

Wei Yang

List of Publications by Year in descending order

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342
citing authors

#	ARTICLE	IF	CITATIONS
1	Free energy simulations: Use of reverse cumulative averaging to determine the equilibrated region and the time required for convergence. <i>Journal of Chemical Physics</i> , 2004, 120, 2618-2628.	3.0	95
2	Structure-Performance Relationship in Thermally Stable Energetic Materials: Tunable Physical Properties of Benzopyridotetraazapentalene by Incorporating Amino Groups, Hydrogen Bonding, and π - π Interactions. <i>Crystal Growth and Design</i> , 2020, 20, 2106-2114.	3.0	43
3	Chaperoned alchemical free energy simulations: A general method for QM, MM, and QM/MM potentials. <i>Journal of Chemical Physics</i> , 2004, 120, 9450-9453.	3.0	39
4	Formation of trinitromethyl functionalized 1,2,4-triazole-based energetic ionic salts and a zwitterionic salt directed by an intermolecular and intramolecular metathesis strategy. <i>New Journal of Chemistry</i> , 2018, 42, 2376-2380.	2.8	24
5	Fabrication of UV-curable silicone coating with high transmittance and laser-induced damage threshold for high-power laser system. <i>Journal of Sol-Gel Science and Technology</i> , 2018, 88, 249-254.	2.4	20
6	Polymorphism in a Nonsensitive-High-Energy Material: Discovery of a New Polymorph and Crystal Structure of 4,4'-,5,5'-Tetranitro-1 <i>H</i> ,1'-[2,2'-biimidazole]-1,1'-diamine. <i>Crystal Growth and Design</i> , 2020, 20, 8005-8014.	2.3	20
7	Energetic 1 <i>H</i> -imidazo[4,5- <i>d</i>]pyridazine-2,4,7-triamine: A Novel Nitrogen-rich Fused Heterocyclic Cation with High Density. <i>Crystal Growth and Design</i> , 2020, 20, 3406-3412.	3.0	15
8	Heat-Resistant Energetic Materials Deriving from Benzopyridotetraazapentalene: Halogen Bonding Effects on the Outcome of Crystal Structure, Thermal Stability and Sensitivity. <i>Propellants, Explosives, Pyrotechnics</i> , 2021, 46, 593-599.	1.6	7
9	Constructing Heat-Resistant and Insensitive Energetic Compounds with the Introduction of Cyano Group into Fused Pyrazolotriazine Skeleton. <i>Crystal Growth and Design</i> , 2022, 22, 334-340.	3.0	7
10	Template-Free Fabrication of Refractive Index Tunable Polysiloxane Coating Using Homogeneous Embedding Strategy: Application in High-Power Laser System. <i>Nanomaterials</i> , 2020, 10, 381.	4.1	6
11	Synthesis, and single crystal structure of fully-substituted polynitrobenzene derivatives for high-energy materials. <i>RSC Advances</i> , 2018, 8, 2203-2208.	3.6	4
12	Silica-Based Sol-Gel Coating with High Transmission at 1053 and 527 nm and Absorption at 351 nm for Frequency-Converting Crystals in High-Power Laser System. <i>Applied Sciences (Switzerland)</i> , 2019, 9, 5038.	2.5	4
13	Preparation of polysiloxane coating for laser application with improved curing property based on copolymerization modification. <i>Journal of Coatings Technology Research</i> , 2022, 19, 1233-1241.	2.5	4