

Ming Lu

List of Publications by Year in descending order

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157
papers

3,591
citations

159573

30
h-index

168376

53
g-index

160
all docs

160
docs citations

160
times ranked

2572
citing authors

#	ARTICLE	IF	CITATIONS
1	Synthesis and characterization of the pentazolate anion cyclo-N_5^- in (N) Tj ETQq1 1 0.784314 rgBT /Overloc Science, 2017, 355, 374-376.	12.6	386
2	A series of energetic metal pentazolate hydrates. Nature, 2017, 549, 78-81.	27.8	340
3	Recent advances in the syntheses and properties of polynitrogen pentazolate anion cyclo-N_5^+ and its derivatives. Chemical Society Reviews, 2018, 47, 7522-7538.	38.1	127
4	A series of energetic cyclo-N_5^- pentazolate salts: rapid synthesis, characterization, and promising performance. Journal of Materials Chemistry A, 2019, 7, 12468-12479.	10.3	105
5	Selective oxidation of benzyl alcohol under solvent-free condition with gold nanoparticles encapsulated in metal-organic framework. Applied Catalysis A: General, 2014, 477, 125-131.	4.3	96
6	Stabilization of the Pentazolate Anion in Three Anhydrous and Metal-Free Energetic Salts. Chemistry - an Asian Journal, 2018, 13, 924-928.	3.3	77
7	Amino-tetrazole functionalized fused triazolo-triazine and tetrazolo-triazine energetic materials. Chemical Communications, 2019, 55, 6062-6065.	4.1	77
8	A carbon-free inorganic-metal complex consisting of an all-nitrogen pentazole anion, a $\text{Zn}(\text{SCP})_2$ cation and H_2O . Dalton Transactions, 2017, 46, 14088-14093.	3.3	76
9	Self-assembled energetic 3D metal-organic framework $[\text{Na}_8(\text{N}_5)_8(\text{H}_2\text{O})_3]_n$ based on cyclo-N_5^+ . Dalton Transactions, 2018, 47, 1398-1401.	3.3	76
10	Moisture-induced degradation and its mechanism of $(\text{Sr,Ca})\text{AlSi}_3\text{N}_5:\text{Eu}^{2+}$, a red-color-converter for solid state lighting. Journal of Materials Chemistry C, 2015, 3, 3181-3188.	5.5	75
11	Syntheses, Crystal Structures and Properties of a Series of 3D Metal-Inorganic Frameworks Containing Pentazolate Anion. Chemistry - an Asian Journal, 2018, 13, 1669-1673.	3.3	65
12	Controllable Hydrothermal Synthesis of Ni/Co MOF as Hybrid Advanced Electrode Materials for Supercapacitor. Journal of the Electrochemical Society, 2019, 166, A1799-A1805.	2.9	62
13	Combination of four oxadiazole rings for the generation of energetic materials with high detonation performance, low sensitivity and excellent thermal stability. Journal of Materials Chemistry A, 2017, 5, 11063-11070.	10.3	54
14	In situ synthesized 3D metal-organic frameworks (MOFs) constructed from transition metal cations and tetrazole derivatives: a family of insensitive energetic materials. Dalton Transactions, 2017, 46, 11046-11052.	3.3	50
15	Embellishing bis-1,2,4-triazole with four nitroamino groups: advanced high-energy-density materials with remarkable performance and good stability. Journal of Materials Chemistry A, 2020, 8, 11752-11760.	10.3	50
16	Self-assembled energetic coordination polymers based on multidentate pentazole cyclo-N_5^- . Science China Materials, 2019, 62, 122-129.	6.3	46
17	$\text{C}_8\text{N}_{12}\text{O}_8$: A Promising Insensitive High-Energy-Density Material. Crystal Growth and Design, 2018, 18, 6150-6154.	3.0	44
18	[N=N=N]-linked fused triazoles with π - π stacking and hydrogen bonds: Towards thermally stable, insensitive, and highly energetic materials. Chemical Engineering Journal, 2021, 406, 126817.	12.7	43

