

Jin Shao Hua

List of Publications by Year in Descending Order

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The third column is the impact factor (IF) of the journal, and the fourth column is the number of citations of the article.

106
papers

1,054
citations

18
h-index

26
g-index

113
ext. papers

1,442
ext. citations

3.6
avg, IF

4.61
L-index

#	Paper	IF	Citations
106	MXene hybrid polyvinyl alcohol flexible composite films for electromagnetic interference shielding. <i>Applied Surface Science</i> , 2022 , 578, 152007	6.7	3
105	High energy and insensitive explosives based on energetic porous aromatic frameworks. <i>Nano Research</i> , 2022 , 15, 1698	10	1
104	Construction of a physically cross-linked carrageenan/chitosan/calcium ion double-network hydrogel for 3-Nitro-1, 2, 4-triazole-5-one removal. <i>Journal of Hazardous Materials</i> , 2022 , 424, 127510	12.8	3
103	The influence of temperature environmental on performance of HNIW/FOX-7 based PBXs.. <i>Scientific Reports</i> , 2022 , 12, 4988	4.9	
102	Fabrication of hydrophobic AlCoCrFeNi high-entropy alloy and superior corrosion resistance to NTO aqueous solution. <i>Journal of Alloys and Compounds</i> , 2022 , 165394	5.7	0
101	Reactive molecular dynamics simulation of thermal decomposition for nano-FOX-7. <i>Applied Physics A: Materials Science and Processing</i> , 2021 , 127, 1	2.6	0
100	Effects of Crystallinity on the Photocatalytic Polymerization of 3,4-Ethylenedioxythiophene over CsPbBr ₃ Inverse Opals. <i>Catalysts</i> , 2021 , 11, 1331	4	2
99	Preparation of copper ferrite by sol-gel method and the synergistic catalytic for the thermal decomposition of ammonium perchlorate. <i>Journal of Sol-Gel Science and Technology</i> , 2021 , 98, 559-567	2.3	5
98	Thermal safety assessment and thermo-kinetic parameters of 5,5'-dinitramino-3,3'-bi[1,2,4-triazolate] carbohydrazide salt (CBNT). <i>Journal of Thermal Analysis and Calorimetry</i> , 2021 , 144, 647-655	4.1	3
97	The influences of plasticizer B2 mass fraction on the performances of CAB / B2 polymer composite materials: Combining experiments and simulations. <i>Journal of Vinyl and Additive Technology</i> , 2021 , 27, 36-46	2	
96	Polymer-based lightweight materials for electromagnetic interference shielding: a review. <i>Journal of Materials Science</i> , 2021 , 56, 6549-6580	4.3	19
95	Strategies to Get Drugs across Bladder Penetrating Barriers for Improving Bladder Cancer Therapy. <i>Pharmaceutics</i> , 2021 , 13,	6.4	3
94	Transmucosal Delivery of Self-Assembling Photosensitizer-Nitazoxanide Nanocomplexes with Fluorinated Chitosan for Instillation-Based Photodynamic Therapy of Orthotopic Bladder Tumors. <i>ACS Biomaterials Science and Engineering</i> , 2021 , 7, 1485-1495	5.5	3
93	Molecular design of energetic tetrazine-triazole derivatives. <i>Journal of Molecular Modeling</i> , 2021 , 27, 98	2	2
92	Thermal decomposition mechanism study of 3-nitro-1,2,4-triazol-5-one (NTO): Combined TG-FTIR-MS techniques and ReaxFF reactive molecular dynamics simulations. <i>Fuel</i> , 2021 , 295, 120655	7.1	10
91	Shock Initiation Investigation of a Pressed Trinitrotoluene Explosive. <i>Propellants, Explosives, Pyrotechnics</i> , 2021 , 46, 1717	1.7	0
90	Facile mass preparation and characterization of Al/copper ferrites metastable intermolecular energetic nanocomposites.. <i>RSC Advances</i> , 2021 , 11, 7633-7643	3.7	3

