

# Chongwei An

## List of Publications by Year in descending order

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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  | 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. <i>Journal of Hazardous Materials</i> , 2008, 159, 222-229.                     | 12.4 | 124       |
| 2  | Synthesis, thermolysis, and sensitivities of HMX/NC energetic nanocomposites. <i>Journal of Hazardous Materials</i> , 2016, 312, 73-83.   | 12.4 | 93        |
| 3  | Synergistic effects between Cu metal-organic framework (Cu-MOF) and carbon nanomaterials for the catalyzation of the thermal decomposition of ammonium perchlorate (AP). <i>Journal of Materials Science</i> , 2019, 54, 4928-4941. | 3.7  | 68        |
| 4  | Preparation and Properties of HMX Coated with a Composite of TNT/Energetic Material. <i>Propellants, Explosives, Pyrotechnics</i> , 2010, 35, 365-372.  | 1.6  | 59        |
| 5  | Preparation and Properties of Surface-Coated HMX with Viton and Graphene Oxide. <i>Journal of Energetic Materials</i> , 2016, 34, 235-245.  | 2.0  | 47        |
| 6  | One-Step Ball Milling Preparation of Nanoscale CL-20/Graphene Oxide for Significantly Reduced Particle Size and Sensitivity. <i>Nanoscale Research Letters</i> , 2018, 13, 42.  | 5.7  | 44        |
| 7  | Preparation and Properties of An Insensitive Booster Explosive Based on LLM-105. <i>Propellants, Explosives, Pyrotechnics</i> , 2013, 38, 136-141.  | 1.6  | 40        |
| 8  | Exploring the Coordination Effect of GO@MOF-5 as Catalyst on Thermal Decomposition of Ammonium Perchlorate. <i>Nanoscale Research Letters</i> , 2019, 14, 345.  | 5.7  | 40        |
| 9  | Formation and properties of HMX-based microspheres via spray drying. <i>RSC Advances</i> , 2017, 7, 35411-35416.  | 3.6  | 39        |
| 10 | Preparation and Performance of Nano HMX/TNT Cocrystals. <i>Propellants, Explosives, Pyrotechnics</i> , 2015, 40, 652-658.   | 1.6  | 38        |
| 11 | Study on Ultrasound- and Spray-Assisted Precipitation of CL-20. <i>Propellants, Explosives, Pyrotechnics</i> , 2012, 37, 670-675.   | 1.6  | 36        |
| 12 | Synergistic catalysis of ZIF-67@CNT/TOH in thermal decomposition of ammonium perchlorate. <i>Journal of Materials Science</i> , 2020, 55, 4646-4655.  | 3.7  | 31        |
| 13 | Nano Cyclotetramethylene Tetranitramine Particles Prepared by a Green Recrystallization Process. <i>Propellants, Explosives, Pyrotechnics</i> , 2014, 39, 701-706.  | 1.6  | 30        |
| 14 | Reduce the Sensitivity of CL-20 by Improving Thermal Conductivity Through Carbon Nanomaterials. <i>Nanoscale Research Letters</i> , 2018, 13, 85.   | 5.7  | 30        |
| 15 | CL-20 based Explosive Ink of Emulsion Binder System for Direct Ink Writing. <i>Propellants, Explosives, Pyrotechnics</i> , 2018, 43, 533-537.   | 1.6  | 29        |
| 16 | Direct Ink Writing of DNTF Based Composite with High Performance. <i>Propellants, Explosives, Pyrotechnics</i> , 2018, 43, 754-758.   | 1.6  | 28        |
| 17 | Preparation and Properties of 2,6-Diamino-3,5-dinitropyrazine-oxide based Nanocomposites. <i>Propellants, Explosives, Pyrotechnics</i> , 2013, 38, 172-175.   | 1.6  | 25        |
| 18 | High-density HNIW/TNT cocrystal synthesized using a green chemical method. <i>Acta Crystallographica Section B: Structural Science, Crystal Engineering and Materials</i> , 2018, 74, 385-393.                                      | 1.1  | 24        |

