DAT=1,5-diaminotetrazole). <i>Journal of Hazardous Materials</i> , 2010, 178, 1094-1099.	6.5	21
53	High-Energy Metal-Organic Frameworks with a Dicyanamide Linker for Hypergolic Fuels. <i>Inorganic Chemistry</i> , 2021, 60, 5100-5106.	1.9	21
54	Synthesis, characterization, thermal and explosive properties of potassium salts of trinitrophenol. <i>Journal of Hazardous Materials</i> , 2007, 147, 576-580.	6.5	20

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55	Synthesis, structural investigation and thermal analyses of a novel coordination compound [Cd(DAT)6](HTNR)2·3.5H2O (DAT=1,5-diaminotetrazole, H2TNR=styphnic acid). Journal of Molecular Structure, 2008, 889, 177-185.	1.8	20
56	Study on Crystal Structure and Thermal Decomposition Mechanism of a Novel Coordination Compound [Zn(DAT)2(H2O)4](PA)2·2H2O. Propellants, Explosives, Pyrotechnics, 2008, 33, 437-442.	1.0	19
57	Synthesis, crystal structure, thermal decomposition, and explosive properties of [Bi(tza) <sub>3</sub> ] <sub>n</sub> (tza=tetrazole acetic acid). Journal of Coordination Chemistry, 2011, 64, 2583-2591.	0.8	19
58	Thermal decomposition and molecular structure of 5-aminotetrazolium nitrate. Thermochimica Acta, 2004, 423, 137-141.	1.2	18
59	Crystal structure, thermal decomposition mechanism and explosive properties of [Na(H2TNP)(H2O)2] <sub>n</sub> . Journal of Hazardous Materials, 2006, 129, 31-36.	6.5	18
60	Synthesis, crystal structure and thermal decomposition character of [Zn(CHZ)3][C(NO2)3]2·2H2O (CHZ = Carbohydrazide). Structural Chemistry, 2008, 19, 321-328.	1.0	18
61	Two High Nitrogen Content Energetic Compounds: 3,6-Diguanidino-1,2,4,5-Tetrazine and Its Dipchlorate. Journal of Chemical & Engineering Data, 2012, 57, 729-736.	1.0	18
62	Design of New Bridge-Ring Energetic Compounds Obtained by Diels-Alder Reactions of Tetranitroethylene Dienophile. Journal of Physical Chemistry A, 2018, 122, 3320-3327.	1.1	18
63	Solvothermal Synthesis of Size-Controlled Monodispersed Superparamagnetic Iron Oxide Nanoparticles. Applied Sciences (Switzerland), 2019, 9, 5157.	1.3	18
64	Origins of Salt Formation and Cocrystallization: A Combined Experimental and Theoretical Study. Crystal Growth and Design, 2020, 20, 5834-5842.	1.4	18
65	Access to Green Pyrotechnic Compositions via Constructing Coordination Polymers: A New Approach to the Application of 3,4-Dinitropyrazole. ACS Applied Materials & Interfaces, 2022, 14, 32084-32095.	4.0	18
66	The preparation, molecular structure, and theoretical study of carbohydrazide (CHZ). Structural Chemistry, 2006, 17, 249-254.	1.0	17
67	Preparation, Crystal Structure, and Thermal Decomposition of Two Novel Energetic Compounds [Ni(IMI) <sub>6</sub> ](L) <sub>2</sub> (L = ClO <sub>4</sub> <sup>-</sup> and Tj ETQq1 1 0.784314 rgBT /Overlock 10 Tf 50 267 [Ni(IMI) <sub>6</sub> ](CO <sub>3</sub> )·5H <sub>2</sub> O (IMI = Imidazole). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 2252-2258.	0.6	17
68	Preparation of Ultrafine TATB and the Technology for Crystal Morphology Control. Chinese Journal of Chemistry, 2012, 30, 293-298.	2.6	17
69	Synthesis, structure, thermal behavior and energetic properties of a new 2D polymeric Ba(II) compound with tetrazole-1-acetic acid. Main Group Chemistry, 2013, 12, 197-208.	0.4	17
70	Cd(II) complexes with different nuclearity and dimensionality based on 3-hydrazino-4-amino-1,2,4-triazole. Journal of Solid State Chemistry, 2015, 226, 59-65.	1.4	17
71	Controllable explosion: fine-tuning the sensitivity of high-energy complexes. Dalton Transactions, 2015, 44, 12497-12501.	1.6	17
72	Computational design and screening of promising energetic materials: Novel azobis(tetrazoles) with ten catenated nitrogen atoms chain. Journal of Physical Organic Chemistry, 2017, 30, e3674.	0.9	17

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73	Construction of Coplanar Bicyclic Backbones for 1,2,4-Triazole-1,2,4-Oxadiazole-Derived Energetic Materials. Chemistry - A European Journal, 2021, 27, 13807-13818.	1.7	17
74	Density functional theoretical study of transition metal carbohydrazide perchlorate complexes. Chemical Physics Letters, 2010, 487, 200-203.	1.2	16
75	Energetic Compounds Based on 4-Amino-1, 2, 4-Triazole (ATZ) and Picrate (PA): $[Zn(H_{2O})_6](PA)_2 \cdot 3H_2O$ and $[Zn(ATZ)_3](PA)_2 \cdot 2.5H_2O$ . Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 2209-2215.	0.6	16
76	Two coordination polymers with 3-hydrazino-4-amino-1,2,4-triazole as ligand: synthesis, crystal structures, and non-isothermal kinetic analysis. Journal of Coordination Chemistry, 2014, 67, 2004-2015.	0.8	16
77	Energetic Oxygen-Containing Tetrazole Salts Based on 3,4-Diaminotriazole. Chemistry - an Asian Journal, 2015, 10, 1239-1244.	1.7	16
78	Energetic salts based on 3-hydrazino-4-amino-1,2,4-triazole (HATr): synthesis and properties. New Journal of Chemistry, 2016, 40, 5414-5419.	1.4	16
79	Sodium 1,1-dinitramino-5,5-bistetrazolate: A 3D metal-organic framework as green energetic material with good performance and thermo stability. Inorganica Chimica Acta, 2017, 455, 152-157.	1.2	16
80	Constructing a 3D-layered energetic metal-organic framework with the strong stacking interactions of hydrogen-bridged rings: the way to an insensitive high energy complex. CrystEngComm, 2020, 22, 5436-5446.	1.3	16
81	Structure and Stability of Aromatic Nitrogen Heterocycles Used in the Field of Energetic Materials. Molecules, 2020, 25, 3232.	1.7	16
82	Alkali and alkaline earth metal salts of tetrazolone: structurally interesting and excellently thermostable. Dalton Transactions, 2017, 46, 8422-8430.	1.6	16
83	Theoretical studies on the tautomerism and intramolecular hydrogen shifts of 5-Amino-tetrazole in the gas phase. Journal of Molecular Modeling, 2009, 15, 67-77.	0.8	15
84	Synthesis, characterization and properties of nitrogen-rich salts of trinitrophenylglucitol. Journal of Hazardous Materials, 2009, 161, 1473-1477.	6.5	15
