

# Bing Gao

## List of Publications by Year in descending order

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Version: 2024-02-01

24  
papers

676  
citations

623734

14  
h-index

642732

23  
g-index

24  
all docs

24  
docs citations

24  
times ranked

626  
citing authors

#	ARTICLE	IF	CITATIONS
1	Design and fabrication of energetic superlattice like-PTFE/Al with superior performance and application in functional micro-initiator. <i>Nano Energy</i> , 2015, 12, 597-605.	16.0	83
2	Facile, continuous and large-scale synthesis of CL-20/HMX nano co-crystals with high-performance by ultrasonic spray-assisted electrostatic adsorption method. <i>Journal of Materials Chemistry A</i> , 2014, 2, 19969-19974.	10.3	76
3	Facile, continuous and large-scale production of core-shell HMX@TATB composites with superior mechanical properties by a spray-drying process. <i>RSC Advances</i> , 2015, 5, 21042-21049.	3.6	58
4	Gram-Scale Synthesis of Graphene Quantum Dots from Single Carbon Atoms Growth via Energetic Material Deflagration. <i>Chemistry of Materials</i> , 2015, 27, 4319-4327.	6.7	54
5	Bio-inspired Cu-alginate to smartly enhance safety performance and the thermal decomposition of ammonium perchlorate. <i>Applied Surface Science</i> , 2019, 470, 269-275.	6.1	53
6	Preparation and characterization of nano-1,1-diamino-2,2-dinitroethene (FOX-7) explosive. <i>New Journal of Chemistry</i> , 2014, 38, 2334-2341.	2.8	40
7	Formulation and performance of functional sub-micro CL-20-based energetic polymer composite ink for direct-write assembly. <i>RSC Advances</i> , 2016, 6, 112325-112331.	3.6	37
8	3D Printing of Micro-Architected Al/CuO-Based Nanothermite for Enhanced Combustion Performance. <i>Advanced Engineering Materials</i> , 2019, 21, 1900825.	3.5	34
9	Additive manufacturing and combustion performance of CL-20 composites. <i>Journal of Materials Science</i> , 2020, 55, 2836-2845.	3.7	28
10	Solid-solid phase transition study of $\mu$ -CL-20/binder composites. <i>RSC Advances</i> , 2016, 6, 859-865.	3.6	26
11	In situ synthesis of cobalt alginate/ammonium perchlorate composite and its low temperature decomposition performance. <i>Journal of Solid State Chemistry</i> , 2018, 258, 718-721.	2.9	24
12	Ultrasonic-assisted emulsion synthesis of well-distributed spherical composite CL-20@PNA with enhanced high sensitivity. <i>Materials Letters</i> , 2017, 205, 94-97.	2.6	19
13	A novel preparation method for drug nanocrystals and characterization by ultrasonic spray assisted electrostatic adsorption. <i>International Journal of Nanomedicine</i> , 2013, 8, 3927.	6.7	18
14	Controlled synthesis of porous Co <sub>3</sub> O <sub>4</sub> -C hybrid nanosheet arrays and their application in lithium ion batteries. <i>RSC Advances</i> , 2014, 4, 30573-30578.	3.6	16
15	Facile fabrication of porous CL-20 for low sensitivity high explosives. <i>Physical Chemistry Chemical Physics</i> , 2014, 16, 23540-23543.	2.8	14
16	Construction of environment-friendly core-shell ammonium perchlorate@1,3,5-triamino-2,4,6-trinitrobenzene composites with high safety and excellent thermal decomposition properties. <i>Materials and Design</i> , 2020, 191, 108666.	7.0	14
17	3D printing of RDX-based aluminized high explosives with gradient structure, significantly altering the critical dimensions. <i>Journal of Materials Science</i> , 2021, 56, 9171-9182.	3.7	14
18	Preparation of CL-20 Explosive Nanoparticles and Their Thermal Decomposition Property. <i>Journal of Nanomaterials</i> , 2016, 2016, 1-7.	2.7	12

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19	Emulsion synthesis of CL-20/DNA composite with excellent superfine spherical improved sensitivity performance via a combined ultrasonic-microwave irradiation approach. <i>Journal of Materials Science</i> , 2018, 53, 14231-14240.	3.7	11
20	Synthesis, Characterization, and Sensitivity of a CL-20/PNCB Spherical Composite for Security. <i>Materials</i> , 2018, 11, 1130.	2.9	11
21	Review on Nanoexplosive Materials. , 2019, , 31-79.		11
22	3D Printing of Al/Polytetrafluoroethylene-Based Energy Composites with Excellent Combustion Stability. <i>Advanced Engineering Materials</i> , 2021, 23, 2001252.	3.5	9
23	3D printing of hollow fiber nanothermites with cavity-mediated self-accelerating combustion. <i>Journal of Applied Physics</i> , 2021, 129, .	2.5	8
24	Preparation and characterization of nano amitriptyline hydrochloride particles by spray freeze drying. <i>Nanomedicine</i> , 2019, 14, 1521-1531.	3.3	6