Lijie Li

List of Publications by Year in descending order

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68	1,032	489802	563245
papers	citations	18 h-index	28 g-index

69	69	69	834
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Polymer-based lightweight materials for electromagnetic interference shielding: a review. Journal of Materials Science, 2021, 56, 6549-6580.	1.7	93
2	Preparation, characterization and thermal risk evaluation of dihydroxylammonium 5, 5â€²-bistetrazole-1, 1â€²-diolate based polymer bonded explosive. Journal of Hazardous Materials, 2017, 338, 208-217.	6.5	56
3	Effects of Additives on Îµâ€HNIW Crystal Morphology and Impact Sensitivity. Propellants, Explosives, Pyrotechnics, 2012, 37, 77-82.	1.0	52
4	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.	3.4	44
5	Thermolysis, nonisothermal decomposition kinetics, calculated detonation velocity and safety assessment of dihydroxylammonium 5, 5â€²-bistetrazole-1, 1â€²-diolate. Journal of Thermal Analysis and Calorimetry, 2016, 126, 473-480.	2.0	43
6	Morphology control of 3-nitro-1,2,4-triazole-5-one (NTO) by molecular dynamics simulation. CrystEngComm, 2018, 20, 6252-6260.	1.3	35
7	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.	4.0	34
8	Bridged Ti₃C₂T_X MXene Film with Superior Oxidation Resistance and Structural Stability for High-Performance Flexible Supercapacitors. ACS Applied Energy Materials, 2022, 5, 2898-2908.	2.5	34
9	Molecular dynamic simulations on TKX-50/HMX cocrystal. RSC Advances, 2017, 7, 6795-6799.	1.7	30
10	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.	5.0	30
11	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.	2.0	28
12	Nitrogen-rich 4,4â€²-azo bis(1,2,4-triazolone) saltsâ€”the synthesis and promising properties of a new family of high-density insensitive materials. Dalton Transactions, 2016, 45, 3590-3598.	1.6	27
13	Prediction of crystal morphology of 3,4-Dinitro-1H-pyrazole (DNP) in different solvents. Journal of Molecular Graphics and Modelling, 2017, 75, 62-70.	1.3	24
14	Reactive molecular dynamics simulations on the thermal decompositions and oxidations of TKX-50 and twinned TKX-50. CrystEngComm, 2020, 22, 2593-2600.	1.3	24
15	The crossover behavior of bromine species in the metal-free flow battery. Journal of Applied Electrochemistry, 2017, 47, 261-272.	1.5	23
16	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.	1.7	23
17	The effect of solution conditions on the crystal morphology of Î²-HMX by molecular dynamics simulations. Journal of Crystal Growth, 2019, 507, 38-45.	0.7	22
18	Quantitative Determination of Îµâ€phase in polymorphic HNIW using Xâ€ray Diffraction Patterns. Propellants, Explosives, Pyrotechnics, 2008, 33, 467-471.	1.0	20

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19	The study of external growth environments on the crystal morphology of Îµ-HNIW by molecular dynamics simulation. Journal of Materials Science, 2018, 53, 12921-12936.	1.7	20
20	Preparation and Characterization of Cyclotrimethylenetrinitramine (RDX) with Reduced Sensitivity. Materials, 2017, 10, 974.	1.3	19
21	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.	3.2	19
22	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, 194-198.	2.0	18
23	Study on a novel high energetic and insensitive munitions formulation: TKX-50 based melt cast high explosive. RSC Advances, 2017, 7, 31485-31492.	1.7	18
24	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.	1.3	17
25	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.	2.0	17
26	Preparation, nonisothermal decomposition kinetics, heat capacity, and safety parameters of TKX-50-based PBX. Journal of Thermal Analysis and Calorimetry, 2018, 131, 3193-3199.	2.0	16
27	Study on Cellulose Acetate Butyrate/Plasticizer Systems by Molecular Dynamics Simulation and Experimental Characterization. Polymers, 2020, 12, 1272.	2.0	16
28	Squaramide-based lab-on-a-molecule for the detection of silver ion and nitroaromatic explosives. RSC Advances, 2015, 5, 96665-96669.	1.7	15
29	Effects of the N/S codoping configuration and ternary doping on the quantum capacitance of graphene. Journal of Materials Science, 2019, 54, 8995-9003.	1.7	14
30	Dissolution Properties of Dihydroxylammonium 5,5Ê¹-Bistetrazole-1,1Ê¹-diolate and Disodium 5,5Ê¹-Bistetrazole-1,1Ê¹-diolate in Water. Journal of Energetic Materials, 2016, 34, 416-425.	1.0	12
31	Thermal behavior and thermo-kinetic studies of 5,5â€²-bistetrazole-1,1â€²-diolate (1,1-BTO). Journal of Thermal Analysis and Calorimetry, 2017, 129, 1265-1270.	2.0	12
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.	1.0	12
33	Preparation, Crystal Structure and Properties of a New Crystal Form of Diammonium 5,5â€²â€bistetrazoleâ€1,1â€²â€diolate. Chinese Journal of Chemistry, 2015, 33, 1229-1234.	2.6	11
34	The novel compound dimethylamine-5,5â€²-bistetrazole-1,1â€²-diolate: crystal structure, thermal investigation, safety evaluation and theoretical studies. RSC Advances, 2017, 7, 18523-18528.	1.7	10
35	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.	1.6	10
36	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.	0.8	9