85	Combustion of derivatives of 1,5-diaminotetrazole. Combustion, Explosion and Shock Waves, 2011, 47, 36-44.	0.3	15
86	A First-Principles Study: Structure and Decomposition of Mono-/Bimetallic Ammine Borohydrides. Journal of Physical Chemistry C, 2014, 118, 8271-8279.	1.5	15
87	Synthesis, crystal structure and properties of a new 1D polymeric nitrogen-rich energetic complex $\{TAG[Li(BTO)(H_2O)]\}_n$ based on 1H,1,1,5,5-bitetrazole-1,1-diolate. RSC Advances, 2016, 6, 73551-73559.		15
88	Preparation of Laser Energetic Coordination Polymers Based on Urazine by Self-Crystallization. ACS Applied Materials & Interfaces, 2022, 14, 16718-16726.	4.0	15
89	DFT and ab initio direct dynamics study on the reaction of H <sub>2</sub> loss reaction from H <sub>2</sub> BNH <sub>2</sub> . Computational and Theoretical Chemistry, 2005, 717, 33-39.	1.5	14
90	Syntheses, Crystal Structures and Thermal Stability of Co(II) and Zn(II) Complexes with Ethyl Carbazate. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2005, 60, 505-510.	0.3	14



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91	Flash pyrolysis study of zinc carbohydrazide perchlorate using T-jump/FTIR spectroscopy. Combustion and Flame, 2006, 145, 643-646.	2.8	14
92	Crystal Structure and Characterization of a Double-helical-chain Coordination Polymer Zinc Complex Constructed by Flexible Dicarboxylate Ligand 2,4-dinitrobenzene-1,4-di(oxyacetate) and Rigid 2,2'-Bipyridine Ligand. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2008, 634, 754-757.	1.4	14
93	First-principles study of electric field effects on the structure, decomposition mechanism, and stability of crystalline lead styphnate. Journal of Molecular Modeling, 2014, 20, 2072.	0.8	14
94	Electric-Field-Induced Structural and Electronic Changes and Decomposition of Crystalline Lead Azide: A Computational Study. Journal of Physical Chemistry C, 2015, 119, 8431-8437.	1.5	14
95	Synthesis and investigation of alkaline energetic coordination polymers based on 1,2,3-triazole-4,5-dicarboxylic acid for green component of pyrotechnics. CrystEngComm, 2020, 22, 3768-3776.	1.3	14
96	A theoretical study on the structures and heats of hydrogenation of the BN-analogs of barrelene. Chemical Physics Letters, 2005, 407, 315-321.	1.2	13
97	Crystal Structure and Thermal Property of a Binuclear Manganese(II) Sulfate Complex with Carbohydrazide. Structural Chemistry, 2005, 16, 657-663.	1.0	13
98	Fast and Efficient Removal of Cationic Dye Using Graphite Oxide, Adsorption, and Kinetics Studies. Journal of Dispersion Science and Technology, 2013, 34, 1223-1229.	1.3	13
99	Synthesis, Characterization, and Thermal Analysis of Two Energetic Ionic Salts Based on 3,4-diamino-1,2,4-triazole (DATr). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 2354-2358.	0.6	13
100	Graphene nanoplatelets/lead azide composites for the depressed electrostatic hazards. Materials Letters, 2014, 123, 79-82.	1.3	13
101	Nitrogen-rich salts of 1-aminotetrazol-5-one: oxygen-containing insensitive energetic materials with high thermal stability. RSC Advances, 2015, 5, 60005-60014.	1.7	13
102	Boosting intermolecular interactions of fused cyclic explosives: the way to thermostable and insensitive energetic materials with high density. New Journal of Chemistry, 2021, 45, 9358-9367.	1.4	13
103	Energetic metal-organic frameworks achieved from furazan and triazole ligands: synthesis, crystal structure, thermal stability and energetic performance. New Journal of Chemistry, 2021, 45, 22299-22305.	1.4	13
104	Competitive Coordination of Azide Groups: Synthesis of Solvent-Free and Chlorine-Free Primary Explosives Based on 3-Amino-1-nitroguanidine. Crystal Growth and Design, 2021, 21, 7002-7007.	1.4	13
105	Crystal structure and geometry-optimization study of 4-methyl-3,5-dinitro-4-methyl benzylidene aniline. Journal of Molecular Structure, 2006, 794, 255-260.	1.8	12
106	Preparation, Crystal Structure and Thermal Analyses of a Nitrogen-rich Coordination Compound [Co(DAT) <sub>6</sub> ](PA) <sub>2</sub> ·4H <sub>2</sub> O. Chinese Journal of Chemistry, 2008, 26, 2029-2034.	2.6	12
107	Synthesis and Characterization of a Novel Energetic Complex [Cd(DAT) <sub>6</sub> ](NO <sub>3</sub> ) <sub>2</sub> (DAT = 1,5-diamino-4-tetrazole) with High Nitrogen Content. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2010, 636, 1147-1151.	0.6	12
108	Crystal Structure, Thermal Decomposition Behaviors and Sensitivity Properties of a Novel Energetic Compound [Co(DAT) <sub>6</sub> ](ClO <sub>4</sub> ) <sub>2</sub> . Chinese Journal of Chemistry, 2011, 29, 59-64.	2.6	12

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109	Vaporation characteristics of low-melting nitrocompounds by isothermal thermogravimetry. Journal of Thermal Analysis and Calorimetry, 2013, 112, 1523-1532.	2.0	12
110	Nitrogen-rich salts of 5,5'-bistetrazole-1,1'-diolate: Syntheses, structures and properties. Journal of Molecular Structure, 2018, 1156, 544-549.	1.8	12
111	Energetic bimetallic complexes as catalysts affect the thermal decomposition of ammonium perchlorate. Dalton Transactions, 2022, 51, 9894-9904.	1.6	12
112	Structure and Thermal Stability of a Novel 2-D Layered Copper(II) Coordination Polymer with the Bidentate Ligand 1, 2, 4-Triazol-5-one. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2004, 630, 423-426.	0.6	11
113	Decomposition kinetics of manganese tris (carbohydrazide) perchlorate (MnCP) derived from the filament control voltage of the T-jump/FTIR spectroscopy. International Journal of Thermal Sciences, 2006, 45, 814-818.	2.6	11
114	Study on two coordination compounds using semicarbazide (SCZ) as bidentate ligand: $[\text{Ni}(\text{SCZ})_3(\text{NO})_2]$ and $[\text{Cu}(\text{SCZ})_2\text{Cl}]$ . Transition Metal Chemistry, 2007, 32, 413-418.	0.7	11