89	Design and properties of N,N'-linked bis-1,2,4-triazoles compounds as promising energetic materials. <i>Journal of Molecular Modeling</i> , 2020 , 26, 130	2	1
88	Reactive molecular dynamics simulations on the thermal decompositions and oxidations of TKX-50 and twinned TKX-50. <i>CrystEngComm</i> , 2020 , 22, 2593-2600	3.3	7
87	A Facile Approach to Carbon Dots-Mesoporous Silica Nanohybrids and Their Applications for Multicolor and Two-Photon Imaging Guided Chemo-/Photothermal Synergistic Oncotherapy. <i>ChemNanoMat</i> , 2020 , 6, 953-962	3.5	5
86	Study on Cellulose Acetate Butyrate/Plasticizer Systems by Molecular Dynamics Simulation and Experimental Characterization. <i>Polymers</i> , 2020 , 12,	4.5	2
85	Preparation of chitosan and carboxymethylcellulose-based polyelectrolyte complex hydrogel via SD-A-SGT method and its adsorption of anionic and cationic dye. <i>Journal of Applied Polymer Science</i> , 2020 , 137, 48980	2.9	18
84	Decompression Process of Glycerol Shock Treatment Can Overcome Endo-Lysosomal Barriers for Intracellular Delivery. <i>ACS Omega</i> , 2020 , 5, 33133-33139	3.9	0
83	A molecular dynamics study and detonation parameters calculation of 5,5-dinitramino-3,3-bis[1,2,4-triazolate] carbonylhydrazide salt (CBNT) and its PBXs. <i>Journal of Energetic Materials</i> , 2020 , 38, 283-294	1.6	3
82	Solubilities of 2,6-Diamino-3,5-dinitropyrazine-1-oxide in the Binary Mixtures of DMSO+H ₂ O, DMF+H ₂ O and NMP+H ₂ O in the Temperature Range from 293.15 to 323.15 K under the Atmospheric Pressure. <i>Propellants, Explosives, Pyrotechnics</i> , 2020 , 45, 503-508	1.7	3
81	Thermal decomposition and thermal kinetic simulation of ammonium 3,3'-dinitrimino-5,5'-bis(1H-1,2,4-triazole). <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 146, 911	4.1	0
80	Density Functional Theory (DFT) Study on the Structures and Energetic Properties of Isomers of Tetranitro-bis-1,2,4-triazoles. <i>ACS Omega</i> , 2020 , 5, 19464-19468	3.9	4
79	Thermal decomposition kinetics and thermal hazards simulation of sodium and rubidium 3,3'-dinitrimino-5,5'-bis(1H-1,2,4-triazole). <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 146, 717	4.1	
78	Chemical synthesis of chitosan-mimetic polymers via ring-opening metathesis polymerization and their applications in Cu ²⁺ adsorption and catalytic decomposition. <i>Polymer Chemistry</i> , 2020 , 11, 6688-6700	4.0	
77	Preparation and thermal properties study of HNIW/FOX-7 based high energy polymer bonded explosive (PBX) with low vulnerability to thermal stimulations. <i>Journal of Energetic Materials</i> , 2020 , 38, 83-97	1.6	6
76	Preparation and performances characterization of HNIW/NTO-based high-energetic low vulnerable polymer-bonded explosive. <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 3589-3602	4.1	10
75	Thermal behavior, compatibility study and safety assessment of diammonium 5,5'-bistetrazole-1,1'-diolate (ABTOX). <i>Journal of Thermal Analysis and Calorimetry</i> , 2020 , 139, 1771-1777	4.1	8
74	Theoretical study on the weak interaction and energy performance of nitroformate salts and nitroformate-based propellant formulations. <i>Journal of Molecular Modeling</i> , 2019 , 25, 285	2	2
73	Effects of carboxymethylcellulose sodium on the morphology and properties of TKX-50, an insensitive high-energy explosive. <i>Journal of Energetic Materials</i> , 2019 , 37, 199-211	1.6	7
72	Preparation of chitosan-Cu/NH physical hydrogel and its properties. <i>International Journal of Biological Macromolecules</i> , 2019 , 133, 67-75	7.9	14