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19	Synthesis of novel magnetic silica supported hybrid ionic liquid combining TEMPO and polyoxometalate and its application for selective oxidation of alcohols. <i>RSC Advances</i> , 2012, 2, 8265.	3.6	41
20	β -cyclodextrin-capped palladium nanoparticle-catalyzed ligand-free Suzuki and Heck couplings in low-melting β -cyclodextrin/NMU mixtures. <i>Applied Organometallic Chemistry</i> , 2014, 28, 635-640.	3.5	40
21	Hydrogen Bonding Network: Stabilization of the Pentazolate Anion in Two Nonmetallic Energetic Salts. <i>Crystal Growth and Design</i> , 2019, 19, 1853-1859.	3.0	39
22	1-Nitro-2-trinitromethyl substituted imidazoles: a new family of high performance energetic materials. <i>Journal of Materials Chemistry A</i> , 2016, 4, 17791-17800.	10.3	38
23	Dancing with 5-substituted monotetrazoles, oxygen-rich ions, and silver: towards primary explosives with positive oxygen balance and excellent energetic performance. <i>Journal of Materials Chemistry A</i> , 2019, 7, 4611-4618.	10.3	38
24	Azo1,3,4-oxadiazole as a Novel Building Block to Design High-Performance Energetic Materials. <i>Crystal Growth and Design</i> , 2019, 19, 839-844.	3.0	38
25	Self-assembly of silver(Ag^+)-based high-energy metal-organic frameworks (HE-MOFs) at ambient temperature and pressure: synthesis, structure and superior explosive performance. <i>Chemical Communications</i> , 2017, 53, 7489-7492.	4.1	36
26	Oxygen-Enriched Metal-Organic Frameworks Based on 1-(Trinitromethyl)-1 <i>H</i> -1,2,4-Triazole-3-Carboxylic Acid and Their Thermal Decomposition and Effects on the Decomposition of Ammonium Perchlorate. <i>ACS Applied Materials & Interfaces</i> , 2021, 13, 21516-21526.	8.0	36
27	Molecular Design and Property Prediction for a Series of Novel Dicyclic Cyclotrimethylene Trinitramines (RDX) Derivatized as High Energy Density Materials. <i>Journal of Physical Chemistry A</i> , 2015, 119, 8250-8255.	2.5	35
28	Study on the one-pot oxidative esterification of glycerol with MOF supported polyoxometalates as catalyst. <i>Catalysis Science and Technology</i> , 2015, 5, 3383-3393.	4.1	34
29	LiN_5 : A novel pentazolate salt with high nitrogen content. <i>Chemical Engineering Journal</i> , 2022, 429, 132399.	12.7	33
30	Synthesis of novel magnetic chitosan supported protonated peroxotungstate and its catalytic performance for oxidation. <i>New Journal of Chemistry</i> , 2012, 36, 2587.	2.8	32
31	Highly efficient N-formylation of amines with ammonium formate catalyzed by nano- Fe_3O_4 in PEG-400. <i>RSC Advances</i> , 2014, 4, 1234-1240.	3.6	32
32	Syntheses of Energetic β -Pentazolate Salts. <i>Chemistry - an Asian Journal</i> , 2019, 14, 2877-2882.	3.3	32
33	Efficient and convenient C-3 functionalization of indoles through $\text{Ce}(\text{OAc})_3/\text{TBHP}$ -mediated oxidative C-H bond activation in the presence of β -cyclodextrin. <i>Green Chemistry</i> , 2011, 13, 3079.	9.0	30
34	3D-Cube Layer Stacking: A Promising Strategy for High-Performance Insensitive Energetic Materials. <i>Crystal Growth and Design</i> , 2017, 17, 6105-6110.	3.0	27
35	Alkali Metals-Based Energetic Coordination Polymers as Promising Primary Explosives: Crystal Structures, Energetic Properties, and Environmental Impact. <i>Chemistry - A European Journal</i> , 2018, 24, 14213-14219.	3.3	27
36	Regioselectivity nitration of aromatics with N_2O_5 in PEG-based dicationic ionic liquid. <i>Tetrahedron Letters</i> , 2011, 52, 1452-1455.	1.4	26