115	Preparation, Crystal Structure and Thermal Analyses of 1,5-Diamino-4-hydroxy-1,2,3,4-tetrazolium 3,5-dihydroxy-2,4,6-trinitrophenolate. Chinese Journal of Chemistry, 2008, 26, 426-432.	2.6	11
116	Crystal Structure and Thermal Decomposition of 5-Aminotetrazole Trinitrophenolglucinate. Acta Physico-chimica Sinica, 2008, 24, 576-580.	0.6	11
117	Research on thermal decomposition of trinitrophenolglucinate salts by DSC, TG and DVST. Open Chemistry, 2013, 11, 774-781.	1.0	11
118	Particle refinement and graphene doping effects on thermal properties of potassium picrate. Journal of Thermal Analysis and Calorimetry, 2014, 118, 561-569.	2.0	11
119	1-Amino-1,2,3-triazolium salts with oxidizing anions: A new family of energetic materials with good performance. Journal of Molecular Structure, 2018, 1158, 88-95.	1.8	11
120	Theoretical studies of pentazole-based compounds with high detonation performance. Journal of Energetic Materials, 2019, 37, 433-444.	1.0	11
121	Design and properties of a new family of bridged bis(nitraminotetrazoles) as promising energetic materials. New Journal of Chemistry, 2019, 43, 4235-4241.	1.4	11
122	Tetrazole and Azido Derivatives of Pyrimidine: Synthesis, Mechanism, Thermal Behaviour & Steering of Azido-Tetrazole Equilibrium. ChemistrySelect, 2020, 5, 5414-5421.	0.7	11
123	Transition metal (Mn/Co/Ni/Cu) complexes based on 1-ethylimidazole and dicyandiamide: syntheses, characterizations, and catalytic effects on the thermal decomposition of ammonium perchlorate. Journal of Energetic Materials, 2021, 39, 215-227.	1.0	11
124	Amorphous CoS <sub>1.4</sub> ultrathin nanosheets/amorphous N-doped carbon nanobox: A dual-amorphous confined structure for superior potassium storage. Journal of Power Sources, 2021, 506, 230117.	4.0	11
125	Synthesis and characterization of promising insensitive energetic salts based on 3-amino-5-hydrazinopyrazole. Dalton Transactions, 2021, 50, 7456-7463.	1.6	11
126	All-in-one hypergolic metal-organic frameworks with high energy density and short ignition delay. Journal of Materials Chemistry A, 2022, 10, 2795-2799.	5.2	11



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127	Synthesis and molecular structure of potassium 3,5-dinitrophenylglucuronosulfonate monohydrate. Structural Chemistry, 2006, 17, 445-450.	1.0	10
128	The reaction of the aminoboranyliden-aminoborane isomerization: a CASSCF direct dynamics study. Journal of Molecular Modeling, 2006, 12, 190-196.	0.8	10
129	Crystal Structure and Thermal Decomposition Mechanism of $[K(DNP)(H_2O)_{0.5}]$ . Chinese Journal of Chemistry, 2004, 22, 131-135.	2.6	10
130	Synthesis, crystal structure and thermal decomposition of a novel environmentally friendly energetic cesium compound, $[Cs_2(HTNR)(OH)(H_2O)]_n$ . Main Group Chemistry, 2011, 10, 205-213.	0.4	10
131	Preparation, crystal structure, and thermal decomposition of an azide energetic compound $[Cd(IMI)_2(N_3)_2]_n$ (IMI = imidazole). Journal of Coordination Chemistry, 2013, 66, 3014-3024.	0.8	10
132	Preparation, Crystal Structure, and Thermal Decomposition of the Four-coordinated Zinc Compound Based on 1,5-diaminotetrazole. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 1248-1253.	0.6	10
133	Eco-friendly energetic complexes based on transition metal nitrates and 3,4-diamino-1,2,4-triazole (DATr). Journal of Coordination Chemistry, 2014, 67, 3202-3215.	0.8	10
134	Calculations predict a novel desired compound containing eight catenated nitrogen atoms: 1-amino-tetrazolo-[4,5-b]tetrazole. RSC Advances, 2014, 4, 25302-25309.	1.7	10
135	The mechanism of controllable dehydrogenation: CPMD study of $M(BH_4)_x(NH_3)_y$ (M = Li, Mg) decomposition. Physical Chemistry Chemical Physics, 2016, 18, 7015-7018.	1.3	10
136	Computational studies on two novel energetic nitrogen-rich compounds based on tetrazolone. Journal of Physical Organic Chemistry, 2016, 29, 29-34.	0.9	10
137	4,5-Dicyano-1,2,3-Triazole "A Promising Precursor for a New Family of Energetic Compounds and Its Nitrogen-Rich Derivatives: Synthesis and Crystal Structures. Molecules, 2021, 26, 6735.	1.7	10
138	Preparation and Molecular Structure of $\{[Ca(CH_2)_2(H_2O)](NTO)_2 \cdot 3.5H_2O\}_n$ . Propellants, Explosives, Pyrotechnics, 2003, 28, 271-276.	1.0	9
139	Preparation, Structural Characterization and the Molecular Structure of 2,3,5-Trinitro-p-xylene. Structural Chemistry, 2005, 16, 475-483.	1.0	9
140	Crystal Structure, Thermal Decomposition and Properties of Cesium 3,5-Dihydroxy-2,4,6-Trinitrophenolate. Propellants, Explosives, Pyrotechnics, 2006, 31, 285-289.	1.0	9
141	High energy density compounds from cyclophosphazene. II. The preparation, structural characterization, and theoretical studies of 1,1-spiro(ethylenediamino)-3,3,5,5-tetrachlorocyclotriphosphazene and its nitration product. Structural Chemistry, 2008, 19, 297-305.	1.0	9
142	The Environmentally Friendly Energetic Salt (ATZ)(TNPG) Based on 4-amino-1, 2, 4-triazole (ATZ) and Trinitrophenylglucuronol (TNPG). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 2347-2352.	0.6	9
143	Theoretical study on the structure and dehydrogenation mechanism of mixed metal amidoborane, $Na[Li(NH_2BH_3)]_2$ . Journal of Alloys and Compounds, 2013, 581, 59-65.	2.8	9
144	Preparation, crystal structures and thermal decomposition of three energetic manganese compounds and a salt based on imidazole and picrate. Polyhedron, 2013, 55, 73-79.	1.0	9

#	ARTICLE	IF	CITATIONS
145	Stable High-Nitrogen Energetic Trinuclear Compounds based on 4-Amino-3, 5-dimethyl-1, 2, 4-triazole: Synthesis, Structures, Thermal and Explosive Properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 1467-1473.	0.6	9
146	Structural prediction, analysis and decomposition mechanism of solid M(NH <sub>2</sub> BH <sub>3</sub> ) <sub>n</sub> (M = Mg, Ca and) Tj ETQq0 0 0 rgBT /Overlock 10 T	1.7	9
