

# Jingyu Wang

## List of Publications by Year in descending order

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59  
papers

1,052  
citations

361413  
20  
h-index

477307  
29  
g-index

61  
all docs

61  
docs citations

61  
times ranked

570  
citing authors

#	ARTICLE	IF	CITATIONS
1	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
2	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
3	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
4	Nano-CL-20/HMX Cocrystal Explosive for Significantly Reduced Mechanical Sensitivity. <i>Journal of Nanomaterials</i> , 2017, 2017, 1-7.	2.7	47
5	Prefilming twin-fluid nozzle assisted precipitation method for preparing nanocrystalline HNS and its characterization. <i>Journal of Hazardous Materials</i> , 2009, 162, 842-847.	12.4	46
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	Preparation and Performance of Nano HMX/TNT Cocrystals. <i>Propellants, Explosives, Pyrotechnics</i> , 2015, 40, 652-658.	1.6	38
10	Study on Ultrasound and Spray Assisted Precipitation of CL-20. <i>Propellants, Explosives, Pyrotechnics</i> , 2012, 37, 670-675.	1.6	36
11	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
12	Nano Cyclotetramethylene Tetranitramine Particles Prepared by a Green Recrystallization Process. <i>Propellants, Explosives, Pyrotechnics</i> , 2014, 39, 701-706.	1.6	30
13	Reduce the Sensitivity of CL-20 by Improving Thermal Conductivity Through Carbon Nanomaterials. <i>Nanoscale Research Letters</i> , 2018, 13, 85.	5.7	30
14	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
15	Direct Ink Writing of DNTF Based Composite with High Performance. <i>Propellants, Explosives, Pyrotechnics</i> , 2018, 43, 754-758.	1.6	28
16	Preparation and Properties of 2,6-Diamino-3,5-dinitropyrazine-1-oxide based Nanocomposites. <i>Propellants, Explosives, Pyrotechnics</i> , 2013, 38, 172-175.	1.6	25
17	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
18	Effect of Habit Modifiers on Morphology and Properties of Nano-HNS Explosive in Prefilming Twin-Fluid Nozzle Assisted Precipitation. <i>Propellants, Explosives, Pyrotechnics</i> , 2009, 34, 78-83.	1.6	22

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19	Preparation and Characterization of the Solid Spherical HMX/F <sub>2602</sub> by the Suspension Spray-Drying Method. <i>Journal of Energetic Materials</i> , 2016, 34, 357-367.	2.0	22
20	Effective Insensitiveness of Melamine Urea-Formaldehyde Resin via Interfacial Polymerization on Nitramine Explosives. <i>Nanoscale Research Letters</i> , 2018, 13, 402.	5.7	22
21	Preparation and Properties of CL <sub>20</sub> based Composite by Direct Ink Writing. <i>Propellants, Explosives, Pyrotechnics</i> , 2017, 42, 1139-1142.	1.6	20
22	Preparation of agglomeration-free composite energetic microspheres taking PMMA-PVA with honeycomb structure as template via the molecular collaborative self-assembly. <i>Journal of Energetic Materials</i> , 2021, 39, 182-196.	2.0	20
23	Synthesis, thermolysis, and solid spherical of RDX/PMMA energetic composite materials. <i>Journal of Materials Science: Materials in Electronics</i> , 2019, 30, 20166-20173.	2.2	19
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. <i>Journal of Energetic Materials</i> , 2018, 36, 179-190.	2.0	17
25	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
26	Preparation and Performances of Castable HTPB/CL <sub>20</sub> Booster Explosives. <i>Propellants, Explosives, Pyrotechnics</i> , 2011, 36, 34-41.	1.6	15
27	Mechanism investigation for remarkable decreases in sensitivities from micron to nano nitroamine. <i>Nanomaterials and Nanotechnology</i> , 2016, 6, 184798041666367.	3.0	12
28	Green Preparation, Spheroidal, and Superior Property of Nano-1,3,5,7-Tetranitro-1,3,5,7-Tetrazocane. <i>Journal of Nanomaterials</i> , 2018, 2018, 1-8.	2.7	12
29	CL <sub>20</sub> Based Ultraviolet Curing Explosive Composite with High Performance. <i>Propellants, Explosives, Pyrotechnics</i> , 2019, 44, 935-940.	1.6	12
30	Preparation and Performance of Pentaerythrite Tetranitrate-Based Composites by Direct Ink Writing. <i>Propellants, Explosives, Pyrotechnics</i> , 2018, 43, 1149-1156.	1.6	11
31	Formulation of CL <sub>20</sub> -Based Explosive Ink and Its Detonating Transfer Performance in Micro-Size Charge. <i>Propellants, Explosives, Pyrotechnics</i> , 2019, 44, 1432-1439.	1.6	11
32	Study on the Influencing Factors of Ultrafine Spherical RDX during Spray Drying with Low Speed. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-10.	2.7	10
33	Fabrication and Characterization of Submicron Scale Spherical RDX, HMX, and CL-20 without Soft Agglomeration. <i>Journal of Nanomaterials</i> , 2019, 2019, 1-8.	2.7	10
34	Rapid Assembly and Preparation of Energetic Microspheres LLM <sub>105</sub> /CL <sub>20</sub> . <i>Propellants, Explosives, Pyrotechnics</i> , 2020, 45, 1269-1274.	1.6	10
35	Facile preparation and characterization of energetic hollow FOX-7/viton microspheres with improved thermal decomposition properties and reduced sensitivity. <i>Journal of Energetic Materials</i> , 2022, 40, 358-374.	2.0	10
36	Catalysis of a Nanometre Solid Super Acid of SO <sub>4</sub> <sup>2+</sup> /TiO <sub>2</sub> on the Thermal Decomposition of Ammonium Nitrate. <i>Nanomaterials and Nanotechnology</i> , 2016, 6, 23.	3.0	8