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37	Heat effects of NTO synthesis in nitric acid solution. Journal of Thermal Analysis and Calorimetry, 2017, 128, 301-310.	2.0	8
38	Molecular dynamics investigation on the morphology of HNIW affected by the growth condition. Journal of Energetic Materials, 2019, 37, 44-56.	1.0	8
39	Reactive molecular dynamics simulation of thermal decomposition for nano-FOX-7. Applied Physics A: Materials Science and Processing, 2021, 127, 1.	1.1	8
40	Ameliorating the performances of 3,4-bis(4â€²-nitrofurazano-3â€²-yl)furoxan (DNTF) by establishing tannic acid (TA) interface layer on DNTF surface. Chemical Engineering Journal, 2022, 434, 134513.	6.6	8
41	Molecular dynamic simulations for FOX-7 and FOX-7 based PBXs. Journal of Molecular Modeling, 2018, 24, 145.	0.8	7
42	Thermal decomposition and thermal stability of potassium 3,3â€²-dinitrimino-5,5â€²-bis(1H-1,2,4-triazole). Journal of Thermal Analysis and Calorimetry, 2018, 133, 1563-1569.	2.0	6
43	Measurement and Correlation of Solubilities of 5,5â€²-Dinitramino-3,3â€²-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.	1.0	6
44	Investigation into the Temperature Adaptability of HNIWâ€based PBXs. Propellants, Explosives, Pyrotechnics, 2019, 44, 327-336.	1.0	6
45	Thermal safety assessment and thermo-kinetic parameters of 5,5â€²-dinitramino-3,3â€²-bi[1,2,4-triazolate] carbohydrazide salt (CBNT). Journal of Thermal Analysis and Calorimetry, 2021, 144, 647-655.	2.0	6
46	Rational Construction of Cobalt Sulfide Nanoparticles Embedded in Hollow N, P, S Codoped Carbon Shells for Enhanced Supercapacitor Performance. ACS Applied Energy Materials, 2022, 5, 1436-1446.	2.5	6
47	Dissolution thermodynamics of dihydroxylammonium 5,5â€²-bistetrazole-1,1â€²-diolate in water at TÂ=Â(298.15,) Tj ETQq1 1 0.784	2.0	5
48	A molecular dynamics study and detonation parameters calculation of 5,5â€™-dinitramino-3,3â€™-bi[1,2,4-triazolate] carbohydrazide salt (CBNT) and its PBXs. Journal of Energetic Materials, 2020, 38, 283-294.	1.0	5
49	Solubilities of 2,6â€Diaminoâ€3,5â€dinitropyrazineâ€1â€oxide in the Binary Mixtures of DMSO+H 2 O, DMF+H 2 O and NMP+H 2 O in the Temperature Range from 293.15â€‰to 323.15â€…K under the Atmospheric Pressure. Propellants, Explosives, Pyrotechnics, 2020, 45, 503-508.	1.0	5
50	Measurement and Correlation of Solubilities of 3-Nitro-1,2,4-triazol-5-one (NTO) in 10 Pure Solvents and 3 Binary Solvents from 278.15 to 328.15 K. Journal of Chemical & Engineering Data, 2021, 66, 3897-3910.	1.0	5
51	Empirical Kinetics Equation of the Synthesis of NTO in Nitric Acid. Propellants, Explosives, Pyrotechnics, 2016, 41, 1085-1091.	1.0	4
52	Preparation, crystal structure, thermal behavior, and theoretical studies of N,Nâ€²-dinitro-4, 4â€²-azo-bis(1,2,4-triazolone) (DNZTO). Zeitschrift Fur Naturforschung - Section B Journal of Chemical Sciences, 2016, 71, 197-204.	0.3	4
53	Theoretical study on the weak interaction and energy performance of nitroformate salts and nitroformate-based propellant formulations. Journal of Molecular Modeling, 2019, 25, 285.	0.8	4
54	Morphology prediction of dihydroxylammonium 5,5â€²-bistetrazole-1,1â€²-diolate (TKX-50) crystal in different solvent systems using modified attachment energy model. Chinese Journal of Chemical Engineering, 2023, 53, 181-193.	1.7	4