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|----|---|------|-----------|
| 19 | 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        |
| 20 | Inkjet printing of energetic composites with high density. <i>RSC Advances</i> , 2018, 8, 35863-35869.  | 3.6  | 23        |
| 21 | Preparation and Properties of HMX/Nitrocellulose Nanocomposites. <i>Journal of Propulsion and Power</i> , 2015, 31, 757-761.  | 2.2  | 21        |
| 22 | Preparation and Properties of CL-20 based Composite by Direct Ink Writing. <i>Propellants, Explosives, Pyrotechnics</i> , 2017, 42, 1139-1142.  | 1.6  | 20        |
| 23 | Thermochemical properties of nanometer CL-20 and PETN fabricated using a mechanical milling method. <i>AIP Advances</i> , 2018, 8, .  | 1.3  | 20        |
| 24 | Preparation of HMX/TATB spherical composite explosive by droplet microfluidic technology. <i>Defence Technology</i> , 2023, 21, 62-72.  | 4.2  | 19        |
| 25 | Surface Coating of Nitroamine Explosives and Its Effects on the Performance of Composite Modified Double-Base Propellants. <i>Journal of Propulsion and Power</i> , 2012, 28, 444-448.  | 2.2  | 17        |
| 26 | 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. <i>Journal of Energetic Materials</i> , 2018, 36, 179-190. | 2.0  | 17        |
| 27 | 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        |
| 28 | Preparation and Characterization of Ultrafine HMX/TATB Explosive Co-crystals. <i>Central European Journal of Energetic Materials</i> , 2017, 14, 876-887.   | 0.4  | 16        |
| 29 | Preparation and Performances of Castable HTPB/CL-20 Booster Explosives. <i>Propellants, Explosives, Pyrotechnics</i> , 2011, 36, 34-41.   | 1.6  | 15        |
| 30 | Preparation and Characterization of RDX-Based Composite with Glycidyl Azide Polymers and Nitrocellulose. <i>Journal of Propulsion and Power</i> , 2016, 32, 1036-1040.  | 2.2  | 15        |
| 31 | Nano-HNS Particles: Mechanochemical Preparation and Properties Investigation. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-7.  | 2.7  | 14        |
| 32 | Mechanism investigation for remarkable decreases in sensitivities from micron to nano nitroamine. <i>Nanomaterials and Nanotechnology</i> , 2016, 6, 184798041666367.   | 3.0  | 12        |
| 33 | 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        |
| 34 | CL-20 Based Ultraviolet Curing Explosive Composite with High Performance. <i>Propellants, Explosives, Pyrotechnics</i> , 2019, 44, 935-940.   | 1.6  | 12        |
| 35 | Preparation and Performance of Pentaerythrite Tetranitrate-Based Composites by Direct Ink Writing. <i>Propellants, Explosives, Pyrotechnics</i> , 2018, 43, 1149-1156.  | 1.6  | 11        |
| 36 | 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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|----|---|-----|-----------|
| 37 | Inkjet Printing of GAP/NC/DNTF Based Microscale Booster with High Strength for PyroMEMS. <i>Micromachines</i> , 2020, 11, 415.  | 2.9 | 11        |
| 38 | Preparation and Properties of 1, 3, 5, 7-Tetranitro-1, 3, 5, 7-Tetrazocane-based Nanocomposites. <i>Defence Science Journal</i> , 2015, 65, 131-134.  | 0.8 | 11        |
| 39 | GAP/DNTF Based PBX Explosives: a Novel Formula Used in Small Sized Explosive Circuits. <i>Central European Journal of Energetic Materials</i> , 2016, 13, 397-410.  | 0.4 | 9         |
| 40 | An Insensitive Booster Explosive: DAAF Surface-coated with Viton A. <i>Central European Journal of Energetic Materials</i> , 2018, 15, 445-455.   | 0.4 | 9         |
| 41 | Catalysis of a Nanometre Solid Super Acid of $SO_4^{2-}/TiO_2$ on the Thermal Decomposition of Ammonium Nitrate. <i>Nanomaterials and Nanotechnology</i> , 2016, 6, 23.                                     | 3.0 | 8         |
| 42 | Carbon-coated copper nanoparticles prepared by detonation method and their thermocatalysis on ammonium perchlorate. <i>AIP Advances</i> , 2017, 7, .  | 1.3 | 7         |
| 43 | 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         |
| 44 | Multilevel strategies for the composition and formation of DAAF/HNIW composite crystals. <i>CrystEngComm</i> , 2021, 23, 7750-7759.   | 2.6 | 7         |
| 45 | A Fractal Approach to Assess the Risks of Nitroamine Explosives. <i>Journal of Energetic Materials</i> , 2012, 30, 1-29.  | 2.0 | 6         |
| 46 | LLM-105 nanoparticles prepared via green ball milling and their thermodynamics and kinetics investigation. <i>Journal of Thermal Analysis and Calorimetry</i> , 2019, 135, 3303-3309.                       | 3.6 | 6         |
| 47 | Self-Assembly Method for Insensitive DAAF/FOX Composite Crystals with Microspheres Structure. <i>Crystal Research and Technology</i> , 2021, 56, 2000194.   | 1.3 | 5         |
| 48 | 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         |
| 49 | Theoretical calculation on the interaction mechanism between 2,6-diamino-3,5-dinitropyrazine oxide and ammonium perchlorate. <i>Journal of Energetic Materials</i> , 2023, 41, 236-252.                     | 2.0 | 4         |
| 50 | CL-20/CAB energetic composite microspheres prepared by premix membrane emulsification. <i>AIP Advances</i> , 2020, 10, .  | 1.3 | 4         |
| 51 | Preparation and characterization of nano NC/HMX composite particles. <i>Science and Engineering of Composite Materials</i> , 2017, 24, 123-128.   | 1.4 | 3         |
| 52 | Nozzle-Assisted Simultaneous Precipitation Method for Energetic FOX/RDX Composite Microspheres with Improved Thermal Stability and Sensitivity. <i>Crystal Research and Technology</i> , 2020, 55, 2000015. | 1.3 | 3         |
| 53 | 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         |
| 54 | 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         |

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|----|---|-----|-----------|
| 55 | CL-20 based energetic thin films: Micro-spray molding and micro-detonation. AIP Advances, 2021, 11, 065014.   | 1.3 | 1         |
| 56 | 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. Journal of Molecular Modeling, 2021, 27, 324. | 1.8 | 1         |
| 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         |