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37	Polyoxometalate-Based Metal-Organic Frameworks as Catalysts for the Selective Oxidation of Alcohols in Micellar Systems. <i>ChemPlusChem</i> , 2014, 79, 872-878.	2.8	26
38	Electrochemical Nonacidic Nitrosation/Nitration of Secondary Amines through a Biradical Coupling Reaction. <i>Advanced Synthesis and Catalysis</i> , 2020, 362, 5036-5043.	4.3	26
39	Facile and efficient hydrolysis of organic halides, epoxides, and esters with water catalyzed by ferric sulfate in a PEG1000-DAIL[BF ₄]/toluene temperature-dependent biphasic system. <i>New Journal of Chemistry</i> , 2011, 35, 292-298.	2.8	24
40	The hydration of nitriles catalyzed by simple transition metal salt of the fourth period with the aid of acetaldoxime. <i>Applied Organometallic Chemistry</i> , 2012, 26, 377-382.	3.5	23
41	Bi-functionalized PEG ₁₀₀₀ ionic liquid [Imim-PEG ₁₀₀₀ -TEMPO][CuCl ₂]: an efficient and reusable catalytic system for solvent-free aerobic oxidation of alcohols. <i>New Journal of Chemistry</i> , 2014, 38, 4149-4154.	2.8	23
42	Copper nanoparticles on dichromium trioxide: a highly efficient catalyst from copper chromium hydroxalate for oxidant-free dehydrogenation of alcohols. <i>Applied Organometallic Chemistry</i> , 2015, 29, 152-156.	3.5	23
43	Green and Efficient Methods for One-Pot Aerobic Oxidative Synthesis of Benzimidazoles from Alcohols with TEMPO-PEG ₄₀₀₀ -NHC-Cu(II) Complex in Water. <i>Synthetic Communications</i> , 2015, 45, 1476-1483.	2.1	22
44	Plant-mediated synthesis of Au-Pd alloy nanoparticles supported on MnO ₂ nanostructures and their application toward oxidation of 5-(hydroxymethyl)furfural. <i>RSC Advances</i> , 2015, 5, 85579-85585.	3.6	22
45	Tetracyclic pyrazine-fused furazans as insensitive energetic materials: syntheses, structures, and properties. <i>Organic and Biomolecular Chemistry</i> , 2018, 16, 8034-8037.	2.8	22
46	Nitramino-functionalized tetracyclic oxadiazoles as energetic materials with high performance and high stability: crystal structures and energetic properties. <i>CrystEngComm</i> , 2018, 20, 4321-4328.	2.6	22
47	Functionalized Ionic Liquid Promoted Aza-Michael Addition of Aromatic Amines. <i>Journal of the Chinese Chemical Society</i> , 2010, 57, 1221-1226.	1.4	21
48	An Efficient and Eco-friendly MoO ₃ -SiO ₂ Solid Acid Catalyst for Electrophilic Aromatic Nitration with N ₂ O ₅ . <i>Catalysis Letters</i> , 2011, 141, 1814-1820.	2.6	21
49	Structure, stability and intramolecular interaction of M(N ₅) ₂ (M = Mg, Ca, Sr) Tj ETQq1 1,0,784314,rgBT/O 3.6 21	3.6	21
50	One-step synthesis of honeycomb-like Ni/Mn-PMo ₁₂ ultra-thin nanosheets for high-performance asymmetric supercapacitors. <i>Applied Surface Science</i> , 2019, 497, 143760.	6.1	21
51	Combination of Polynitropyrazole and 5-Amino-1,2,4-oxadiazole Derivatives: An Approach to High Performance Energetic Materials. <i>Crystal Growth and Design</i> , 2020, 20, 3737-3746.	3.0	20
52	Theoretical studies on the stability of phenylpentazole and its substituted derivatives of -OH, -OCH ₃ , -OC ₂ H ₅ and -N(CH ₃) ₂ . <i>RSC Advances</i> , 2014, 4, 56095-56101.	3.6	19
53	Investigation on the Stability of Multisubstituted Arylpentazoles and the Influence on the Generation of Pentazolite Anion. <i>Journal of Energetic Materials</i> , 2016, 34, 103-111.	2.0	19
54	Oxidation of Benzyl Halides to Aldehydes and Ketones with Potassium Nitrate Catalyzed by Phase-Transfer Catalyst in Aqueous Media. <i>Synthetic Communications</i> , 2008, 38, 4188-4197.	2.1	18