147	A 1D cadmium complex with 3,4-diamino-1,2,4-triazole as ligand: synthesis, molecular structure, characterization, and theoretical studies. Journal of Coordination Chemistry, 2015, 68, 1913-1925.	0.8	9
148	Energetic Characteristics of HMX-Based Explosives Containing LiH. Propellants, Explosives, Pyrotechnics, 2016, 41, 1079-1084.	1.0	9
149	A biography of potassium complexes as versatile, green energetic materials. RSC Advances, 2016, 6, 98381-98405.	1.7	9
150	Computational insight into a new family of functionalized tetrazole- <i>N</i> -oxides as high-energy density materials. New Journal of Chemistry, 2019, 43, 16454-16460.	1.4	9
151	Fast explosive performance prediction via small-dose energetic materials based on time-resolved imaging combined with machine learning. Journal of Materials Chemistry A, 2022, 10, 13114-13123.	5.2	9
152	Molecular Structure and Thermal Analysis of Potassium Hydrogenphthalate Monohydrate. Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2003, 58, 1171-1175.	0.3	8
153	Synthesis, Characterization and Properties of Tri-substitute Potassium Salt of Trinitrophenol. Chinese Journal of Chemistry, 2007, 25, 59-62.	2.6	8
154	Preparation, molecular structure, and thermal analyses of a novel coordination compound [Cd(AZT) <sub>4</sub> (H <sub>2</sub> O) <sub>2</sub> ](PA) <sub>2</sub> ·4H <sub>2</sub> O (AZT=3-azido-1,2,4-triazole, PA=picrate). Structural Chemistry, 2008, 19, 1.0 269-278.	1.0	8
155	Theoretical study for high-energy-density compounds from cyclophosphazene III. A quantum chemistry study: High nitrogen-contented energetic compound of 1,1,3,3,5,5,7,7-octaazido-cyclo-tetraphosphazene: N <sub>4</sub> P <sub>4</sub> (N <sub>3</sub> ) <sub>8</sub> . Inorganica Chimica Acta, 2008, 361, 4143-4147.	1.2	8
156	Synthesis, Thermal Decomposition, and Properties of [Mn(CHZ) <sub>3</sub> ][C(NO <sub>2</sub> ) <sub>3</sub> ] <sub>2</sub> . Propellants, Explosives, Pyrotechnics, 2009, 34, 24-31.	1.0	8
157	Synthesis, Crystal Structure and Thermal Decomposition Character of an Environmentally-Friendly Energetic Coordination Compound of [Co(NH <sub>3</sub> ) <sub>3</sub> ] <sub>4</sub> (NO <sub>3</sub> ) <sub>3</sub> ·0.5H <sub>2</sub> O. Chinese Journal of Chemistry, 2010, 28, 933-937.	2.6	8
158	Crystal structure and thermal decomposition mechanism of a 5-aminotetrazole copper(II) complex. Structural Chemistry, 2012, 23, 153-159.	1.0	8
159	Preparation, Crystal Structure, and Thermal Decomposition of the Energetic Compound [Co(IMI) <sub>4</sub> ](PA)(PA) (IMI = Imidazole and PA = Picrate). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 163-168.	0.6	8
160	Gem-diol and Ketone Crystal-to-crystal Transition Phenomena. Scientific Reports, 2017, 7, 13426.	1.6	8
161	New green energetic materials based on unsymmetrically substituted pyrazole-tetrazines and their hydroperchlorates. New Journal of Chemistry, 2019, 43, 18637-18646.	1.4	8
162	Engaging DBFO as a C1N1 two-atom synthon in [3 + 2] cycloaddition reaction: synthesis of the energetic material 5-azidotetrazolate 1-N-oxide. Organic Chemistry Frontiers, 2021, 8, 2420-2428.	2.3	8

#	ARTICLE	IF	CITATIONS
163	Study on one-dimensional chain coordination polymer [Cd(1,3,5-benzenetricarboxylate)(pyridine) <sub>3</sub> ] <sub>n</sub> : diffusion synthesis, crystal structure, and thermal analyses. Structural Chemistry, 2006, 17, 577-583.	1.0	7
164	Hydrothermal Synthesis and Thermal Analyses of an Infinite Three-dimensional Coordination Polymer Based on Formic Acid: [Zn(HCOO) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ] <sub>n</sub> . Chinese Journal of Chemistry, 2006, 24, 745-749.	2.6	7
165	A new hetero-bimetallic coordination polymer, cesium, and sodium complex of styphnate trihydrate [CsNa(TNR)(H <sub>2</sub> O) <sub>3</sub> ] <sub>n</sub> . Structural Chemistry, 2009, 20, 387-392.	1.0	7
166	Synthesis, Crystal Structures, Thermal Decomposition and Explosive Properties of a Series of Novel Energetic Nitrophenol Salts of Dihydrazino-1,2,3,4-tetrazine. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2012, 638, 1212-1218.	0.6	7
167	Systematic kinetic study of H <sub>2</sub> release from the dimer of lithium amidoborane (LiNH <sub>2</sub> BH <sub>3</sub> ) <sub>2</sub> . Structural Chemistry, 2013, 24, 1527-1536.	1.0	7
168	Structural study and dehydrogenation mechanisms of a novel mixed metal amidoborane: Sodium magnesium amidoborane. Chemical Physics Letters, 2013, 590, 27-34.	1.2	7
169	Preparation, Crystal Structure, and Thermal Decomposition of the Intriguing Five-coordinate Compound [Cu(IMI) <sub>4</sub> Cl]Cl (IMI = Imidazole). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 799-803.	0.6	7
170	Crystal and electronic structures of solid M(NH <sub>2</sub> BH <sub>3</sub> ) <sub>n</sub> (M = Li, Na, K) and the decomposition mechanisms. International Journal of Hydrogen Energy, 2014, 39, 21372-21379.	3.8	7
171	Electronic structures and dehydrogenation properties of bimetallic amidoboranes. International Journal of Hydrogen Energy, 2015, 40, 2500-2508.	3.8	7
172	The mechanism of the chain-growth of ammoniaborane: A classic Lewis pairs catalysed by a Frustrated Lewis Pairs. International Journal of Hydrogen Energy, 2018, 43, 4177-4185.	3.8	7
173	Nitrogen-Rich Salts based on 1,1'-bis(hydroxy)-5,5'-azobistetrazole: a New Family of Energetic Materials with Promising Properties. ChemistrySelect, 2018, 3, 3463-3473.	0.7	7
174	Dimethoxycarbonyl Groups Surrounding a Symmetric Diaminobistetrazole Ring: Exploring New Green Energetic Materials. Chemistry - an Asian Journal, 2019, 14, 3845-3849.	1.7	7
175	Synthesis and characterization of energetic salts based on a new coplanar bicyclic cation-5-amino-3-(5-amino-1,2,4-oxadiazol-3-yl)-1H-1,2,4-triazolium. Journal of Molecular Structure, 2022, 1248, 131438.	1.8	7
176	Synthesis, structure and properties of a high-energy metal-organic framework fuel [Cu(MTZ) <sub>2</sub> (CTB) <sub>2</sub> ] <sub>n</sub> . New Journal of Chemistry, 2022, 46, 1687-1692.	1.4	7