71	Molecular dynamics simulation on the morphology of 1,1-diamino-2,2-dinitroethylene (FOX-7) affected by dimethyl sulfoxide (DMSO) and temperature. <i>Canadian Journal of Chemistry</i> , 2019 , 97, 538-545	0.9	2
70	Effect of Sodium Alginate on the Morphology and Properties of High Energy Insensitive Explosive TKX-50. <i>Propellants, Explosives, Pyrotechnics</i> , 2019 , 44, 413-422	1.7	6
69	Pressure characteristics and safety performance of TKX-50 decomposition in confined space. <i>Journal of Energetic Materials</i> , 2019 , 37, 1-11	1.6	7
68	Measurement and Correlation of Solubilities of 5,5?-Dinitramino-3,3?-bi[1,2,4-triazolate] Carbohydrazide Salt (CBNT) in Various Pure Solvents and a Binary Mixture (Dimethyl Sulfoxide + Water) from 298.15 to 343.15 K. <i>Journal of Chemical & Engineering Data</i> , 2019 , 64, 3874-3881	2.8	3
67	Investigation into the Temperature Adaptability of HNIW-based PBXs. <i>Propellants, Explosives, Pyrotechnics</i> , 2019 , 44, 327-336	1.7	4
66	Molecular dynamics investigation on the morphology of HNIW affected by the growth condition. <i>Journal of Energetic Materials</i> , 2019 , 37, 44-56	1.6	1
65	Theoretical study of the heats of formation, detonation properties, and bond dissociation energies of substituted bis-1,2,4-triazole compounds. <i>Journal of Molecular Modeling</i> , 2018 , 24, 85	2	6
64	Size-dependent Effect on Thermal Decomposition and Hazard Assessment of TKX-50 under Adiabatic Condition. <i>Propellants, Explosives, Pyrotechnics</i> , 2018 , 43, 488-495	1.7	9
63	Thermal stability assessment of 4,4?-azo-bis(1,2,4-triazolone) (ZTO) and its salts by accelerating rate calorimeter (ARC). <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 132, 563-569	4.1	6
62	Thermal decomposition and safety assessment of 3,3?-dinitrimino-5,5?-bis(1H-1,2,4-triazole) by DTA and ARC. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 132, 805-811	4.1	8
61	Thermal decomposition and thermal stability of potassium 3,3?-dinitrimino-5,5?-bis(1H-1,2,4-triazole). <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 133, 1563-1569	4.1	5
60	Preparation of the chitosan/poly(glutamic acid)/alginate polyelectrolyte complexing hydrogel and study on its drug releasing property. <i>Carbohydrate Polymers</i> , 2018 , 191, 8-16	10.3	55
59	Thermal decomposition behavior and thermal stability of DABT Δ DMSO. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 131, 3185-3191	4.1	12
58	Thermal hazard assessment of TNT and DNAN under adiabatic condition by using accelerating rate calorimeter (ARC). <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 131, 89-93	4.1	14
57	Investigation of the effect of the CAB/A3 system on HNIW-based PBXs using molecular dynamics. <i>Journal of Molecular Modeling</i> , 2018 , 24, 186	2	0
56	Molecular dynamics simulations on miscibility, glass transition temperature and mechanical properties of PMMA/DBP binary system. <i>Journal of Molecular Graphics and Modelling</i> , 2018 , 84, 182-188	2.8	13
55	Miscibility, Glass Transition Temperature and Mechanical Properties of NC/DBP Binary Systems by Molecular Dynamics. <i>Propellants, Explosives, Pyrotechnics</i> , 2018 , 43, 559-567	1.7	3
54	The study of external growth environments on the crystal morphology of β -HNIW by molecular dynamics simulation. <i>Journal of Materials Science</i> , 2018 , 53, 12921-12936	4.3	11

