Bing Gao

List of Publications by Year
in descending order

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24	676	623734 14	642732 23
papers	citations	h-index	g-index

24	24	24	626
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	3D printing of RDX-based aluminized high explosives with gradient structure, significantly altering the critical dimensions. Journal of Materials Science, 2021, 56, 9171-9182.	3.7	14
2	3D Printing of nâ€Al/Polytetrafluoroethyleneâ€Based Energy Composites with Excellent Combustion Stability. Advanced Engineering Materials, 2021, 23, 2001252.	3.5	9
3	3D printing of hollow fiber nanothermites with cavity-mediated self-accelerating combustion. Journal of Applied Physics, 2021, 129, .	2.5	8
4	Additive manufacturing and combustion performance of CL-20 composites. Journal of Materials Science, 2020, 55, 2836-2845.	3.7	28
5	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. Materials and Design, 2020, 191, 108666.	7.0	14
6	Preparation and characterization of nano amitriptyline hydrochloride particles by spray freeze drying. Nanomedicine, 2019, 14, 1521-1531.	3.3	6
7	3D Printing of Microâ€Architected Al/CuOâ€Based Nanothermite for Enhanced Combustion Performance. Advanced Engineering Materials, 2019, 21, 1900825.	3.5	34
8	Bio-inspired Cu-alginate to smartly enhance safety performance and the thermal decomposition of ammonium perchlorate. Applied Surface Science, 2019, 470, 269-275.	6.1	53
9	Review on Nanoexplosive Materials. , 2019, , 31-79.		11
10	In situ synthesis of cobalt alginate/ammonium perchlorate composite and its low temperature decomposition performance. Journal of Solid State Chemistry, 2018, 258, 718-721.	2.9	24
11	Emulsion synthesis of CL-20/DNA composite with excellent superfine spherical improved sensitivity performance via a combined ultrasonicâ€“microwave irradiation approach. Journal of Materials Science, 2018, 53, 14231-14240.	3.7	11
12	Synthesis, Characterization, and Sensitivity of a CL-20/PNCB Spherical Composite for Security. Materials, 2018, 11, 1130.	2.9	11
13	Ultrasonic-assisted emulsion synthesis of well-distributed spherical composite CL-20@PNA with enhanced high sensitivity. Materials Letters, 2017, 205, 94-97.	2.6	19
14	Preparation of CL-20 Explosive Nanoparticles and Their Thermal Decomposition Property. Journal of Nanomaterials, 2016, 2016, 1-7.	2.7	12
15	Formulation and performance of functional sub-micro CL-20-based energetic polymer composite ink for direct-write assembly. RSC Advances, 2016, 6, 112325-112331.	3.6	37
16	Solidâ€“solid phase transition study of Îµ-CL-20/binder composites. RSC Advances, 2016, 6, 859-865.	3.6	26
17	Facile, continuous and large-scale production of coreâ€“shell HMX@TATB composites with superior mechanical properties by a spray-drying process. RSC Advances, 2015, 5, 21042-21049.	3.6	58
18	Gram-Scale Synthesis of Graphene Quantum Dots from Single Carbon Atoms Growth via Energetic Material Deflagration. Chemistry of Materials, 2015, 27, 4319-4327.	6.7	54

#	Article	IF	Citations
19	Design and fabrication of energetic superlattice like-PTFE/Al with superior performance and application in functional micro-initiator. Nano Energy, 2015, 12, 597-605.	16.0	83
20	Preparation and characterization of nano-1,1-diamino-2,2-dinitroethene (FOX-7) explosive. New Journal of Chemistry, 2014, 38, 2334-2341.	2.8	40
21	Controlled synthesis of porous Co3O4â€“C hybrid nanosheet arrays and their application in lithium ion batteries. RSC Advances, 2014, 4, 30573-30578.	3.6	16
22	Facile, continuous and large-scale synthesis of CL-20/HMX nano co-crystals with high-performance by ultrasonic spray-assisted electrostatic adsorption method. Journal of Materials Chemistry A, 2014, 2, 19969-19974.	10.3	76
23	Facile fabrication of porous CL-20 for low sensitivity high explosives. Physical Chemistry Chemical Physics, 2014, 16, 23540-23543.	2.8	14
24	A novel preparation method for drug nanocrystals and characterization by ultrasonic spray assisted electrostatic adsorption. International Journal of Nanomedicine, 2013, 8, 3927.	6.7	18