

Song Siwei

List of Publications by Year in descending order

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Version: 2024-02-01

16
papers

654
citations

933447

10
h-index

996975

15
g-index

16
all docs

16
docs citations

16
times ranked

519
citing authors

#	ARTICLE	IF	CITATIONS
1	Accelerating the discovery of insensitive high-energy-density materials by a materials genome approach. <i>Nature Communications</i> , 2018, 9, 2444.	12.8	245
2	Stabilization of the Pentazolate Anion in a Zeolitic Architecture with Na ₂₀ N ₆₀ and Na ₂₄ N ₆₀ Nanocages. <i>Angewandte Chemie - International Edition</i> , 2018, 57, 2592-2595.	13.8	100
3	Hunting for advanced high-energy-density materials with well-balanced energy and safety through an energetic host-guest inclusion strategy. <i>Journal of Materials Chemistry A</i> , 2019, 7, 19248-19257.	10.3	69
4	A promising hydrogen peroxide adduct of ammonium cyclopentazolate as a green propellant component. <i>Journal of Materials Chemistry A</i> , 2020, 8, 12334-12338.	10.3	41
5	Accelerating the discovery of energetic melt-castable materials by a high-throughput virtual screening and experimental approach. <i>Journal of Materials Chemistry A</i> , 2021, 9, 21723-21731.	10.3	37
6	[LiNa(N ₅) ₂ (H ₂ O) ₄] \cdot H ₂ O: a novel heterometallic cyclo- $\{N_5\}$ framework with helical chains. <i>Science China Materials</i> , 2019, 62, 283-288.	6.3	29
7	Decoding the crystal engineering of graphite-like energetic materials: from theoretical prediction to experimental verification. <i>Journal of Materials Chemistry A</i> , 2020, 8, 5975-5985.	10.3	26
8	Energetic isomers of bridged oxadiazole nitramines: the effect of asymmetric heterocyclics on stability and energetic properties. <i>Dalton Transactions</i> , 2021, 50, 13286-13293.	3.3	22
9	Machine Learning-Assisted High-Throughput Virtual Screening for On-Demand Customization of Advanced Energetic Materials. <i>Engineering</i> , 2022, 10, 99-109.	6.7	18
10	Ultrasound-assisted extraction of bioactive alkaloids from <i>Phellodendri amurensis</i> cortex using deep eutectic solvent aqueous solutions. <i>New Journal of Chemistry</i> , 2020, 44, 9172-9178.	2.8	17
11	Effects of alkyl chains on the physicochemical properties of nitroguanidine derivatives. <i>Energetic Materials Frontiers</i> , 2020, 1, 157-164.	3.2	12
12	Hunting for Energetic Complexes as Hypergolic Promoters for Green Propellants Using Hydrogen Peroxide as Oxidizer. <i>Inorganic Chemistry</i> , 2021, 60, 17033-17039.	4.0	11
13	Theoretical insight into density and stability differences of RDX, HMX and CL-20. <i>CrystEngComm</i> , 2022, 24, 1537-1545.	2.6	11
14	Unearthing hidden hypergolic potential of energetic complexes with hydrogen peroxide. <i>Combustion and Flame</i> , 2022, 244, 112235.	5.2	9
15	New Insight into the Aromaticity of <i>cyclo</i> -N ₅ ⁺ by Constructing 3D Arrays in Crystal Structures. <i>Crystal Growth and Design</i> , 2021, 21, 33-39.	3.0	7
16	Molecular and crystal insights into the structural design of low-sensitivity energetic materials. <i>Theoretical and Computational Chemistry</i> , 2022, , 435-458.	0.4	0