53	Preparation, nonisothermal decomposition kinetics, heat capacity, and safety parameters of TKX-50-based PBX. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 131, 3193-3199	4.1	13
52	A novel cocrystal composed of CL-20 and an energetic ionic salt. <i>Chemical Communications</i> , 2018 , 54, 13268-13270	5.8	33
51	Preparation of the Sodium Alginate-g-(Polyacrylic Acid-co-Allyltrimethylammonium Chloride) Polyampholytic Superabsorbent Polymer and Its Dye Adsorption Property. <i>Marine Drugs</i> , 2018 , 16,	6	6
50	Morphology control of 3-nitro-1,2,4-triazole-5-one (NTO) by molecular dynamics simulation. <i>CrystEngComm</i> , 2018 , 20, 6252-6260	3.3	20
49	The primary decomposition product of TKX-50 under adiabatic condition and its thermal decomposition. <i>Journal of Thermal Analysis and Calorimetry</i> , 2018 , 134, 2049-2055	4.1	10
48	Molecular dynamic simulations for FOX-7 and FOX-7 based PBXs. <i>Journal of Molecular Modeling</i> , 2018 , 24, 145	2	4
47	A single molecular fluorescent probe for selective and sensitive detection of nitroaromatic explosives: A new strategy for the mask-free discrimination of TNT and TNP within same sample. <i>Talanta</i> , 2017 , 166, 228-233	6.2	38
46	Dissolution properties of 5,5?-bistetrazole-1, 1?-dihydroxy and disodium 5,5?-bistetrazole-1, 1?-diolate in dimethyl sulfoxide. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 128, 615-620	4.1	2
45	Molecular dynamic simulations on TKX-50/HMX cocrystal. <i>RSC Advances</i> , 2017 , 7, 6795-6799	3.7	18
44	Study on a novel high energetic and insensitive munitions formulation: TKX-50 based melt cast high explosive. <i>RSC Advances</i> , 2017 , 7, 31485-31492	3.7	9
43	Preparation, crystal structure, thermal behavior and DFT calculations of two acetyl triazolone derivatives. <i>Journal of Molecular Structure</i> , 2017 , 1146, 32-38	3.4	2
42	Preparation, characterization and thermal risk evaluation of dihydroxylammonium 5, 5'-bistetrazole-1, 1'-diolate based polymer bonded explosive. <i>Journal of Hazardous Materials</i> , 2017 , 338, 208-217	12.8	36
41	Preparation, Characterization, Thermal Evaluation and Sensitivities of TKX-50/GO Composite. <i>Propellants, Explosives, Pyrotechnics</i> , 2017 , 42, 1104-1110	1.7	18
40	Molecular dynamic simulations on TKX-50/RDX cocrystal. <i>Journal of Molecular Graphics and Modelling</i> , 2017 , 74, 171-176	2.8	18
39	The novel compound dimethylamine-5,5?-bistetrazole-1,1?-diolate: crystal structure, thermal investigation, safety evaluation and theoretical studies. <i>RSC Advances</i> , 2017 , 7, 18523-18528	3.7	9
38	Thermal behavior and thermo-kinetic studies of 5,5?-bistetrazole-1,1?-diolate (1,1-BTO). <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 129, 1265-1270	4.1	10
37	Dissolution thermodynamics of dihydroxylammonium 5,5?-bistetrazole-1,1?-diolate in water at T = (298.15, 303.15, 308.15 and 313.15 K). <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 128, 1875-1880	4.1	4
36	Preparation and characterization of chitosan physical hydrogels with enhanced mechanical and antibacterial properties. <i>Carbohydrate Polymers</i> , 2017 , 157, 1383-1392	10.3	59

