

# Chongwei An

## List of Publications by Year in descending order

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Version: 2024-02-01

57  
papers

1,235  
citations

361413

20  
h-index

395702

33  
g-index

58  
all docs

58  
docs citations

58  
times ranked

654  
citing authors

#	ARTICLE	IF	CITATIONS
1	Theoretical calculation on the interaction mechanism between 2,6-diamino-3,5-dinitropyrazine-1-oxide and ammonium perchlorate. <i>Journal of Energetic Materials</i> , 2023, 41, 236-252.	2.0	4
2	Accurate and efficient droplet microfluidic strategy for controlling the morphology of energetic microspheres. <i>Journal of Energetic Materials</i> , 2023, 41, 411-428.	2.0	16
3	Preparation of HMX/TATB spherical composite explosive by droplet microfluidic technology. <i>Defence Technology</i> , 2023, 21, 62-72.	4.2	19
4	Effect of the fractal characteristics of the RDX particles on the rheology of the RDX-based casting aluminized explosives. <i>Journal of Energetic Materials</i> , 2023, 41, 615-631.	2.0	3
5	Evolution of HTPB/RDX/Al/DOA mixed explosives with 90% solid loading in resonance acoustic mixing process. <i>Journal of Energetic Materials</i> , 2023, 41, 595-614.	2.0	3
6	Design and fabrication of CL-20-based composites with an ordered close-packing structure by inkjet printing. <i>Colloids and Surfaces A: Physicochemical and Engineering Aspects</i> , 2022, 639, 128331.	4.7	5
7	Large-Area Nanosphere Self-Assembly Monolayers for Periodic Surface Nanostructures with Ultrasensitive and Spatially Uniform SERS Sensing. <i>Small</i> , 2022, 18, e2104202.	10.0	24
8	Self-Assembly Method for Insensitive DAAF/FOX-7 Composite Crystals with Microspheres Structure. <i>Crystal Research and Technology</i> , 2021, 56, 2000194.	1.3	5
9	CL-20 based energetic thin films: Micro-spray molding and micro-detonation. <i>AIP Advances</i> , 2021, 11, 065014.	1.3	1
10	Preparation of functionalized GO coordination compound and its catalytic performance for thermal decomposition of ammonium perchlorate. <i>Journal of Materials Science</i> , 2021, 56, 19599-19613.	3.7	7
11	Multilevel strategies for the composition and formation of DAAF/HNIW composite crystals. <i>CrystEngComm</i> , 2021, 23, 7750-7759.	2.6	7
12	Morphology prediction of 1,3,5,7-tetranitro-1,3,5,7-tetrazocane (HMX) crystal in dimethyl sulfoxide (DMSO) solvent with different models using molecular dynamics simulation. <i>Journal of Molecular Modeling</i> , 2021, 27, 324.	1.8	1
13	Synergistic catalysis of ZIF-67@CNTOH in thermal decomposition of ammonium perchlorate. <i>Journal of Materials Science</i> , 2020, 55, 4646-4655.	3.7	31
14	Nozzle-Assisted Simultaneous Precipitation Method for Energetic FOX-7/RDX Composite Microspheres with Improved Thermal Stability and Sensitivity. <i>Crystal Research and Technology</i> , 2020, 55, 2000015.	1.3	3
15	Inkjet Printing of GAP/NC/DNTF Based Microscale Booster with High Strength for PyroMEMS. <i>Micromachines</i> , 2020, 11, 415.	2.9	11
16	CL-20/CAB energetic composite microspheres prepared by premix membrane emulsification. <i>AIP Advances</i> , 2020, 10, .	1.3	4
17	Preparation of multi-scale FOX-7 particles and investigation of sensitivity and thermal stability. <i>RSC Advances</i> , 2019, 9, 21042-21049.	3.6	12
18	Formulation of CL-20-Based Explosive Ink and Its Detonating Transfer Performance in Micro-Size Charge. <i>Propellants, Explosives, Pyrotechnics</i> , 2019, 44, 1432-1439.	1.6	11

