

Wei Cao

List of Publications by Year in descending order

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papers

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1040056

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docs citations

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#	ARTICLE	IF	CITATIONS
1	Laser ignition and combustion characteristics of micro- and nano-sized boron under different atmospheres and pressures. <i>Combustion and Flame</i> , 2021, 230, 111420.	5.2	33
2	Effects of substrate temperature on the crystallization process and properties of mixed-ion perovskite layers. <i>Journal of Materials Chemistry A</i> , 2019, 7, 2804-2811.	10.3	24
3	Detonation Characteristics of an Aluminized Explosive Added with Boron and Magnesium Hydride. <i>Propellants, Explosives, Pyrotechnics</i> , 2019, 44, 1393-1399.	1.6	22
4	Experimental investigation of near-limit gaseous detonations in small diameter spiral tubing. <i>Proceedings of the Combustion Institute</i> , 2019, 37, 3555-3563.	3.9	19
5	Fabrication of gradient structured HMX/Al and its combustion performance. <i>Combustion and Flame</i> , 2021, 226, 222-228.	5.2	19
6	Design, Synthesis and High HER Performances of 3D Ni/Mo Sulfide on Ni Foam. <i>ChemCatChem</i> , 2020, 12, 1647-1652.	3.7	18
7	Laser ablation of aluminized RDX with added ammonium perchlorate or ammonium perchlorate/boron/magnesium hydride. <i>Combustion and Flame</i> , 2020, 221, 194-200.	5.2	15
8	Electrostatic Hazards Assessment of Nitramine Explosives: Resistivity, Charge Accumulation and Discharge Sensitivity. <i>Central European Journal of Energetic Materials</i> , 2016, 13, 755-769.	0.4	13
9	Laser ignition and combustion characteristics of B-Al compound powder without and with HMX: A comparative study. <i>Aerospace Science and Technology</i> , 2022, 120, 107268.	4.8	11
10	Shock Initiation of Nano-TATB Explosives under Short-Duration Pulses. <i>Propellants, Explosives, Pyrotechnics</i> , 2019, 44, 138-143.	1.6	10
11	Thermally Stable and Low-Sensitive Aluminized Explosives with Improved Detonation Performance. <i>Propellants, Explosives, Pyrotechnics</i> , 2021, 46, 1428-1435.	1.6	10
12	Effect of microstructure on short pulse duration shock initiation of TATB and initial response mechanism. <i>Defence Technology</i> , 2020, 16, 374-380.	4.2	8
13	Numerical investigation of self-sustaining modes of 2D planar detonations under concentration gradients in hydrogen-oxygen mixtures. <i>International Journal of Hydrogen Energy</i> , 2020, 45, 29606-29615.	7.1	8
14	Study on Energy Output Characteristics of Explosives Containing B/Al in the Air Blast. <i>Combustion, Explosion and Shock Waves</i> , 2019, 55, 723-731.	0.8	7
15	Experimental study and numerical simulation of the corner turning of TATB based and CL-20 based polymer bonded explosives. <i>Combustion, Explosion and Shock Waves</i> , 2016, 52, 719-726.	0.8	6
16	Evaluation of detonation performance and working capacity of explosives by optimized VLW EOS. <i>Combustion and Flame</i> , 2022, 235, 111734.	5.2	5
17	Fragment-interconnected nitrogen-doped porous carbon nanosheets loaded with platinum group metals for highly boosted hydrogen evolution reaction in alkaline solution. <i>Journal of Colloid and Interface Science</i> , 2022, 605, 528-536.	9.4	5
18	Energy Performance of HMX-Based Aluminized Explosives Containing Polytetrafluoroethylene (PTFE). <i>Propellants, Explosives, Pyrotechnics</i> , 2022, 47, .	1.6	5

#	ARTICLE	IF	CITATIONS
19	Experimental study and numerical simulation of the afterburning of TNT by underwater explosion method. <i>Shock Waves</i> , 2014, 24, 619-624.	1.9	4
20	Time-resolved imaging and spectroscopy diagnostic of aluminized RDX and pure RDX under nanosecond laser ablation. <i>AIP Advances</i> , 2019, 9, 035250.	1.3	4
21	Experimental study of reaction properties of aluminum/polytetrafluoroethylene powder under laser ablation. <i>AIP Advances</i> , 2021, 11, 085010.	1.3	4
22	Near-limit detonations of methane-oxygen mixtures in long narrow tubes. <i>Shock Waves</i> , 2020, 30, 713-719.	1.9	3
23	Measurement of Afterburning Effect of Underoxidized Explosives by Underwater Explosion Method. <i>Journal of Energetic Materials</i> , 2015, 33, 116-124.	2.0	2
24	Highly efficient nanocatalyst Ni ₁ Co ₉ @graphene for hydrolytic dehydrogenation of sodium borohydride. <i>International Journal of Minerals, Metallurgy and Materials</i> , 2021, 28, 1976-1982.	4.9	2
25	Calculating detonation performance of explosives by VLWR thermodynamics code introduced with universal VINET equation of state. <i>Defence Technology</i> , 2022, 18, 1041-1051.	4.2	1
26	An effective strategy to improve combustion and pressure output performance of HMX/Al. <i>Combustion and Flame</i> , 2022, 244, 112281.	5.2	1
27	Fabrication and Optimization Design of Multilayer Flyer Plates for Laser-Driven Loading. <i>Laser and Particle Beams</i> , 2022, 2022, .	1.0	0