

Ji-Min Han

List of Publications by Year in descending order

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papers

559
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840776

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27
docs citations

27
times ranked

685
citing authors

#	ARTICLE	IF	CITATIONS
1	Low Dose Detection of $\hat{\text{I}}^3$ Radiation via Solvent Assisted Fluorescence Quenching. <i>Journal of the American Chemical Society</i> , 2014, 136, 5090-5096.	13.7	76
2	Fluorescence Ratiometric Sensor for Trace Vapor Detection of Hydrogen Peroxide. <i>ACS Applied Materials & Interfaces</i> , 2014, 6, 8708-8714.	8.0	67
3	A selective fluorescence turn-on sensor for trace vapor detection of hydrogen peroxide. <i>Chemical Communications</i> , 2013, 49, 11779.	4.1	63
4	Fabrication of Copper Azide Film through Metal-Organic Framework for Micro-Initiator Applications. <i>ACS Applied Materials & Interfaces</i> , 2019, 11, 8081-8088.	8.0	53
5	A Mechanically Interlocked [3]Rotaxane as a Light-Harvesting Antenna: Synthesis, Characterization, and Intramolecular Energy Transfer. <i>Chemistry - A European Journal</i> , 2009, 15, 3585-3594.	3.3	49
6	Isomeric Effect on Microscale Self-Assembly: Interplay between Molecular Property and Solvent Polarity in the Formation of D_{2n} Type Microbelts. <i>Chemistry - A European Journal</i> , 2008, 14, 7760-7764.	3.3	33
7	Nanoscale Homogeneous Energetic Copper Azides@Porous Carbon Hybrid with Reduced Sensitivity and High Ignition Ability. <i>ACS Applied Materials & Interfaces</i> , 2018, 10, 22545-22551.	8.0	33
8	Synthesis of Energetic Complexes $[\text{Co}(\text{en})(\text{H}_2\text{BTI})_2]_2$ and $[\text{Cu}(\text{en})(\text{HBTI})_2]_2$ and Catalytic Study on Thermal Decomposition of Ammonium Perchlorate. <i>Propellants, Explosives, Pyrotechnics</i> , 2019, 44, 816-820.	1.6	24
9	Smart Macrocyclic Molecules: Induced Fit and Ultrafast Self-Sorting Inclusion Behavior through Dynamic Covalent Chemistry. <i>Chemistry - A European Journal</i> , 2010, 16, 13850-13861.	3.3	22
10	$\hat{\text{I}}^3$ radiation induced self-assembly of fluorescent molecules into nanofibers: a stimuli-responsive sensing. <i>Journal of Materials Chemistry C</i> , 2015, 3, 4345-4351.	5.5	21
11	Preparation of a nanoscale homogeneous energetic lead azides@porous carbon hybrid with high ignition ability by <i>in situ</i> synthesis. <i>RSC Advances</i> , 2020, 10, 14347-14352.	3.6	11
12	Molding fabrication of copper azide/porous graphene with high electrostatic safety by self-assembly of graphene oxide. <i>Nanotechnology</i> , 2021, 32, 385704.	2.6	11
13	Molding preparation and research on performance of low-electrostatic-sensitivity, high-output carbon-based copper azide based on metal-organic framework/graphene oxide. <i>Journal of Materials Science</i> , 2021, 56, 15268-15277.	3.7	11
14	Main-chain hyperbranched polyrotaxane: Synthesis, photophysical properties, and energy funnel. <i>Polymer</i> , 2012, 53, 3704-3711.	3.8	10
15	Main-Chain Linear Polyrotaxanes: Synthesis, Characterization, and Conformational Modulation. <i>Chemistry - A European Journal</i> , 2013, 19, 1502-1510.	3.3	10
16	Ligand exchange based molecular doping in 2D hybrid molecule-nanoparticle arrays: length determines exchange efficiency and conductance. <i>Molecular Systems Design and Engineering</i> , 2017, 2, 440-448.	3.4	8
17	Expedite Fluorescent Sensor Prototype for Hydrogen Peroxide Detection with Long-Life Test Substrates. <i>ACS Omega</i> , 2021, 6, 11447-11457.	3.5	8
18	Facile Synthesis of Energetic Nanoparticles of Copper Azide with High Initiation Ability for Micro-Initiator Applications Using Layered Copper Hydroxide. <i>Inorganic Chemistry</i> , 2022, 61, 9096-9103.	4.0	8

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19	Energy Transfer and Concentration-Dependent Conformational Modulation: A Porphyrin-Containing [3]Rotaxane. <i>Chemistry - an Asian Journal</i> , 2012, 7, 2429-2437.	3.3	7
20	Fabrication of a nanoscale homogeneous lead azide@carbon fiber film with low electrostatic sensitivity by <i>in situ</i> synthesis. <i>New Journal of Chemistry</i> , 0, , .	2.8	7
21	Fluorescent detection of HCl in halogenated solvents <i>via</i> photoinduced electron transfer: towards efficient gamma radiation detection. <i>New Journal of Chemistry</i> , 2020, 44, 11256-11261.	2.8	6
22	Wide range modulation of synaptic weight in thin-film transistors with hafnium oxide gate insulator and indium-zinc oxide channel layer for artificial synapse application. <i>Nanoscale</i> , 2021, 13, 11370-11379.	5.6	5
23	Preparation of modified lead azide compound with high ignition ability based on graphene oxide. <i>Materials Letters</i> , 2022, 314, 131747.	2.6	5
24	Expeditious base-free solid-state reaction between phenyl boronates and hydrogen peroxide on silica gel. <i>Reaction Chemistry and Engineering</i> , 2022, 7, 741-749.	3.7	4
25	Fabrication of nanoscale core-shell structured lead azide/porous carbon based on a metal-organic framework with high safety performance. <i>New Journal of Chemistry</i> , 2022, 46, 4864-4870.	2.8	4
26	Synthesis and characterization of an electron-deficient conjugated polymer based on pyridine-flanked diketopyrrolopyrrole. <i>RSC Advances</i> , 2021, 11, 12995-13003.	3.6	2
27	Five high-nitrogen ion salts based on 4,5-Bis(1H-tetrazol-5-yl)-1H-imidazole: Syntheses, structures and thermal properties. <i>Main Group Chemistry</i> , 2020, 19, 105-116.	0.8	1