177	Exoergic pathways triggered by O/H radicals in different metallic carbohydrazide perchlorates (M <sup>2+</sup> = Mn <sup>2+</sup> , Fe <sup>2+</sup> , Co <sup>2+</sup> , Ni <sup>2+</sup> .) TJ ETQq1 1 0.78.314 rgBT /Overlo	0.7	7
178	Synthesis and Energetic Properties of Trending Metal-Free Potential Green Primary Explosives: A Review. ChemistrySelect, 2022, 7, .	0.7	7
179	Preparation and Structure Characterization of 4-Amino-1,2,4-triazol-5-one Hydrate. Chemistry of Heterocyclic Compounds, 2003, 39, 461-466.	0.6	6
180	Triplet potential energy surface for BH <sub>2</sub> N: A DFT study. International Journal of Quantum Chemistry, 2005, 103, 422-431.	1.0	6

#	ARTICLE	IF	CITATIONS
181	Synthesis, X-ray Crystal Structure and Thermal Decomposition Mechanism of [RbHTNR]•. Chinese Journal of Chemistry, 2006, 24, 845-848.	2.6	6
182	Synthesis, Crystal Structure, Thermal Decomposition and Sensitivity Properties of [Zn(AZT) <sub>4</sub> (H <sub>2</sub> O) <sub>2</sub> ](PA) <sub>2</sub> •4H <sub>2</sub> O and [Zn(AZT) <sub>2</sub> (H <sub>2</sub> O) <sub>4</sub> ](HTNR) <sub>2</sub> •4H <sub>2</sub> O. Chinese Journal of Chemistry, 2008, 26, 2021-2028.	2.6	6
183	Theoretical Study for High-Energy-Density Compounds Derived from Cyclophosphazene. IV. DFT Studies on 1,1-Diamino-3,3,5,5,7,7-hexaazidocyclotetraphosphazene and Its Isomers. International Journal of Molecular Sciences, 2009, 10, 3502-3516.	1.8	6
184	Energetic transition metal (Co/Cu/Zn) imidazole perchlorate complexes: Synthesis, structural characterization, thermal behavior and non-isothermal kinetic analyses. Polyhedron, 2012, 44, 59-65.	1.0	6
185	Novel theoretical studies of the dehydrogenation of LiBH <sub>2</sub> NH <sub>3</sub> . International Journal of Quantum Chemistry, 2013, 113, 1358-1364.	1.0	6
186	Theoretical study on the tautomerization of 1,5-diaminotetrazole (DAT). Journal of Molecular Modeling, 2014, 20, 2457.	0.8	6
187	High-pressure behavior and Hirshfeld surface analysis of nitrogen-rich materials: triazido-s-triazine (TAT) and triazido-s-heptazine (TAH). Journal of Materials Science, 2018, 53, 15977-15985.	1.7	6
188	Synthesis, Crystal Structure and Thermal Analysis of Two New Energetic Compounds (AIM)NO <sub>3</sub> and (AIM)(HTNR)•H <sub>2</sub> O. Acta Chimica Sinica, 2012, 70, 471.	0.5	6
189	Theoretical study on the structures of boron-nitrogen alternant open chain compounds. Computational and Theoretical Chemistry, 2005, 715, 133-141.	1.5	5
190	Direct synthesis, crystal structure and thermal analyses of 2-nitroterephthalate and carbonylhydrazide bridged staircase-like 3D packing grids of lead(II). Structural Chemistry, 2008, 19, 33-39.	1.0	5
191	Mechanisms and kinetics for preparing carbonylhydrazide by reacting dimethyl carbonate with hydrazine: A theoretical study. International Journal of Quantum Chemistry, 2008, 108, 1555-1564.	1.0	5
192	Structurally different cadmium(II) and lead(II) supramolecular polymers with the same benzene-1,2,3,4-tetracarboxylate dianion as bridging ligands from hydrothermal reactions. Journal of Coordination Chemistry, 2008, 61, 1437-1442.	0.8	5
193	A screened hybrid density functional study on energetic complexes: Alkaline-earth metal carbonylhydrazide perchlorates. Computational and Theoretical Chemistry, 2009, 915, 43-46.	1.5	5
194	Synthesis, Crystal Structure, and Thermal Properties of the Energetic Coordination Compound [Co(DAT) <sub>2</sub> (H <sub>2</sub> O) <sub>4</sub> ](HTNR) <sub>2</sub> •2H <sub>2</sub> O (DAT = 1,5-diaminotetrazole). Journal of Molecular Modeling, 2012, 18, 3915-3926.	0.8	5
195	Theoretical study of the decomposition mechanisms and kinetics of the ingredients RDX in composition B. Journal of Molecular Modeling, 2012, 18, 3915-3926.	0.8	5
196	Morphological control of zinc tricarbohydrazide perchlorate crystals: Theoretical and experimental study. Science Bulletin, 2013, 58, 1892-1896.	1.7	5
197	Preparation, Crystal and Properties of Nitrogen-Rich Energetic Salt of Bis(semicarbazide) 5,5'-Bitetrazole-1,1'-diolate. Crystals, 2016, 6, 21.	1.0	5
198	The nitrogen-rich energetic compound 4-carboxamide-5-(1H-tetrazol-5-yl)-1H-1,2,3-triazole and its 1D sodium complex: synthesis and properties. RSC Advances, 2016, 6, 101430-101436.	1.7	5

#	ARTICLE	IF	CITATIONS
199	High pressure studies of $\text{Ni}_3[(\text{C}_2\text{H}_5\text{N}_5)_6(\text{H}_2\text{O})_6](\text{NO}_3)_5$ by Raman scattering, IR absorption, and synchrotron X-ray diffraction. RSC Advances, 2016, 6, 65031-65037.	1.7	5
200	What's the appropriate precondition for ammine metallic borohydrides to generate pure hydrogen? International Journal of Hydrogen Energy, 2017, 42, 14936-14941.	3.8	5
201	A New Energetic Salt Semicarbazide 5-Dinitromethyltetrazolate: A Promising Explosive Alternative. Propellants, Explosives, Pyrotechnics, 2017, 42, 635-642.	1.0	5
202	Synthesis of 3,5-ditetrazolyl-1,2,4-triazole-based complexes: a strategy for developing C–N-linked triheterocyclic energetic compounds. New Journal of Chemistry, 2019, 43, 4975-4979.	1.4	5
203	Molecular design of a new family of bridged bis(multinitro–triazole) with outstanding oxygen balance as high-density energy compounds. International Journal of Quantum Chemistry, 2020, 120, e26056.	1.0	5
204	CPMD investigation of $\dot{\text{I}}\text{-RDX}$ and $\dot{\text{I}}\text{-CL-20}$ : the transition of deflagration to detonation depending on the self-produced radicals. Physical Chemistry Chemical Physics, 2020, 22, 7421-7429.	1.3	5
205	Synthesis and properties of transition metal coordination energetic materials based on a versatile and multifunctional 1-Aminotetrazol-5-one ligand. Inorganica Chimica Acta, 2021, 525, 120468.	1.2	5
206	Cyanoborohydride (CBH)-based hypergolic coordination compounds for versatile fuels. Chemical Engineering Journal, 2021, 426, 131866.	6.6	5
