Li Yang

List of Publications by Year
in descending order

69	1,236	361413	414414
papers	citations	20 h-index	32 g-index

69	69	69	895
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Explosives in the Cage: Metalâ€“Organic Frameworks for Highâ€Energy Materials Sensing and Desensitization. Advanced Materials, 2017, 29, 1701898.	21.0	127
2	Metalâ€Organic Framework Templated Synthesis of Copper Azide as the Primary Explosive with Low Electrostatic Sensitivity and Excellent Initiation Ability. Advanced Materials, 2016, 28, 5837-5843.	21.0	108
3	Recent progress in integrated functional electrochromic energy storage devices. Journal of Materials Chemistry C, 2020, 8, 15507-15525.	5.5	68
4	The facile synthesis of graphene nanoplateletâ€“lead styphnate composites and their depressed electrostatic hazards. Journal of Materials Chemistry A, 2013, 1, 12710.	10.3	55
5	Fabrication of Copper Azide Film through Metalâ€“Organic Framework for Micro-Initiator Applications. ACS Applied Materials & Interfaces, 2019, 11, 8081-8088.	8.0	53
6	Image dehazing using adaptive bi-channel priors on superpixels. Computer Vision and Image Understanding, 2017, 165, 17-32.	4.7	50
7	Preparation, crystal structures, thermal decompositions and explosive properties of two new high-nitrogen azide ethylenediamine energetic compounds. New Journal of Chemistry, 2013, 37, 646-653.	2.8	36
8	Nanoscale Homogeneous Energetic Copper Azides@Porous Carbon Hybrid with Reduced Sensitivity and High Ignition Ability. ACS Applied Materials & Interfaces, 2018, 10, 22545-22551.	8.0	33
9	Thermal kinetic performance and storage life analysis of a series of high-energy and green energetic materials. Journal of Thermal Analysis and Calorimetry, 2015, 119, 659-670.	3.6	32
10	Preparation, Crystal Structure, Thermal Decomposition, and Explosive Properties of [Cd(en)(N₃)₂]_n. Propellants, Explosives, Pyrotechnics, 2010, 35, 521-528.	1.6	31
11	Preparation, Crystal Structures, Thermal Decomposition and Explosive Properties of Two Novel Energetic Compounds M(IMI)₄(N₃)₂ (M = Cu^{II} and) Tj ETQq1 1 0.784314 rgBT /Ov Inorganic Chemistry, 2011, 2011, 2616-2623.	2.0	31
12	High-performance primary explosives derived from copper thiolate cluster-assembled materials for micro-initiating device. Chemical Engineering Journal, 2020, 389, 124455.	12.7	30
13	Antistatic Modification of Lead Styphnate and Lead Azide for Surfactant Applications. Propellants, Explosives, Pyrotechnics, 2013, 38, 569-576.	1.6	24
14	Synthesis of Energetic Complexes [Co(en)(H₂BTI)₂]₂â€‰â‹…â€‰en, [Cu₂(en)₂(HBTI)₂]₂ and Catalytic Study on Thermal Decomposition of Ammonium Perchlorate. Propellants, Explosives, Pyrotechnics, 2019, 44, 816-820.	1.6	24
15	Synthesis, Crystal Structure, Thermal Decomposition, and Sensitive Properties of Two Novel Energetic Cadmium(II) Complexes Based on 4-Amino-1,2,4-triazole. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 2215-2222.	1.2	23
16	Ecoâ€friendly Trifoliate Stable Energetic Zinc Nitrate CoÂordination Compounds: Synthesis, Structures, Thermal and Explosive Properties. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2014, 640, 2991-2997.	1.2	23
17	Assembly of composites into a coreâ€“shell structure using ultrasonic spray drying and catalytic application in the thermal decomposition of ammonium perchlorate. RSC Advances, 2016, 6, 71223-71231.	3.6	23
18	Large-scale production of (2,4-DHB) n M micro-nano spheres by spray drying and their application as catalysts for ammonium perchlorate. Journal of Industrial and Engineering Chemistry, 2016, 38, 73-81.	5.8	23

