Lijie Li

List of Publications by Citations

63 papers	567 citations	15 h-index	20 g-index
69 ext. papers	800 ext. citations	3.5 avg, IF	4.11 L-index

#	Paper	IF	Citations
63	Effects of Additives on ε-HNIW Crystal Morphology and Impact Sensitivity. *Propellants, Explosives, Pyrotechnics*, **2012**, 37, 77-82	1.7	44
62	Preparation, characterization and thermal risk evaluation of dihydroxylammonium 5, 5′-bistetrazole-1, 1′-diolate based polymer bonded explosive. *Journal of Hazardous Materials*, **2017**, 338, 208-217	12.8	36
61	Thermolysis, nonisothermal decomposition kinetics, calculated detonation velocity and safety assessment of dihydroxylammonium 5, 5?-bistetrazole-1, 1?-diolate. *Journal of Thermal Analysis and Calorimetry*, **2016**, 126, 473-480	4.1	28
60	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. *Dalton Transactions*, **2016**, 45, 3590-8	4.3	24
59	Polytetrafluoroethylene-assisted N/F co-doped hierarchically porous carbon as a high performance electrode for supercapacitors. *Journal of Colloid and Interface Science*, **2019**, 545, 25-34	9.3	22
58	Surface Modification for Improving the Photocatalytic Polymerization of 3,4-Ethylenedioxythiophene over Inorganic Lead Halide Perovskite Quantum Dots. *ACS Applied Materials & Interfaces*, **2020**, 12, 451-460	9.5	21
57	Morphology control of 3-nitro-1,2,4-triazole-5-one (NTO) by molecular dynamics simulation. *CrystEngComm*, **2018**, 20, 6252-6260	3.3	20
56	Prediction of crystal morphology of 3,4-Dinitro-1H-pyrazole (DNP) in different solvents. *Journal of Molecular Graphics and Modelling*, **2017**, 75, 62-70	2.8	19
55	Thermal hazard assessment of 4,10-dinitro-2,6,8,12-tetraoxa-4,10-diazaisowutrzitane (TEX) by accelerating rate calorimeter (ARC). *Journal of Thermal Analysis and Calorimetry*, **2016**, 126, 467-471	4.1	19
54	Polymer-based lightweight materials for electromagnetic interference shielding: a review. *Journal of Materials Science*, **2021**, 56, 6549-6580	4.3	19
53	Molecular dynamic simulations on TKX-50/HMX cocrystal. *RSC Advances*, **2017**, 7, 6795-6799	3.7	18
52	Quantitative Determination of β-phase in polymorphic HNIW using X-ray Diffraction Patterns. *Propellants, Explosives, Pyrotechnics*, **2008**, 33, 467-471	1.7	17
51	A simple ratiometric and colorimetric chemosensor for the selective detection of fluoride in DMSO buffered solution. *Spectrochimica Acta - Part A: Molecular and Biomolecular Spectroscopy*, **2016**, 153, 194-8	4.4	15
50	Squaramide-based lab-on-a-molecule for the detection of silver ion and nitroaromatic explosives. *RSC Advances*, **2015**, 5, 96665-96669	3.7	15
49	The effect of solution conditions on the crystal morphology of β-HMX by molecular dynamics simulations. *Journal of Crystal Growth*, **2019**, 507, 38-45	1.6	15
48	Molecular dynamics simulations on miscibility, glass transition temperature and mechanical properties of PMMA/DBP binary system. *Journal of Molecular Graphics and Modelling*, **2018**, 84, 182-188	2.8	13
47	Preparation, nonisothermal decomposition kinetics, heat capacity, and safety parameters of TKX-50-based PBX. *Journal of Thermal Analysis and Calorimetry*, **2018**, 131, 3193-3199	4.1	13