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19	CL-20 Based Ultraviolet Curing Explosive Composite with High Performance. Propellants, Explosives, Pyrotechnics, 2019, 44, 935-940.	1.6	12
20	LLM-105 nanoparticles prepared via green ball milling and their thermodynamics and kinetics investigation. Journal of Thermal Analysis and Calorimetry, 2019, 135, 3303-3309.	3.6	6
21	Exploring the Coordination Effect of GO@MOF-5 as Catalyst on Thermal Decomposition of Ammonium Perchlorate. Nanoscale Research Letters, 2019, 14, 345.	5.7	40
22	Synergistic effects between Cu metal-organic framework (Cu-MOF) and carbon nanomaterials for the catalyzation of the thermal decomposition of ammonium perchlorate (AP). Journal of Materials Science, 2019, 54, 4928-4941.	3.7	68
23	Reduce the Sensitivity of CL-20 by Improving Thermal Conductivity Through Carbon Nanomaterials. Nanoscale Research Letters, 2018, 13, 85.	5.7	30
24	Characterization and Thermal Decomposition of Nanometer 2,2,4,4,6,6-Hexanitro-Stilbene and 1,3,5-Triamino-2,4,6-Trinitrobenzene Fabricated by a Mechanical Milling Method. Journal of Energetic Materials, 2018, 36, 179-190.	2.0	17
25	Inkjet printing of energetic composites with high density. RSC Advances, 2018, 8, 35863-35869.	3.6	23
26	Preparation and Performance of Pentaerythrite Tetranitrate-Based Composites by Direct Ink Writing. Propellants, Explosives, Pyrotechnics, 2018, 43, 1149-1156.	1.6	11
27	CL-20 based Explosive Ink of Emulsion Binder System for Direct Ink Writing. Propellants, Explosives, Pyrotechnics, 2018, 43, 533-537.	1.6	29
28	Nano-HNS Particles: Mechanochemical Preparation and Properties Investigation. Journal of Nanomaterials, 2018, 2018, 1-7.	2.7	14
29	Direct Ink Writing of DNTF Based Composite with High Performance. Propellants, Explosives, Pyrotechnics, 2018, 43, 754-758.	1.6	28
30	High-density HNIW/TNT cocrystal synthesized using a green chemical method. Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials, 2018, 74, 385-393.	1.1	24
31	One-Step Ball Milling Preparation of Nanoscale CL-20/Graphene Oxide for Significantly Reduced Particle Size and Sensitivity. Nanoscale Research Letters, 2018, 13, 42.	5.7	44
32	Thermochemical properties of nanometer CL-20 and PETN fabricated using a mechanical milling method. AIP Advances, 2018, 8, .	1.3	20
33	An Insensitive Booster Explosive: DAAF Surface-coated with Viton A. Central European Journal of Energetic Materials, 2018, 15, 445-455.	0.4	9
34	Preparation and characterization of nano NC/HMX composite particles. Science and Engineering of Composite Materials, 2017, 24, 123-128.	1.4	3
35	Carbon-coated copper nanoparticles prepared by detonation method and their thermocatalysis on ammonium perchlorate. AIP Advances, 2017, 7, .	1.3	7
36	Preparation and Properties of CL-20 based Composite by Direct Ink Writing. Propellants, Explosives, Pyrotechnics, 2017, 42, 1139-1142.	1.6	20

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37	Formation and properties of HMX-based microspheres via spray drying. RSC Advances, 2017, 7, 35411-35416.	3.6	39
38	Preparation and Characterization of Ultrafine HMX/TATB Explosive Co-crystals. Central European Journal of Energetic Materials, 2017, 14, 876-887.	0.4	16
39	Mechanism investigation for remarkable decreases in sensitivities from micron to nano nitroamine. Nanomaterials and Nanotechnology, 2016, 6, 184798041666367.	3.0	12
40	Preparation and Characterization of RDX-Based Composite with Glycidyl Azide Polymers and Nitrocellulose. Journal of Propulsion and Power, 2016, 32, 1036-1040.	2.2	15
41	Catalysis of a Nanometre Solid Super Acid of $SO_4^{2-}/TiO_2$ on the Thermal Decomposition of Ammonium Nitrate. Nanomaterials and Nanotechnology, 2016, 6, 23.	3.0	8
42	Preparation and Properties of Surface-Coated HMX with Viton and Graphene Oxide. Journal of Energetic Materials, 2016, 34, 235-245.	2.0	47
43	Synthesis, thermolysis, and sensitivities of HMX/NC energetic nanocomposites. Journal of Hazardous Materials, 2016, 312, 73-83.	12.4	93
44	GAP/DNTF Based PBX Explosives: a Novel Formula Used in Small Sized Explosive Circuits. Central European Journal of Energetic Materials, 2016, 13, 397-410.	0.4	9
45	Preparation and Performance of Nano HMX/TNT Cocrystals. Propellants, Explosives, Pyrotechnics, 2015, 40, 652-658.	1.6	38
46	Preparation and Properties of HMX/Nitrocellulose Nanocomposites. Journal of Propulsion and Power, 2015, 31, 757-761.	2.2	21
47	Preparation and Properties of 1, 3, 5, 7-Tetranitro-1, 3, 5, 7-Tetrazocane-based Nanocomposites. Defence Science Journal, 2015, 65, 131-134.	0.8	11
48	Nano Cyclotetramethylene Tetranitramine Particles Prepared by a Green Recrystallization Process. Propellants, Explosives, Pyrotechnics, 2014, 39, 701-706.	1.6	30
49	Preparation and Properties of An Insensitive Booster Explosive Based on LLM-105. Propellants, Explosives, Pyrotechnics, 2013, 38, 136-141.	1.6	40
50	Preparation and Properties of 2,6-Diamino-3,5-dinitropyrazine-4-oxide based Nanocomposites. Propellants, Explosives, Pyrotechnics, 2013, 38, 172-175.	1.6	25
51	Surface Coating of Nitroamine Explosives and Its Effects on the Performance of Composite Modified Double-Base Propellants. Journal of Propulsion and Power, 2012, 28, 444-448.	2.2	17
52	A Fractal Approach to Assess the Risks of Nitroamine Explosives. Journal of Energetic Materials, 2012, 30, 1-29.	2.0	6
53	Study on Ultrasound- and Spray-Assisted Precipitation of CL-20. Propellants, Explosives, Pyrotechnics, 2012, 37, 670-675.	1.6	36
54	Preparation and Performances of Castable HTPB/CL-20 Booster Explosives. Propellants, Explosives, Pyrotechnics, 2011, 36, 34-41.	1.6	15

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55	Preparation and Properties of HMX Coated with a Composite of TNT/Energetic Material. Propellants, Explosives, Pyrotechnics, 2010, 35, 365-372.	1.6	59
56	Dependence of particle morphology and size on the mechanical sensitivity and thermal stability of octahydro-1,3,5,7-tetranitro-1,3,5,7-tetrazocine. Journal of Hazardous Materials, 2008, 159, 222-229.	12.4	124
57	Solubility determination and prediction for FOX-7 in three binary solvents at different temperatures. Journal of Energetic Materials, 0, , 1-16.	2.0	1