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55	A series of high-energy coordination polymers with 3,6-bis(4-nitroamino-1,2,5-oxadiazol-3-yl)-1,4,2,5-dioxadiazine, a ligand with multi-coordination sites, high oxygen content and detonation performance: syntheses, structures, and performance. <i>Journal of Materials Chemistry A</i> , 2017, 5, 18854-18861.	10.3	18
56	Achieving Good Molecular Stability in Nitrogen-rich Salts Based on Polyamino Substituted Furazan-triazole. <i>Crystal Growth and Design</i> , 2020, 20, 6084-6092.	3.0	18
57	Chloromethylation of Aromatic Compounds Catalyzed by Surfactant Micelles in Oil/Water Biphasic System. <i>Catalysis Letters</i> , 2009, 131, 485-493.	2.6	17
58	Pd Nanoparticles Immobilized on Fe ₃ O ₄ @ Poly(ethylene glycol) Bridged Amine Functionalized Imidazolium Ionic Liquid: A Magnetically Separable Catalyst for Heck in Water. <i>Catalysis Letters</i> , 2015, 145, 1549-1556.	2.6	17
59	Co(II)-12-alkyl carbon chain multi-functional ionic liquid immobilized on nano-SiO ₂ @CoCl ₃ IL as an efficient cooperative catalyst for C-H activation by direct acylation of aryl halides with aldehydes. <i>Applied Organometallic Chemistry</i> , 2018, 32, e4096.	3.5	17
60	Pentazole anion cyclo-N ₅ ⁻ : a rising star in nitrogen chemistry and energetic materials. <i>Science China Chemistry</i> , 2018, 61, 1355-1358.	8.2	17
61	Pyrazolo[1,5-a]pyrimidine with similar amino-nitro-amino arrangement characteristics to TATB: a novel heat-resistant explosive with fused structure. <i>CrystEngComm</i> , 2021, 23, 2801-2808.	2.6	17
62	Facile and Efficient Reductive Homocoupling of Benzyl and Aryl Halides Catalyzed by Ionic Liquid [C12mim][CuCl ₂] in the Presence of Metallic Zinc and Copper. <i>Catalysis Letters</i> , 2011, 141, 467-473.	2.6	16
63	3-Methyl-oxazohadamantane as an Organocatalyst for the Aerobic Oxidation of Primary Amines to Oximes in Water. <i>Advanced Synthesis and Catalysis</i> , 2015, 357, 1175-1180.	4.3	16
64	Copper-catalyzed highly efficient aerobic oxidative synthesis of benzimidazoles, benzoxazoles and benzothiazoles from aromatic alcohols under solvent-free conditions in open air at room temperature. <i>Applied Organometallic Chemistry</i> , 2013, 27, 606-610.	3.5	15
65	Energetic furazan-triazoles with high thermal stability and low sensitivity: facile synthesis, crystal structures and energetic properties. <i>CrystEngComm</i> , 2019, 21, 6093-6099.	2.6	15
66	Cationic and anionic energetic materials based on a new amphotere. <i>Science China Materials</i> , 2019, 62, 751-758.	6.3	15
67	Oxidative Coupling of <i>o</i> -Phenylenediamine with Arylmethylamines to Synthesize Aryl-Substituted Benzimidazoles Under Catalyst-Free and Solvent-Free Conditions. <i>Synthetic Communications</i> , 2014, 44, 2520-2528.	2.1	14
68	Pentazolate Anion Cyclo-N ₅ ⁻ : Development of a New Energetic Material. <i>Engineering</i> , 2020, 6, 964-966.	6.7	14
69	Novel metal-organic frameworks assembled from the combination of polynitro-pyrazole and 5-nitroamine-1,2,4-oxadiazole: synthesis, structure and thermal properties. <i>Dalton Transactions</i> , 2021, 50, 12906-12912.	3.3	14
70	Regioselective Nitration of Aromatics with Nanomagnetic Solid Superacid SO ₄ ²⁻ /ZrO ₂ ·xH ₂ O·Fe ₃ O ₄ and Its Theoretical Studies. <i>ChemPlusChem</i> , 2013, 78, 310-317.		
71	Highly efficient synthesis of cyclic carbonates from carbon dioxide and epoxides catalyzed by ionic liquid [Heemim][ZrCl ₅]. <i>RSC Advances</i> , 2015, 5, 67886-67891.	3.6	13
72	Synthesis of Benzimidazoles via Iron-Catalyzed Aerobic Oxidation Reaction of Imine Derivatives with <i>o</i> -Phenylenediamine. <i>Synthetic Communications</i> , 2015, 45, 2148-2157.	2.1	13