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37	Preparation and Characterization of TATB/VitonA Nanocomposites. Journal of Nanomaterials, 2018, 2018, 1-9.	2.7	8
38	Preparation and characterization of spherical submicron $\hat{\mu}$ -CL-20 via green mechanical demulsification. Journal of Energetic Materials, 2019, 37, 475-483.	2.0	8
39	Carbon-coated copper nanoparticles prepared by detonation method and their thermocatalysis on ammonium perchlorate. AIP Advances, 2017, 7, .	1.3	7
40	Preparation of functionalized GO coordination compound and its catalytic performance for thermal decomposition of ammonium perchlorate. Journal of Materials Science, 2021, 56, 19599-19613.	3.7	7
41	Multilevel strategies for the composition and formation of DAAF/HNIW composite crystals. CrystEngComm, 2021, 23, 7750-7759.	2.6	7
42	A Fractal Approach to Assess the Risks of Nitroamine Explosives. Journal of Energetic Materials, 2012, 30, 1-29.	2.0	6
43	Design and Characterization of a Cookâ€œOff Resistant Highâ€œEnergy Booster Explosive Based on CLâ€œ20/FOXâ€œ7. Propellants, Explosives, Pyrotechnics, 2019, 44, 550-556.	1.6	6
44	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
45	Fabrication and Characterization of Viton@FOX-7@Al Spherical Composite with Improved Thermal Decomposition Property and Safety Performance. Materials, 2021, 14, 1093.	2.9	6
46	Preparation and characterization of coreâ€œshell structured FOX-7/F2602 PBX with improved thermal stability and reduced sensitivity. AIP Advances, 2021, 11, 025323.	1.3	5
47	Selfâ€œAssembly Method for Insensitive DAAF/FOXâ€œ7 Composite Crystals with Microspheres Structure. Crystal Research and Technology, 2021, 56, 2000194.	1.3	5
48	Reduced sensitivity and enhanced thermal stability of ultrafine-CL-20/PDA/Estane5703 composites with double coating structure. Journal of Energetic Materials, 2024, 42, 331-347.	2.0	5
49	Preparation and Molecular Dynamics Simulation of RDX/MUF Nanocomposite Energetic Microspheres with Reduced Sensitivity. Processes, 2019, 7, 692.	2.8	4
50	Experiment study on the influencing factors of mechanical response of HMX-based PBXs in the high-g deceleration environments. Journal of Energetic Materials, 2021, 39, 33-47.	2.0	4
51	Theoretical calculation on the interaction mechanism between 2,6â€œdiaminoâ€œ3,5â€œdinitropyrazineâ€œ1,1â€œoxide and ammonium perchlorate. Journal of Energetic Materials, 2023, 41, 236-252.	2.0	4
52	CL-20/CAB energetic composite microspheres prepared by premix membrane emulsification. AIP Advances, 2020, 10, .	1.3	4
53	Preparation and characterization of nano NC/HMX composite particles. Science and Engineering of Composite Materials, 2017, 24, 123-128.	1.4	3
54	Nozzleâ€œAssisted Simultaneous Precipitation Method for Energetic FOXâ€œ7/RDX Composite Microspheres with Improved Thermal Stability and Sensitivity. Crystal Research and Technology, 2020, 55, 2000015.	1.3	3

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55	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
56	Preparation and Performance Characterization of High-Quality HNIW. <i>Propellants, Explosives, Pyrotechnics</i> , 2022, 47, .	1.6	3
57	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
58	CL-20 based energetic thin films: Micro-spray molding and micro-detonation. <i>AIP Advances</i> , 2021, 11, 065014.	1.3	1
59	Preparation, High-Density Spherical, and Low Sensitivity of RDX/NC/PMMA Composite Particles. <i>Journal of Nanomaterials</i> , 2021, 2021, 1-8.	2.7	1