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19	A novel method to synthesize stable nitrogen-rich polynitrobenzenes with Ï€-stacking for high-energy-density energetic materials. Chemical Communications, 2018, 54, 10296-10299.	4.1	23
20	Synthesis, structural investigation and thermal properties of a novel manganese complex Mn2(DAT)2Cl4(H2O)4 (DAT=1,5-diaminotetrazole). Journal of Hazardous Materials, 2010, 178, 1094-1099.	12.4	21
21	In situ synthesis of three-dimensional graphene skeleton copper azide with tunable sensitivity performance. Materials Letters, 2020, 279, 128466.	2.6	21
22	Catalytic study on thermal decomposition of Cu-en/(AP, CL-20, RDX and HMX) composite microspheres prepared by spray drying. New Journal of Chemistry, 2018, 42, 19062-19069.	2.8	20
23	Synthesis, crystal structure, thermal decomposition, and explosive properties of [Bi(tza)₃] _n (tzaâ€‰=â€‰tetrazole acetic acid). Journal of Coordination Chemistry, 2011, 64, 2583-2591.	2.2	19
24	Preparation, Crystal Structure, and Thermal Decomposition of Two Novel Energetic Compounds [Ni(IMI)₆](L)₂ (L = ClO₄^{â€“} and) Tj ETQq0 0 0 rgBT /Overlock 10 Tf 50 547 Td (NO [Ni(IMI)₆](CO₃)Â·5H₂O (IMI = Imidazole). Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2011, 637, 2252-2259.	1.2	17
25	Preparation of Ultrafine TATB and the Technology for Crystal Morphology Control. Chinese Journal of Chemistry, 2012, 30, 293-298.	4.9	17
26	Alkali metal salts of 3,6-dinitramino-1,2,4,5-tetrazine: promising nitrogen-rich energetic materials. CrystEngComm, 2019, 21, 765-772.	2.6	17
27	Energetic Compounds Based on 4â€Aminoâ€1, 2, 4â€triazole (ATZ) and Picrate (PA): [Zn(H₂O)₆](PA)₂Â·3H₂O and [Zn(ATZ)₃](PA)₂Â·2.5H₂O]_n. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2013, 639, 2209-2215.	1.2	16
28	Preparation, Crystal Structure, and Thermal Decomposition of a Novel Nitrogenâ€rich Compound Zn₃(ATZ)₆(N₃)₆ (ATZ = 4â€aminoâ€1,2,4â€triazole, N% =) Tj ETQq0 0 0 rgBT /Ove	1.2	16
29	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.	3.1	14
30	Synthesis of the microspheric cocrystal CL-20/2,4-DNI with high energy and low sensitivity by a spray-drying process. New Journal of Chemistry, 2019, 43, 17390-17394.	2.8	14
31	Graphene nanoplatelets/lead azide composites for the depressed electrostatic hazards. Materials Letters, 2014, 123, 79-82.	2.6	13
32	Facile fabrication of well-dispersed CuxO nanoneedle on porous carbonized nano sponge and its promising application in the thermal decomposition of ammonium perchlorate. Powder Technology, 2021, 391, 206-213.	4.2	13
33	Preparation of a nanoscale homogeneous energetic lead azides@porous carbon hybrid with high ignition ability by in situ synthesis. RSC Advances, 2020, 10, 14347-14352.	3.6	11
34	Molding fabrication of copper azide/porous graphene with high electrostatic safety by self-assembly of graphene oxide. Nanotechnology, 2021, 32, 385704.	2.6	11
35	Molding preparation and research on performance of low-electrostatic-sensitivity, high-output carbon-based copper azide based on metalâ€“organic framework/graphene oxide. Journal of Materials Science, 2021, 56, 15268-15277.	3.7	11
36	Synthesis, crystal structure and thermal decomposition of a novel environmentally friendly energetic cesium compound, [Cs2(HTNR)(OH)(H2O)]n. Main Group Chemistry, 2011, 10, 205-213.	0.8	10

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37	Seven rings, eight-coordinated binuclear chelate: [Ca₂(SCZ)₄(NO₃)₂(H₂O)₂]Cl₂·2H₂O (SCZ) Tj ET Q	2.6	9
38	Programming a Metalâ€“Organic Framework toward Excellent Hypergolicity. ACS Applied Materials & Interfaces, 2022, 14, 23909-23915.	8.0	9
39	Thermal Kinetic Parameters of Lead Azide and Lead Styphnate with Antistatic Additives. Propellants, Explosives, Pyrotechnics, 2016, 41, 267-272.	1.6	8
40	Gem-diol and Ketone Crystal-to-crystal Transition Phenomena. Scientific Reports, 2017, 7, 13426.	3.3	8
41	Chelates with Ï€-stacking and hydrogen-bonding interactions as safer and structurally reinforced energetic materials. Inorganica Chimica Acta, 2017, 466, 405-409.	2.4	8
42	Expedite Fluorescent Sensor Prototype for Hydrogen Peroxide Detection with Long-Life Test Substrates. ACS Omega, 2021, 6, 11447-11457.	3.5	8
43	Facile Synthesis of Energetic Nanoparticles of Copper Azide with High Initiation Ability for Micro-Initiator Applications Using Layered Copper Hydroxide. Inorganic Chemistry, 2022, 61, 9096-9103.	4.0	8
44	Chelating Energetic Material Nickel Semicarbazide 2,4,6â€Trinitroresorcinol: Synthesis, Structure, and Thermal Behavior. Zeitschrift Fur Anorganische Und Allgemeine Chemie, 2015, 641, 1550-1555.	1.2	7
45	Preparation of Nanoâ€Spherical Cuâ€en and Its Catalytic Study on the Performance of Solid Propellant. Propellants, Explosives, Pyrotechnics, 2020, 45, 1799-1804.	1.6	7
46	Fabrication of a nanoscale homogeneous lead azide@carbon fiber film with low electrostatic sensitivity by in situ synthesis. New Journal of Chemistry, 0, , .	2.8	7
47	Synthesis, Crystal Structure, Thermal and Explosive Properties of [Cd(SCZ)₃(H₂O)](PA)₂·3H₂O (SCZ = Semicarbazide, PA) Tj ET Q q 1 0 0 784314 rg	1.2	7
48	Explosives: Metal-Organic Framework Templated Synthesis of Copper Azide as the Primary Explosive with Low Electrostatic Sensitivity and Excellent Initiation Ability (Adv. Mater. 28/2016). Advanced Materials, 2016, 28, 5766-5766.	21.0	6
49	Theoretical predict structure and property of the novel CL-20/2,4-DNI cocrystal by systematic search approach. Defence Technology, 2022, 18, 907-917.	4.2	6
50	Fluorescent detection of HCl in halogenated solvents via photoinduced electron transfer: towards efficient gamma radiation detection. New Journal of Chemistry, 2020, 44, 11256-11261.	2.8	6
51	Catalytic Action of Submicrometer Spherical Ta/Ph-Fe on Combustion of AP/HTPB Propellant. Propellants, Explosives, Pyrotechnics, 2018, 43, 637-641.	1.6	5
52	Theoretical study of the reduction in sensitivity of copper azide following encapsulation in carbon nanotubes. Journal of Molecular Modeling, 2020, 26, 90.	1.8	5
53	MOF as the rigid shell to improve the mechanical sensitivity of nitramine explosives. Materials Letters, 2022, 306, 130940.	2.6	5
54	Preparation of modified lead azide compound with high ignition ability based on graphene oxide. Materials Letters, 2022, 314, 131747.	2.6	5