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73	Aerobic oxidative synthesis of 2-arylbenzimidazoles, 2-arylbenzoxazoles, and 2-arylbenzothiazoles from arylmethanols or arylmethylamines catalyzed by Fe(III)/TEMPO under solvent-free conditions. <i>Journal of the Iranian Chemical Society</i> , 2015, 12, 771-778.	2.2	13
74	Salt Formation: Route To Improve Energetic Performance and Molecular Stability Simultaneously. <i>Crystal Growth and Design</i> , 2020, 20, 197-205.	3.0	13
75	Aerobic Oxidation of Benzylic Halides to Carbonyl Compounds with Molecular Oxygen Catalyzed by TEMPO/KNO ₂ in Aqueous Media. <i>Synthetic Communications</i> , 2010, 40, 1106-1114.	2.1	12
76	<i>In situ</i> Synthesized Energetic Salts Based on the C [∞] N Fused Tricyclic 3,9-Diamino-6,7-Dihydro-Bis(triazolo)-Tetrazepine Cation: A Family of High-Performance Energetic Materials. <i>Propellants, Explosives, Pyrotechnics</i> , 2018, 43, 595-601.	1.6	12
77	Efficient and Convenient Oxidation of Organic Halides to Aldehydes and Ketones Catalyzed by H ₅ IO ₆ /V ₂ O ₅ in Ionic Liquid [bmpy][PF ₆]. <i>Journal of the Chinese Chemical Society</i> , 2010, 57, 28-33.	1.4	11
78	Metal-Free: A Novel and Efficient Aerobic Oxidation of Primary Amines to Oximes Using N,N ² ,N ³ -Trihydroxyisocyanuric Acid and Acetaldoxime as Catalysts in Water. <i>Synlett</i> , 2014, 25, 1873-1878.	1.8	11
79	A highly water-dispersible and magnetically separable palladium catalyst based on functionalized poly(ethylene glycol)-supported iminophosphine for Suzuki-Miyaura coupling in water. <i>Applied Organometallic Chemistry</i> , 2015, 29, 419-424.	3.5	11
80	Efficient Mo(VI)-Catalyzed Hydration of Nitrile with Acetaldoxime. <i>Synthetic Communications</i> , 2014, 44, 474-480.	2.1	10
81	Comparative theoretical studies of high energetic cyclic nitramines. <i>Journal of Physical Organic Chemistry</i> , 2014, 27, 10-17.	1.9	10
82	Theoretical studies on stability and pyrolysis mechanism of salts formed by N5 ⁺ and metallic cations Na ⁺ , Fe ²⁺ and Ni ²⁺ . <i>Structural Chemistry</i> , 2015, 26, 785-792.	2.0	10
83	A Green and Effective Approach of Two-Step 2,2,4,4,6,6-Hexanitrostilbene Preparation and Its Industrial Scale Study. <i>Organic Process Research and Development</i> , 2016, 20, 668-674.	2.7	10
84	A kinetic investigation of thermal decomposition of 1,1-dihydroxy-5,5-bitetrazole-based metal salts. <i>Journal of Thermal Analysis and Calorimetry</i> , 2017, 130, 1213-1220.	3.6	10
85	Syntheses, Structures, and Properties of Polynitro-Substituted 5,6-Dihydroimidazo[1,2- <i>a</i>]:2,1-pyrazine Energetic Compounds. <i>Crystal Growth and Design</i> , 2022, 22, 3914-3923.	3.0	10
86	Theoretical investigations of pyridine derivatives as potential high energy density materials. <i>Journal of Physical Organic Chemistry</i> , 2013, 26, 211-217.	1.9	9
87	A green and efficient method for synthesis of benzimidazoles using nano-Fe ₃ O ₄ in PEG ₄₀₀ /H ₂ O aqueous system under ambient conditions at room temperature. <i>Applied Organometallic Chemistry</i> , 2014, 28, 436-440.	3.5	9
88	MOF derived Bi ₂ MoO ₆ /TiO ₂ nano hybrids: enhanced photocatalytic activity for Rhodamine B degradation under sunlike irradiation. <i>Research on Chemical Intermediates</i> , 2018, 44, 6431-6444.	2.7	9
89	Recent research on the synthesis pentazolate anion cyclo-N ₅ ⁻ . <i>FirePhysChem</i> , 2021, 1, 33-45.	3.4	9
90	Facile and Efficient Amination of Organic Halides Catalyzed by Copper Sulfate in PEG ₁₀₀₀ -DIL/Methylcyclohexane Temperature-Dependent Biphasic System. <i>Journal of the Chinese Chemical Society</i> , 2010, 57, 604-611.	1.4	8