35	Heat effects of NTO synthesis in nitric acid solution. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017 , 128, 301-310	4.1	3
34	Construction and Characterization of a Chitosan-Immobilized-Enzyme and β -Cyclodextrin-Included-Ferrocene-Based Electrochemical Biosensor for H ₂ O ₂ Detection. <i>Materials</i> , 2017 , 10,	3.5	20
33	Preparation and Characterization of Cyclotrimethylenetrinitramine (RDX) with Reduced Sensitivity. <i>Materials</i> , 2017 , 10,	3.5	12
32	Bioresponsive Materials for Drug Delivery Based on Carboxymethyl Chitosan/Poly(β -Glutamic Acid) Composite Microparticles. <i>Marine Drugs</i> , 2017 , 15,	6	25
31	Construction of a Fluorescent H ₂ O ₂ Biosensor with Chitosan 6-OH Immobilized β -Cyclodextrin Derivatives. <i>Marine Drugs</i> , 2017 , 15,	6	4
30	A simple ratiometric and colorimetric chemosensor for the selective detection of fluoride in DMSO buffered solution. <i>Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy</i> , 2016 , 153, 194-198	4.4	15
29	Triphenylamine based lab-on-a-molecule for the highly selective and sensitive detection of Zn ²⁺ and CN ⁻ in aqueous solution. <i>RSC Advances</i> , 2016 , 6, 93826-93831	3.7	15
28	Thermal stability assessment of 3,4-bis(3-nitrofurazan-4-yl)furoxan (DN ² F) by accelerating rate calorimeter (ARC). <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 126, 1185-1190	4.1	11
27	Crystal structure of hexaaquamagnesium(II) 5,5'-bitetrazole-1,1'-diolate, C ₂ H ₁₂ N ₈ O ₈ Mg. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2016 , 231, 305-306	0.2	
26	Crystal structure of tetraqua((E)-4,4'-(diazene-1,2-diyl)bis(5-oxo-4,5-dihydro-1,2,4-triazol-1-ide)- β -N:O)barium(II), C ₄ H ₁₀ N ₈ O ₆ Ba. <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2016 , 231, 503-504	0.2	
25	Crystal structure of (E)-4,4'-(diazene-1,2-diyl)bis(1-nitro-1H-1,2,4-triazol-5(4H)-one)- β -acetonitrile (1:1), C ₆ H ₅ N ₁₁ O ₆ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2016 , 231, 677-678	0.2	
24	Thermal hazard assessment of 4,10-dinitro-2,6,8,12-tetraoxa-4,10-diazaisowurtzitan (TEX) by accelerating rate calorimeter (ARC). <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 126, 467-471	4.1	19
23	Thermolysis, nonisothermal decomposition kinetics, calculated detonation velocity and safety assessment of dihydroxylammonium 5,5'-bistetrazole-1,1'-diolate. <i>Journal of Thermal Analysis and Calorimetry</i> , 2016 , 126, 473-480	4.1	28
22	The crystal structure and thermal analysis of ZTO and its solvent adducts. <i>Research on Chemical Intermediates</i> , 2016 , 42, 4333-4340	2.8	2
21	Dissolution Properties of Dihydroxylammonium 5,5'-Bistetrazole-1,1'-diolate and Disodium 5,5'-Bistetrazole-1,1'-diolate in Water. <i>Journal of Energetic Materials</i> , 2016 , 34, 416-425	1.6	10
20	A new multifunctional Schiff-based chemosensor for mask-free fluorimetric and colorimetric sensing of F ⁻ and CN ⁻ . <i>Talanta</i> , 2016 , 152, 39-44	6.2	31
19	Preparation, crystal structure, thermal behavior, and theoretical studies of N,N'-dinitro-4,4'-azo-bis(1,2,4-triazolone) (DNZTO). <i>Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences</i> , 2016 , 71, 197-204	1	3
18	Nitrogen-rich 4,4'-azo bis(1,2,4-triazolone) salts--the synthesis and promising properties of a new family of high-density insensitive materials. <i>Dalton Transactions</i> , 2016 , 45, 3590-8	4.3	24