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55	Synthesis and Characterization of 1,5â€Dinitroâ€2,6â€bis(trinitromethyl)â€3a,4a,7a,8aâ€tetrahydroâ€[1,4]dioxino[2,3â€d:5,6â€dâ€²]diimidazole (DNTNDI). Propellants, Explosives, Pyrotechnics, 2013, 38, 658-664.	1.0	3
56	Crystal structure of 2,4,6,8,10,12-hexanitro-2,4,6,8,10,12-hexaazatetracyclo[5Â·5Â·0Â·05Â·9Â·03Â·11]dodecane 1/3 hydrate, C6H8N12O13. Zeitschrift Fur Kristallographie - New Crystal Structures, 2016, 231, 491-492.	0.1	3
57	Miscibility, Glass Transition Temperature and Mechanical Properties of NC/DBP Binary Systems by Molecular Dynamics. Propellants, Explosives, Pyrotechnics, 2018, 43, 559-567.	1.0	3
58	The crystal structure and thermal analysis of ZTO and its solvent adducts. Research on Chemical Intermediates, 2016, 42, 4333-4340.	1.3	2
59	Dissolution properties of 5,5â€²-bistetrazole-1, 1â€²-dihydroxy and disodium 5,5â€²-bistetrazole-1, 1â€²-diolate in dimethyl sulfoxide. Journal of Thermal Analysis and Calorimetry, 2017, 128, 615-620.	2.0	2
60	Shock Initiation Investigation of a Pressed Trinitrotoluene Explosive. Propellants, Explosives, Pyrotechnics, 2021, 46, 1717.	1.0	2
61	Investigation of the effect of the CAB/A3 system on HNIW-based PBXs using molecular dynamics. Journal of Molecular Modeling, 2018, 24, 186.	0.8	1
62	Organic-Inorganic Artificial Ion Channel Polyvinylidene Fluoride Membranes for Controllable Selectivity Transport of Alkali Metal Cations. Membranes, 2020, 10, 174.	1.4	1
63	Design and properties of N,Nâ€™-linked bis-1,2,4-triazoles compounds as promising energetic materials. Journal of Molecular Modeling, 2020, 26, 130.	0.8	1
64	A novel ternary energetic compound: DAF/DNP/H2O cocrystal. Journal of Energetic Materials, 0, , 1-13.	1.0	1
65	The effect of solvents on the morphology of NTO crystal by molecular dynamics. Journal of Physics: Conference Series, 2022, 2285, 012034.	0.3	1
66	Crystal structure of hexaaquamagnesium(II) 5,5â€²-bitetrazole-1,1â€²-diolate, C2H12N8O8Mg. Zeitschrift Fur Kristallographie - New Crystal Structures, 2016, 231, 305-306.	0.1	0
67	Crystal structure of tetraqua((E)-4,4â€²-(diazene-1,2-diyl)bis(5-oxo-4,5-dihydro-1,2,4-triazol-1-ide)-Î²2N:O)barium(II), C4H10N8O6Ba. Zeitschrift Fur Kristallographie - New Crystal Structures, 2016, 231, 503-504.	0.1	0
68	The influence of temperature environmental on performance of HNIW/FOX-7 based PBXs. Scientific Reports, 2022, 12, 4988.	1.6	0