

Weidong He

List of Publications by Year in descending order

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12
papers

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1478505

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#	ARTICLE	IF	CITATIONS
1	3D printing of gun propellants based on laminated object manufacturing. <i>Materials and Manufacturing Processes</i> , 2022, 37, 1246-1256.	4.7	6
2	Biomimetic-Inspired One-Step Strategy for Improvement of Interfacial Interactions in Cellulose Nanofibers by Modification of the Surface of Nitramine Explosives. <i>Langmuir</i> , 2021, 37, 8486-8497.	3.5	14
3	Bio-Inspired Synthesis of Energetic Microcapsules Core-Shell Structured with Improved Thermal Stability and Reduced Sensitivity via In Situ Polymerization for Application Potential in Propellants. <i>Advanced Materials Interfaces</i> , 2021, 8, 2101248.	3.7	8
4	Process Optimization of Supercritical CO ₂ Foamed SF ₃ Double-Base Propellant. <i>Propellants, Explosives, Pyrotechnics</i> , 2020, 45, 20-25.	1.6	5
5	Redispersibility of cellulose nanoparticles modified by phenyltrimethoxysilane and its application in stabilizing Pickering emulsions. <i>Journal of Materials Science</i> , 2019, 54, 11713-11725.	3.7	19
6	Research on Preparation of Perfusion Explosive Using Foamed SF-3 Double-Base Propellant. <i>Propellants, Explosives, Pyrotechnics</i> , 2017, 42, 1179-1184.	1.6	4
7	Emulation and Calculation of the Burning Surface of 3D Grains of Partially Cut Multi-Perforated Stick Propellant using the Level Set Method. <i>Propellants, Explosives, Pyrotechnics</i> , 2016, 41, 148-153.	1.6	7
8	Thermal Stability and Underwater Energy of Water Gel Explosive Using Expired Single-Base Propellants as Ingredients. <i>Journal of Energetic Materials</i> , 2014, 32, S51-S59.	2.0	2
9	Experimental design of 25 mm integrated simulator for small scale plasma-propellant charge matching test. , 2012, , .		1
10	Experimental Studies of Propellant Loading Parameters and Plasma Flow-Field Interactions. <i>IEEE Transactions on Magnetics</i> , 2009, 45, 514-517.	2.1	7
11	Experimental Studies of Propellant Loading Parameters and Plasma Flow-Field Interactions. , 2008, , .		0
12	Synthesis, morphology, component distribution, and mechanical properties of nitrocellulose/gradient poly(ethylene glycol dimethacrylate) semi-IPN material. <i>Journal of Applied Polymer Science</i> , 2007, 105, 510-514.	2.6	13