207	Tunable 1,2,3-triazole- <i>N</i> -oxides towards high energy density materials: theoretical insight into structure–property correlations. New Journal of Chemistry, 2022, 46, 11741-11750.	1.4	5
208	Synthesis and Characterization of Nitro- <i>p</i> -xylenes. Molecules, 2005, 10, 978-989.	1.7	4
209	Thermal Decomposition Mechanisms of a Three-dimensional Framework Coordination Polymer $[\text{Cu}(\text{HCOO})_2(\text{H}_2\text{O})_2]\cdot n\text{H}_2\text{O}$ . Acta Physico-chimica Sinica, 2006, 22, 1206-1211.	0.6	4
210	Synthesis, Crystal Structure of 1-D Double-helical Chain Manganese(II) Coordination Polymer Constructed by 2,2'-bpy and Flexible Dicarboxylate Ligand with Strong Fluorescent Emission. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2007, 633, 2046-2048.	0.6	4
211	Researches on Thermal Decomposition Kinetics of Composite Modified Double-base Propellants. Chinese Journal of Chemistry, 2011, 29, 411-414.	2.6	4
212	Replacement of 2,4,6-trinitrotoluene by two eutectics formed between 4-amino-1,2,4-triazolium nitrate and 4-amino-1,2,4-triazolium perchlorate. RSC Advances, 2016, 6, 44742-44748.	1.7	4
213	A theoretical investigation of the Frustrated Lewis Pairs of C/P and B/N in the metal-free hydrogen-storage compounds. International Journal of Hydrogen Energy, 2016, 41, 18963-18970.	3.8	4
214	Two Energetic Salts based on 5,5'-Bitetrazole-1,1'-diolate: Syntheses, Characterization, and Properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 413-419.	0.6	4
215	Theoretical Study of the Metal-Controlled Dehydrogenation Mechanism of $\text{MN}_2\text{H}_3\text{BH}_3$ (M = Li, Na, K): A New Family of Hydrogen Storage Material. Journal of Physical Chemistry A, 2018, 122, 1344-1349.	1.1	4
216	An Unusual Layered Crystal Packing Gives Rise to a Superior Thermal Stability of Energetic Salt of 3,6-Bis(hydrazino-1,2,4,5-tetrazine). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 512-517.	0.6	4

#	ARTICLE	IF	CITATIONS
217	How hydrogen-storage material affects the decomposition of nitramine explosive: CPMD investigations of LAB-doped CL20. <i>International Journal of Hydrogen Energy</i> , 2018, 43, 19825-19840.	3.8	4
218	DFT studies on new family of high-energy density energetic bis(trinitromethyl) azo tetrazoles and triazoles. <i>Journal of Physical Organic Chemistry</i> , 2019, 32, e3953.	0.9	4
219	Design of functionalized bridged 1,2,4-triazole N-oxides as high energy density materials and their comprehensive correlations. <i>RSC Advances</i> , 2021, 11, 27420-27430.	1.7	4
220	Theoretical study of effects of introducing varying linkages into bis-triazoles on energetic performance. <i>Journal of Molecular Modeling</i> , 2021, 27, 24.	0.8	4
221	Coating of LiBH <sub>4</sub> and Its Effect on the Decomposition for RDX and AP. <i>Central European Journal of Energetic Materials</i> , 2017, 14, 134-151.	0.5	4
222	3,4,5-trinitro-1H-pyrazol-1-amine: A promising explosive alternative with high performance and low sensitivity. <i>Journal of Molecular Structure</i> , 2022, 1250, 131838.	1.8	4
223	Recent advances in the synthesis and energetic properties of potassium-based potential green primary explosives. <i>Defence Technology</i> , 2022, 18, 1945-1959.	2.1	4
224	Kinetics Study on the Exothermic Decomposition Reaction of [Cd(CHZ) <sub>3</sub> ](ClO <sub>4</sub> ) <sub>2</sub> . <i>Chinese Journal of Chemistry</i> , 2005, 23, 1607-1610.	2.6	3
225	Preparation, characterization, and the molecular structure of 2,4,6-trinitro-mesitylene. <i>Structural Chemistry</i> , 2006, 17, 351-357.	1.0	3
226	Synthesis, crystal structure and thermal stability of a novel 3D microporous coordination polymer: Na <sub>2</sub> [Co(1,4-napdc) <sub>2</sub> (DMF) <sub>2</sub> ]. <i>Transition Metal Chemistry</i> , 2006, 31, 874-878.	0.7	3
227	The crystal and computed structures of 1,2,4-triazol-5-one (TO). <i>Journal of Heterocyclic Chemistry</i> , 2006, 43, 503-508.	1.4	3
228	1,3-Bis(2-picolylvinyl)-2,4,6-trinitrobenzene: X-ray Crystallographic Analysis, Thermal Decomposition, and DFT Calculations. <i>Chinese Journal of Chemistry</i> , 2007, 25, 1044-1050.	2.6	3
229	Solubilities and enthalpies of solution of picric acid and picrates at 298.15K in DMF, EtOH and acetic acid. <i>Thermochimica Acta</i> , 2007, 463, 13-14.	1.2	3
230	Ab initio Study of Electronic Structure and Properties of Crystalline of 1,5-Bis(2,3,4-tetrazole)amino-1,2,3,4-tetrazole. <i>Chinese Journal of Chemistry</i> , 2011, 29, 217-222.	2.6	3
231	A comparative theoretical study on energetic substituted 1,2,3- and 1,2,4-triazoles: the azido-cyclization mechanism and the effect of solvent. <i>New Journal of Chemistry</i> , 2015, 39, 3882-3888.	1.4	3
232	Synthesis, structure and characterization of 1-D polymer {[Sr(CHZ) <sub>2</sub> (ClO <sub>4</sub> ) <sub>4</sub> ](ClO <sub>4</sub> ) <sub>n</sub> }: a new concept for designing primary explosives. <i>RSC Advances</i> , 2016, 6, 46828-46833.	1.7	3
233	Synthesis, crystal structures and thermal stabilities of zinc coordination polymers containing the 3-hydrazino-4-amino-1,2,4-triazole ligand. <i>Journal of Coordination Chemistry</i> , 2016, 69, 1559-1567.	0.8	3
234	Syntheses, crystal structures and thermal analyses of two new ionic complexes based on 3,4-diamino-1,2,4-triazole. <i>Journal of Coordination Chemistry</i> , 2016, 69, 1236-1243.	0.8	3



#	ARTICLE	IF	CITATIONS
235	Magnesium Azotetrazole-1,1â€²-dioxide: Synthesis and Promising Properties of Green Insensitive Energetic Materials. <i>Zeitschrift Fur Anorganische Und Allgemeine Chemie</i> , 2017, 643, 432-436.	0.6	3
236	Theoretical study of the structure and dehydrogenation mechanism of sodium hydrazinidoborane. <i>Journal of Theoretical and Computational Chemistry</i> , 2017, 16, 1750020.	1.8	3
237	The effects of Zn <sup>2+</sup> and ClO <sub>4</sub> <sup>-</sup> in the excellent primary explosive Zn(CHZ) <sub>3</sub> (ClO <sub>4</sub> ) <sub>2</sub> . <i>International Journal of Quantum Chemistry</i> , 2020, 120, e26107.	1.0	3