46	The crossover behavior of bromine species in the metal-free flow battery. *Journal of Applied Electrochemistry*, **2017**, 47, 261-272	2.6	12
45	Preparation and Characterization of Cyclotrimethylenetrinitramine (RDX) with Reduced Sensitivity. *Materials*, **2017**, 10,	3.5	12
44	The study of external growth environments on the crystal morphology of ε-HNIW by molecular dynamics simulation. *Journal of Materials Science*, **2018**, 53, 12921-12936	4.3	11
43	First-principles calculation of quantum capacitance of metals doped graphenes and nitrogen/metals co-doped graphenes: designing strategies for supercapacitor electrodes. *Journal of Materials Science*, **2019**, 54, 483-492	4.3	11
42	Thermal behavior and thermo-kinetic studies of 5,5?-bistetrazole-1,1?-diolate (1,1-BTO). *Journal of Thermal Analysis and Calorimetry*, **2017**, 129, 1265-1270	4.1	10
41	Dissolution Properties of Dihydroxylammonium 5,5?-Bistetrazole-1,1?-diolate and Disodium 5,5?-Bistetrazole-1,1?-diolate in Water. *Journal of Energetic Materials*, **2016**, 34, 416-425	1.6	10
40	Preparation, Crystal Structure and Properties of a New Crystal Form of Diammonium 5,5?-bistetrazole-1,1?-diolate. *Chinese Journal of Chemistry*, **2015**, 33, 1229-1234	4.9	10
39	Preparation and performances characterization of HNIW/NTO-based high-energetic low vulnerable polymer-bonded explosive. *Journal of Thermal Analysis and Calorimetry*, **2020**, 139, 3589-3602	4.1	10
38	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. *Fuel*, **2021**, 295, 120655	7.1	10
37	Study on a novel high energetic and insensitive munitions formulation: TKX-50 based melt cast high explosive. *RSC Advances*, **2017**, 7, 31485-31492	3.7	9
36	The novel compound dimethylamine-5,5?-bistetrazole-1,1?-diolate: crystal structure, thermal investigation, safety evaluation and theoretical studies. *RSC Advances*, **2017**, 7, 18523-18528	3.7	9
35	Effects of the N/S codoping configuration and ternary doping on the quantum capacitance of graphene. *Journal of Materials Science*, **2019**, 54, 8995-9003	4.3	8
34	Reactive molecular dynamics simulations on the thermal decompositions and oxidations of TKX-50 and twinned TKX-50. *CrystEngComm*, **2020**, 22, 2593-2600	3.3	7
33	Theoretical study of the heats of formation, detonation properties, and bond dissociation energies of substituted bis-1,2,4-triazole compounds. *Journal of Molecular Modeling*, **2018**, 24, 85	2	6
32	Preparation and thermal properties study of HNIW/FOX-7 based high energy polymer bonded explosive (PBX) with low vulnerability to thermal stimulations. *Journal of Energetic Materials*, **2020**, 38, 83-97	1.6	6
31	Thermal decomposition and thermal stability of potassium 3,3?-dinitrimino-5,5?-bis(1H-1,2,4-triazole). *Journal of Thermal Analysis and Calorimetry*, **2018**, 133, 1563-1569	4.1	5
30	The Critical Role of Oxygen-Containing Functional Groups in the Etching Behavior of Activators to Carbon Materials. *ACS Sustainable Chemistry and Engineering*, **2021**, 9, 1646-1655	8.3	5
29	Dissolution thermodynamics of dihydroxylammonium 5,5?-bistetrazole-1,1?-diolate in water at T = (298.15, 303.15, 308.15 and 313.15 K). *Journal of Thermal Analysis and Calorimetry*, **2017**, 128, 1875-1880	4.1	4