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55	Preparation, Crystal Structure, Thermal Decomposition, and DFT Calculation of a Novel 3D Infinite Structure Coordination Polymer [Na₂(H₂O)₄(ITDO)₂]_n (ITDO =) Tj ETQq1 1 0.784314 rgBT /Ov Allgemeine Chemie, 2015, 641, 424-429.	1.2	4
56	Research on the thermal performance and storage life of series of high-energy hydrazine nitrate complexes. Journal of Thermal Analysis and Calorimetry, 2017, 129, 1887-1897.	3.6	4
57	A facile method to prepare energetic materials (EMs). RSC Advances, 2017, 7, 48161-48165.	3.6	4
58	Preparation of Microspherical Phâ˜Fe/RDX(HMX) Composite Particles and their Thermal Decomposition Behaviors. Propellants, Explosives, Pyrotechnics, 2021, 46, 690-696.	1.6	4
59	Expeditious base-free solid-state reaction between phenyl boronates and hydrogen peroxide on silica gel. Reaction Chemistry and Engineering, 2022, 7, 741-749.	3.7	4
60	Fabrication of nanoscale coreâ€“shell structured lead azide/porous carbon based on a metalâ€“organic framework with high safety performance. New Journal of Chemistry, 2022, 46, 4864-4870.	2.8	4
61	The preparation of sub-micron spherical Fe-Ph/Cl-20 by the spray-drying method and its combustion. RSC Advances, 2016, 6, 115303-115307.	3.6	3
62	Seven-coordinated chelate [Cd(SCZ)₃Â·H₂O](HTNR)₂(H₂O)₂: Synthesis, crystal structure and energetic properties. Molecular Crystals and Liquid Crystals, 2017, 650, 102-109.	0.9	2
63	Synthesis and characterization of an electron-deficient conjugated polymer based on pyridine-flanked diketopyrrolopyrrole. RSC Advances, 2021, 11, 12995-13003.	3.6	2
64	Preparation of Ta(Ph)â€Fe/AP Composite Microspheres by Ultrasonic Spray Drying and Characterization of Their Catalytic Properties. Propellants, Explosives, Pyrotechnics, 2020, 45, 368-373.	1.6	2
65	Orientation-guided geodesic weighting for PatchMatch-based stereo matching. Information Sciences, 2016, 334-335, 293-306.	6.9	1
66	Synthesis, thermal behaviors and thermal safety of 1,3-di (azido-acetoxy)-2-ethyl-2-nitropropane. Journal of Analytical and Applied Pyrolysis, 2019, 142, 104596.	5.5	1
67	A highly stable octa-coordinated energetic complex. CrystEngComm, 2020, 22, 6591-6595.	2.6	1
68	Thermodynamic properties of 1,3-di (azido-acetoxy)-2-methyl-2-nitropropane. Journal of Thermal Analysis and Calorimetry, 2019, 138, 3023-3029.	3.6	0
69	Cocrystallization of energetic Mn(II) complex with nitrogen-rich ligand SCZ and oxygen-rich ligand TNR. Journal of Coordination Chemistry, 2019, 72, 468-479.	2.2	0