238	Synthesis and Characterization of Four Energetic Transition Metal Complexes of 3,4-Diamino-1,2,4-triazole. <i>Central European Journal of Energetic Materials</i> , 2016, 13, 301-320.	0.5	3
239	Oxygen-containing Tetrazole Salts of 3-Hydrazino-4-amino-1,2,4-triazole (HATr) and Nitrogen-rich Ionic Materials with High Thermal Stability. <i>Central European Journal of Energetic Materials</i> , 2017, 14, 217-232.	0.5	3
240	Pressure-induced phase transition of a series of energetic pentazolate anion salts: a DFT study. <i>New Journal of Chemistry</i> , 2022, 46, 5653-5662.	1.4	3
241	Searching for high performance asymmetrically substituted tetrazine energetic materials based on 3-hydrazino-6-(1H-1,2,3,4-tetrazol-5-ylimino)-s-tetrazine. <i>Arabian Journal of Chemistry</i> , 2022, 15, 103880.	2.3	3
242	Phase transition induced by an external electric field as a buffer to facilitate the initial decomposition of a series of catenated nitrogen energetic systems: a first-principles study. <i>Physical Chemistry Chemical Physics</i> , 2022, 24, 12488-12500.	1.3	3
243	Synthesis and characterization of thermally stable energetic complexes with 3,5-diaminopyrazolone-4-oxime as a nitrogen-rich ligand. <i>CrystEngComm</i> , 0, .	1.3	3
244	Preparation, Structural Characterization and Thermal Decomposition Mechanism of [Cu(TO) <sub>2</sub> (H <sub>2</sub> O) <sub>4</sub> ](PA) <sub>2</sub> . <i>Chinese Journal of Chemistry</i> , 2005, 23, 1403-1406.	2.6	2
245	Theoretical study on mechanism and rate constants for BNâ€”barrelene stepwise hydrogenation reactions. <i>Computational and Theoretical Chemistry</i> , 2006, 765, 85-90.	1.5	2
246	Kinetics of the exothermic decomposition reaction of flash pyrolysis of KNTOâ€”H <sub>2</sub> O. <i>Combustion and Flame</i> , 2006, 144, 419-421.	2.8	2
247	Synthesis, characterization, and the molecular structures of two new kinds of stilbene. <i>Canadian Journal of Chemistry</i> , 2006, 84, 867-873.	0.6	2
248	Direct Synthesis, Crystal Structure and Thermal Kinetics of Supramolecular Complex [Co(H <sub>2</sub> O) <sub>6</sub> ] <sup>2+</sup> ·(Hnip) <sub>2</sub> ·(H <sub>2</sub> nip) <sub>2</sub> ·(DMA) <sub>2</sub> ·(H <sub>2</sub> O) <sub>8</sub> (nip=5-nitroisophthalate, DMA=CH <sub>3</sub> NHCH <sub>3</sub> ). <i>Chinese Journal of Chemistry</i> , 2007, 25, 623-629.	2.6	2
249	Synthesis, Thermal Decomposition and Sensitivity Study of CsDNBF. <i>Propellants, Explosives, Pyrotechnics</i> , 2007, 32, 16-19.	1.0	2
250	<i>Ab initio</i> Study of Electronic Structure and Properties in Crystalline 1,1,3,3,5,5â€”Hexaazidocyclophosphazene. <i>Chinese Journal of Chemistry</i> , 2008, 26, 854-858.	2.6	2
251	A screened hybrid density functional study on energetic complexes: Metal carbohydrazide nitrates. <i>International Journal of Quantum Chemistry</i> , 2011, 111, 2311-2316.	1.0	2
252	Synthesis, crystal structure and thermal analysis of two transition metal coordination compounds based on flexible 2-nitro-benzene-1,4-dioxyacetic acid (NBDOA). <i>Journal of Coordination Chemistry</i> , 2011, 64, 1513-1524.	0.8	2

#	ARTICLE	IF	CITATIONS
253	Theoretical Study of Energetic Complexes (III): Bis(5-nitro-2H-tetrazolato) <sup>2+</sup> N <sup>2+</sup> tetraammine Cobalt(III) Perchlorate (BNCP) and Its Transition Metal (Ni/Fe/Cu/Zn) Perchlorate Analogues. Chinese Journal of Chemistry, 2012, 30, 1624-1630.	2.6	2
254	Comparative theoretical study of the geometric and electronic structures of potassium and silver salts of nitroform. Computational and Theoretical Chemistry, 2013, 1004, 1-4.	1.1	2
255	The Crystal Structure and Synthesis Mechanism of 3,6-Bis(3,5-dimethylpyrazol-1-yl)-1,4-dihydro-1,2,4,5-tetrazine (BDT): A Key Precursor of 5-tetrazine. Journal of Heterocyclic Chemistry, 2014, 51, E234.	1.4	2
256	Preparation, Structural Characterization, and Thermal Analysis of Nitrogen-rich Energetic Ionic Salts based on 4-Amino-3-hydrazino-5-mercapto-1,2,4-triazole. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 2544-2549.	0.6	2
257	Syntheses, crystal structures, thermal behaviors, and sensitivities of new initiator compositions: rubidium salts of trinitrophenol and trinitroresorcinol. Journal of Coordination Chemistry, 2014, 67, 1923-1937.	0.8	2
258	Theoretical kinetic study on the decomposition of 1,5-diaminotetrazole. Journal of Physical Organic Chemistry, 2015, 28, 423-427.	0.9	2
259	1D Structure Sodium Coordination Anion based on [5-(Dinitromethylene)-4,5-dihydro-1H-tetrazole]: Syntheses, Structures, and Thermal Behavior. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 949-952.	0.6	2
260	CPMD Investigations of the Improved Energetic Performance for Lithium Amidoborane doped RDX. ChemistrySelect, 2019, 4, 997-1006.	0.7	2
261	A new oxygen-rich energetic salt dihydrazine tetranitroethide: a promising explosive alternative with high density and good performance. RSC Advances, 2020, 10, 23250-23253.	1.7	2
262	Detonation performance enhancement through a positional isomerism modification strategy. New Journal of Chemistry, 2022, 46, 13874-13879.	1.4	2
263	Determination of Carbohydrazide and Kinetics of Condensation reaction of Carbohydrazide with Malachite Green by Spectrophotometry. Chinese Journal of Chemistry, 2005, 23, 50-53.	2.6	1
264	A theoretical study: Structures and stabilities of alternant BN open-chain compounds of B <sub>3</sub> N <sub>3</sub> H <sub>8</sub> rotamers. Diamond and Related Materials, 2005, 14, 1654-1662.	1.8	1
265	Synthesis and structure analysis of diammonium 3,5-dinitro-1,2,4-cyclopentanetrione. Journal of Chemical Crystallography, 2006, 36, 181-187.	0.5	1
266	Flash Pyrolysis Study of M2TNR (M: Carbohydrazide or Semicarbazide) by T-jump/FTIR Spectroscopy. Chinese Journal of Chemistry, 2006, 24, 761-764.	2.6	1
267			

