

Jun-Lin Zhang

List of Publications by Year in descending order

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Version: 2024-02-01

25
papers

450
citations

1039880

9
h-index

713332

21
g-index

28
all docs

28
docs citations

28
times ranked

287
citing authors

#	ARTICLE	IF	CITATIONS
1	Recent synthetic efforts towards high energy density materials: How to design high-performance energetic structures?. <i>FirePhysChem</i> , 2022, 2, 83-139.	1.5	74
2	Thermal studies of novel molecular perovskite energetic material (C ₆ H ₁₄ N ₂)[NH ₄ (ClO ₄) ₃]. <i>Chinese Chemical Letters</i> , 2020, 31, 554-558.	4.8	54
3	Energetic materials based on poly furazan and furoxan structures. <i>Chinese Chemical Letters</i> , 2020, 31, 2375-2394.	4.8	52
4	Synthesis of α,β -unsaturated carbonyl compounds via a visible-light-promoted organocatalytic aerobic oxidation. <i>Chemical Communications</i> , 2013, 49, 11662.	2.2	50
5	New Strategy for Enhancing Energetic Properties by Regulating Trifuroxan Configuration: 3,4-Bis(3-nitrofuroxan-4-yl)furoxan. <i>Scientific Reports</i> , 2019, 9, 4321.	1.6	35
6	Exploring the highly dense energetic materials via regiochemical modulation: A comparative study of two fluorodinitromethyl-functionalized herringbone trifuroxans. <i>Chemical Engineering Journal</i> , 2020, 391, 123573.	6.6	28
7	Diastereoselective Synthesis of Cyclopentanoids: Applications to the Construction of the ABCD Tetracyclic Core of Retigeranic Acid...A. <i>Chemistry - A European Journal</i> , 2015, 21, 12596-12600.	1.7	27
8	Research on the thermal behavior of novel heat resistance explosive 5,5-bis(2,4,6-trinitrophenyl)-2,2-bis(1,3,4-oxadiazole). <i>Journal of Analytical and Applied Pyrolysis</i> , 2018, 129, 189-194.	2.6	20
9	A promising insensitive energetic material based on a fluorodinitromethyl explosophore group and 1,2,3,4-tetrahydro-1,3,5-triazine: synthesis, crystal structure and performance. <i>RSC Advances</i> , 2020, 10, 11816-11822.	1.7	10
10	Synthetic Strategies Toward Nitrogen-Rich Energetic Compounds Via the Reaction Characteristics of Cyanofurazan/Furoxan. <i>Frontiers in Chemistry</i> , 2022, 10, 871684.	1.8	10
11	Synthetic and thermal studies of four insensitive energetic materials based on oxidation of the melamine structure. <i>RSC Advances</i> , 2021, 11, 288-295.	1.7	9
12	Synthesis and Properties of the Fused Aza-polynitrocyclic Compounds. <i>Chinese Journal of Organic Chemistry</i> , 2016, 36, 1197.	0.6	9
13	Synthesis, Characterization and Performance of Promising Energetic Materials Based on 1,3-Oxazinane. <i>ChemPlusChem</i> , 2019, 84, 913-918.	1.3	8
14	Effect of Fluoro Substituents on Polynitroarylenes: Design, Synthesis and Theoretical Studies of Fluorinated Nitrotoluenes. <i>ChemPlusChem</i> , 2019, 84, 92-97.	1.3	8
15	Comparative thermal research on chlorodinitromethyl and fluorodinitromethyl explosophoric groups based insensitive energetic materials. <i>FirePhysChem</i> , 2021, 1, 54-60.	1.5	8
16	A Synthetic Route to The Core Structure of (α^*)-Retigeranic Acid A. <i>Organic Letters</i> , 2021, 23, 5092-5097.	2.4	8
17	Transformation and Stability of <i>N,N'</i> -Nitrodiethanolamine Dinitrate Nitration Liquid System under Thermal and Mechanical Stimulation. <i>ChemistryOpen</i> , 2018, 7, 527-532.	0.9	7
18	Comparative Studies on Thermal Decompositions of Dinitropyrazole-Based Energetic Materials. <i>Molecules</i> , 2021, 26, 7004.	1.7	7

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19	Comparative Thermal Research on Energetic Molecular Perovskite Structures. <i>Molecules</i> , 2022, 27, 805.	1.7	7
20	Synthesis and characterization of two 1,2,4-oxadiazole-furazan-based nitrate ester compounds as potential energetic plasticizers. <i>FirePhysChem</i> , 2023, 3, 16-22.	1.5	5
21	Comparative thermal research on tetraazapentalene-derived heat-resistant energetic structures. <i>Scientific Reports</i> , 2020, 10, 21757.	1.6	4
22	The effect of pH on the coordination sphere of Pb(II) ions and structural diversity of Pb(II) coordination polymers. <i>Journal of Solid State Chemistry</i> , 2021, 303, 122475.	1.4	4
23	Synthesis and properties of azamonocyclic energetic materials with geminal explosophores. <i>Dalton Transactions</i> , 2021, 50, 8338-8348.	1.6	3
24	Synthesis of Energetic 7-Nitro-3,5-dihydro-4H-pyrazolo[4,3-d][1,2,3]triazin-4-one Based on a Novel Hofmann-Type Rearrangement. <i>Molecules</i> , 2021, 26, 7319.	1.7	3
25	Comparative Research on Promising Energetic 1,3-Diazinane and 1,3-Oxazinane Structures. <i>Arabian Journal of Chemistry</i> , 2022, , 103947.	2.3	0