17	Molecular dynamics simulations on dihydroxylammonium 5,5?-bistetrazole-1,1?-diolate/hexanitrohexaazaisowurtzitane cocrystal. <i>RSC Advances</i> , 2016 , 6, 4221-4226	3.7	15
16	Evaluation of thermal hazards and thermo-kinetic parameters of N,N?-dinitro-4,4?-azo-Bis(1,2,4-triazolone) (DNZTO). <i>Thermochimica Acta</i> , 2016 , 623, 58-64	2.9	22
15	Preparation of Nanofibers with Renewable Polymers and Their Application in Wound Dressing. <i>International Journal of Polymer Science</i> , 2016 , 2016, 1-17	2.4	39
14	Empirical Kinetics Equation of the Synthesis of NTO in Nitric Acid. <i>Propellants, Explosives, Pyrotechnics</i> , 2016 , 41, 1085-1091	1.7	3
13	Solubilities of Dihydroxylammonium 5,5?-Bistetrazole-1,1?-diolate in Various Pure Solvents at Temperatures between 293.15 and 323.15 K. <i>Journal of Chemical & Engineering Data</i> , 2016 , 61, 1873-1875	2.8	12
12	Crystal structure of 2,4,6,8,10,12-hexanitro-2,4,6,8,10,12-hexaazatetracyclo[5.5.0.0.0]dodecane 1/3 hydrate, C ₆ H ₈ N ₁₂ O ₁₃ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2016 , 231, 491-492	0.2	2
11	Unveiling the dependence of glass transitions on mixing thermodynamics in miscible systems. <i>Scientific Reports</i> , 2015 , 5, 8500	4.9	9
10	Squaramide-based lab-on-a-molecule for the detection of silver ion and nitroaromatic explosives. <i>RSC Advances</i> , 2015 , 5, 96665-96669	3.7	15
9	Crystal structure of poly[diaqua- μ 2-(E)-5-oxo-4-((5-oxo-1,5-dihydro-4H-1,2,4-triazol-4-yl)diazanyl)-4,5-dihydro-1,2,4-triazol-1-ide- β O:O:N] sodium], C ₄ H ₇ N ₈ NaO ₄ . <i>Zeitschrift Fur Kristallographie - New Crystal Structures</i> , 2015 , 230, 225-226	0.2	2
8	Preparation, Crystal Structure and Properties of a New Crystal Form of Diammonium 5,5?-bistetrazole-1,1?-diolate. <i>Chinese Journal of Chemistry</i> , 2015 , 33, 1229-1234	4.9	10
7	Synthesis and Characterization of 1,5-Dinitro-2,6-bis(trinitromethyl)-3a,4a,7a,8a-tetrahydro-[1,4]dioxino[2,3-d:5,6-d']diimidazole (DNTNDI). <i>Propellants, Explosives, Pyrotechnics</i> , 2013 , 38, 658-664	1.7	3
6	Effects of Additives on β -HNIW Crystal Morphology and Impact Sensitivity. <i>Propellants, Explosives, Pyrotechnics</i> , 2012 , 37, 77-82	1.7	44
5	10-Formyl-2,4,6,8,12-penta-nitro-2,4,6,8,10,12-hexa-azatetra-cyclo-[5.5.0.0.0]dodeca-ne. <i>Acta Crystallographica Section E: Structure Reports Online</i> , 2009 , 65, o3112		3
4	Quantitative Determination of β -phase in polymorphic HNIW using X-ray Diffraction Patterns. <i>Propellants, Explosives, Pyrotechnics</i> , 2008 , 33, 467-471	1.7	17
3	Preparation of β -HNIW by a One-Pot Method in Concentrated Nitric Acid from Tetraacetyldiformylhexaazaisowurtzitane. <i>Propellants, Explosives, Pyrotechnics</i> , 2007 , 32, 468-471	1.7	13
2	A novel ternary energetic compound: DAF/DNP/H ₂ O cocrystal. <i>Journal of Energetic Materials</i> , 1-13	1.6	0
1	An interesting 3D energetic metal - framework based Ag(I) ions and 3,4-diaminofurazan. <i>Journal of Energetic Materials</i> , 1-13	1.6	0