#	ARTICLE	IF	CITATIONS
271	Preparation, Crystal Structure and Thermal Decomposition Character of [Ni(CHZ) <sub>3</sub> ]SO <sub>4</sub> ·3H <sub>2</sub> O. Acta Physico-chimica Sinica, 2008, 24, 760-766.	0.6	1
272	Thermochemistry and Thermodynamics of Trinitrophenolroglucinol Dissolved in DMF and EtOH at 298.15 K. Propellants, Explosives, Pyrotechnics, 2010, 35, 477-481.	1.0	1
273	Synthesis and Structure Investigation of a Novel 3-Dimensional Potassium Supramolecular Compound Based on 2,4-Dinitro Resorcinol. Chinese Journal of Chemistry, 2011, 29, 913-918.	2.6	1
274	Theoretical study on novel nitrogen-rich energetic compounds of bis(amino)-azobis(azoles) with tetrazene unit. Journal of Molecular Modeling, 2012, 18, 4687-4698.	0.8	1
275	First-principles study of energetic complexes (II): (5-cyanotetrazolato-N <sub>2</sub> ) pentaammine cobalt (III) perchlorate (CP) and Ni, Fe and Zn analogues. Journal of Molecular Modeling, 2012, 18, 2855-2860.	0.8	1
276	Theoretical study about the 5-azido-1H-tetrazole and its ion salts. Journal of Molecular Modeling, 2013, 19, 2383-2389.	0.8	1
277	A novel compound [Mn(H <sub>2</sub> O) <sub>6</sub> ](AMTZ) <sub>2</sub> (PA) <sub>2</sub> (AMTZ = 4-amino-3,5-dimethyl-1,2,4-triazole and PA = ) Tj ETQq1 1 0.784314 rgBT /Overl Chemistry, 2014, 13, 41-52.	0.4	1
278	Theoretical study on the azido-cyclization of 3,6-diazido-1,2,4,5-tetrazine (DAT) with the dimethylsulfoxide (DMSO) solvent. Computational and Theoretical Chemistry, 2015, 1068, 142-148.	1.1	1
279	Preparation, Crystal Structure, and Thermal Analysis of Two Energetic Salts Based on Nitro Phenolic Compounds with Diamino-glyoxine. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 840-846.	0.6	1
280	Nitrogen-Rich Amino-triazolium Salts Based on Binary 4,5-Dicyano-1,2,3-triazolate (C <sub>4</sub> N <sub>5</sub> <sup>-</sup> ) Anion. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 409-413.	0.6	1
281	Two Energetic Ionic Salts of en-PA-H <sub>2</sub> O and en-TNR: Preparation, Structural Characterization, and Properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2016, 642, 449-455.	0.6	1
282	Synthesis of a Novel Double Salt: Ammonium 3,4-Diamino-1,2,4-triazolium Styphnate. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2017, 643, 1178-1181.	0.6	1
283	A Hyperconjugated Structure: The Research into the Picryl Chloride Functionalized 1-Picrylamino-5-tetrazole. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2018, 644, 598-601.	0.6	1
284	Synthesis and characterization of energetic compounds based on N-oxidation of 5-Nitroso-2,4,6-triaminopyrimidine. Journal of Molecular Structure, 2021, 1242, 130732.	1.8	1
285	Design and properties of a new family of wing-like and propeller-like multi-tetrazole molecules as potential high-energy density compounds. Journal of Molecular Modeling, 2021, 27, 308.	0.8	1
286	Thermal Decomposition of Li(NTO)·2H <sub>2</sub> O and Na(NTO)·H <sub>2</sub> O (NTO = Anion of 3-Nitro-1,2,4-triazol-5-one): Kinetics Derived from T-jump/FTIR Spectroscopy. Collection of Czechoslovak Chemical Communications, 2006, 71, 129-137.	1.0	1
287	Assembly, Structure, and Properties of Six Coordination Polymers Based on 1,3,5-Tri-4-pyridyl-1,2-ethenylbenzene. Australian Journal of Chemistry, 2019, 72, 751.	0.5	1
288	New perspective on the laser initiation for metal tetrazine complexes: a theoretical study. Physical Chemistry Chemical Physics, 2021, , .	1.3	1

#	ARTICLE	IF	CITATIONS
289	New synthesis method for urazine and dissolution-crystallization of its Ag( $\mu$ -based laser energetic coordination polymers. CrystEngComm, 2022, 24, 2679-2685.	1.3	1
290	Combination multi-nitrogen with high heat of formation: theoretical studies on the performance of bridged 1,2,4,5-tetrazine derivatives. Journal of Molecular Modeling, 2022, 28, 3.	0.8	1
291	Synthesis, X-ray Crystal Structure and Thermal Decomposition Character of Semicarbazidium 3,5-Dihydroxy-2,4,6-trinitrophenolate Hemihydrate. Chinese Journal of Chemistry, 2005, 23, 963-969.	2.6	0
292	Crystal structure of 2-nitrobenzene-1,4-dioxyacetic acid dihydrate, C <sub>6</sub> H <sub>3</sub> (NO <sub>2</sub> )(OCH <sub>2</sub> COOH) <sub>2</sub> · 2H <sub>2</sub> O. Zeitschrift Fur Kristallographie - New Crystal Structures, 2006, 221, 229-230.	0.1	0
293	Crystal structure of carbohydrazidium(1+) p-toluenesulfonate, (NH <sub>2</sub> NHCONHNH <sub>3</sub> )[CH <sub>3</sub> C <sub>6</sub> H <sub>4</sub> SO <sub>3</sub> ]. Zeitschrift Fur Kristallographie - New Crystal Structures, 2006, 221, 281-282.	0.1	0
294	Rapid Thermolysis Studies of [Pb <sub>2</sub> (TNR) <sub>2</sub> (CHZ) <sub>2</sub> (H <sub>2</sub> O) <sub>2</sub> ] · 4H <sub>2</sub> O and Cd(CHZ) <sub>2</sub> (TNR)(H <sub>2</sub> O). Chinese Journal of Chemistry, 2007, 25, 906-909.	2.6	0
295	Research on Network Content Audit Based on Information Fingerprint. , 2009, , .		0
296	Preparation, crystal structure, thermal decomposition and explosive properties of the novel compound [Mg(H <sub>2</sub> O) <sub>6</sub> ](ATZ) <sub>2</sub> (PA) <sub>2</sub> (ATZ = 4-Amino-1,2,4-triazole and PA = Picrate). Main Group Chemistry, 2013, 12, 185-195.	0.4	0
297	Electronic Structure of Cubane-Like Vanadium "Nitrogen Cationic Clusters [V <sub>4</sub> N <sub>4</sub> ] <sup>+</sup> and [V <sub>6</sub> N <sub>6</sub> ] <sup>+</sup> . Inorganics, 2019, 7, 52.	1.2	0
298	Theoretical studies on new family of bridged difurazan derivatives with excellent heat of formation. Journal of the Chinese Chemical Society, 0, , .	0.8	0
299	Energetic and magnetic directional aggregation properties of KPA@Fe <sub>3</sub> O <sub>4</sub> composite particles prepared via a microcrystalline co-precipitation route. Nanotechnology, 2022, 33, 085701.	1.3	0
300	External Electric Field-Induced Phase Transition of a Series of Energetic Pentazole Crystals: A First-Principles Study. Crystal Growth and Design, 0, , .	1.4	0