28	Density Functional Theory (DFT) Study on the Structures and Energetic Properties of Isomers of Tetranitro-bis-1,2,4-triazoles. *ACS Omega*, **2020**, 5, 19464-19468	3.9	4
27	Investigation into the Temperature Adaptability of HNIW-based PBXs. *Propellants, Explosives, Pyrotechnics*, **2019**, 44, 327-336	1.7	4
26	Molecular dynamic simulations for FOX-7 and FOX-7 based PBXs. *Journal of Molecular Modeling*, **2018**, 24, 145	2	4
25	Preparation, crystal structure, thermal behavior, and theoretical studies of N,N?-dinitro-4, 4?-azo-bis(1,2,4-triazolone) (DNZTO). *Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences*, **2016**, 71, 197-204	1	3
24	Miscibility, Glass Transition Temperature and Mechanical Properties of NC/DBP Binary Systems by Molecular Dynamics. *Propellants, Explosives, Pyrotechnics*, **2018**, 43, 559-567	1.7	3
23	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. *Journal of Chemical & Engineering Data*, **2019**, 64, 3874-3881	2.8	3
22	Heat effects of NTO synthesis in nitric acid solution. *Journal of Thermal Analysis and Calorimetry*, **2017**, 128, 301-310	4.1	3
21	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). *Propellants, Explosives, Pyrotechnics*, **2013**, 38, 658-664	1.7	3
20	A molecular dynamics study and detonation parameters calculation of 5,5□dinitramino-3,3□bi[1,2,4-triazolate] carbohydrazide salt (CBNT) and its PBXs. *Journal of Energetic Materials*, **2020**, 38, 283-294	1.6	3
19	Solubilities of 2,6-Diamino-3,5-dinitropyrazine-1-oxide in the Binary Mixtures of DMSO+H2O, DMF+H2O and NMP+H2O in the Temperature Range from 293.15 to 323.15 K under the Atmospheric Pressure. *Propellants, Explosives, Pyrotechnics*, **2020**, 45, 503-508	1.7	3
18	Empirical Kinetics Equation of the Synthesis of NTO in Nitric Acid. *Propellants, Explosives, Pyrotechnics*, **2016**, 41, 1085-1091	1.7	3
17	Thermal safety assessment and thermo-kinetic parameters of 5,5?-dinitramino-3,3?-bi[1,2,4-triazolate] carbohydrazide salt (CBNT). *Journal of Thermal Analysis and Calorimetry*, **2021**, 144, 647-655	4.1	3
16	Dissolution properties of 5,5?-bistetrazole-1, 1?-dihydroxy and disodium 5,5?-bistetrazole-1, 1?-diolate in dimethyl sulfoxide. *Journal of Thermal Analysis and Calorimetry*, **2017**, 128, 615-620	4.1	2
15	Theoretical study on the weak interaction and energy performance of nitroformate salts and nitroformate-based propellant formulations. *Journal of Molecular Modeling*, **2019**, 25, 285	2	2
14	Study on Cellulose Acetate Butyrate/Plasticizer Systems by Molecular Dynamics Simulation and Experimental Characterization. *Polymers*, **2020**, 12,	4.5	2
13	The crystal structure and thermal analysis of ZTO and its solvent adducts. *Research on Chemical Intermediates*, **2016**, 42, 4333-4340	2.8	2
12	Ameliorating the performances of 3,4-bis(4?-nitrofurazano-3?-yl)furoxan (DNTF) by establishing tannic acid (TA) interface layer on DNTF surface. *Chemical Engineering Journal*, **2022**, 434, 134513	14.7	2
11	Crystal structure of 2,4,6,8,10,12-hexanitro-2,4,6,8,10,12-hexaazatetracyclo[5□5□0□05□9□03□11]dodecane 1/3 hydrate, C6H8N12O13. *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2016**, 231, 491-492	0.2	2

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10	Design and properties of N,N'-linked bis-1,2,4-triazoles compounds as promising energetic materials. *Journal of Molecular Modeling*, **2020**, 26, 130	2	1
9	Molecular dynamics investigation on the morphology of HNIW affected by the growth condition. *Journal of Energetic Materials*, **2019**, 37, 44-56	1.6	1
8	Bridged Ti3C2TX MXene Film with Superior Oxidation Resistance and Structural Stability for High-Performance Flexible Supercapacitors. *ACS Applied Energy Materials*, **2022**, 5, 2898-2908	6.1	1
7	Investigation of the effect of the CAB/A3 system on HNIW-based PBXs using molecular dynamics. *Journal of Molecular Modeling*, **2018**, 24, 186	2	0
6	A novel ternary energetic compound: DAF/DNP/H2O cocrystal. *Journal of Energetic Materials*,1-13	1.6	0
5	Reactive molecular dynamics simulation of thermal decomposition for nano-FOX-7. *Applied Physics A: Materials Science and Processing*, **2021**, 127, 1	2.6	0
4	Shock Initiation Investigation of a Pressed Trinitrotoluene Explosive. *Propellants, Explosives, Pyrotechnics*, **2021**, 46, 1717	1.7	0
3	Crystal structure of hexaaquamagnesium(II) 5,5?-bitetrazole-1,1?-diolate, C2H12N8O8Mg. *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2016**, 231, 305-306	0.2	
2	Crystal structure of tetraqua((E)-4,4?-(diazene-1,2-diyl)bis(5-oxo-4,5-dihydro-1,2,4-triazol-1-ide)-2N:O)barium(II), C4H10N8O6Ba. *Zeitschrift Fur Kristallographie - New Crystal Structures*, **2016**, 231, 503-504	0.2	
1	The influence of temperature environmental on performance of HNIW/FOX-7 based PBXs.. *Scientific Reports*, **2022**, 12, 4988	4.9	