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91	Palladium nanoparticles embedded in improved mesoporous silica: a pH-triggered phase transfer catalyst for Sonogashira reaction. <i>Applied Organometallic Chemistry</i> , 2015, 29, 674-677.	3.5	8
92	Green and reusable homogeneous oxidative system with ceric ammonium nitrate/[Imim-PEG ₁₀₀₀ -TEMPO] for efficient aerobic oxidation of alcohols and one-pot synthesis of benzimidazoles from alcohols under ambient conditions. <i>Applied Organometallic Chemistry</i> , 2015, 29, 109-112.	3.5	8
93	Manganese dioxide and N_2 , N_3 -trihydroxyisocyanuric acid: a novel and recyclable catalytic system for aerobic oxidation of toluene derivatives in PEG ₁₀₀₀ -based dicationic acidic ionic liquid. <i>Applied Organometallic Chemistry</i> , 2015, 29, 276-279.	3.5	8
94	Aerobic oxidative synthesis of benzimidazoles from amines catalyzed by 3-methyl-4-oxa-5-azahomoadamantane and iron(III) chloride. <i>Research on Chemical Intermediates</i> , 2015, 41, 10017-10025.	2.7	8
95	Boosting the performance of energetic materials through thermally-induced conformational transition. <i>CrystEngComm</i> , 2019, 21, 796-799.	2.6	8
96	Higher performing and less sensitive CN7 ⁺ -based high-energy-density material. <i>Science China Materials</i> , 2020, 63, 1779-1787.	6.3	8
97	Complex of [BMIm] PF ₆ with PEG ₁₀₀₀ : a high efficient and recycle system for palladium-catalyzed Suzuki cross-coupling and Heck reaction. <i>Applied Organometallic Chemistry</i> , 2012, 26, 305-309.	3.5	7
98	Proline: an efficient N ₂ -bidentate ligand for copper-catalyzed intramolecular cyclization reaction of 2-iodoanilines with nitriles for the synthesis of benzimidazoles. <i>Applied Organometallic Chemistry</i> , 2014, 28, 764-767.	3.5	7
99	Pyridylpentazole and its derivatives: a new source of N ₅ ⁺ ? <i>RSC Advances</i> , 2015, 5, 27699-27705.	3.6	7
100	From mono-rings to bridged bi-rings to caged bi-rings: a promising design strategy for all-nitrogen high-energy-density materials N10 and N12. <i>New Journal of Chemistry</i> , 2021, 45, 6379-6385.	2.8	7
101	Nitrogen-rich ion salts of 1-hydroxytetrazole-5-hydrazide: a new series of energetic compounds that combine good stability and high energy performance. <i>Dalton Transactions</i> , 2022, 51, 10216-10220.	3.3	7
102	Selective Oxidation of Sulfides to Sulfoxides/Sulfones by 30% Hydrogen Peroxide. <i>Phosphorus, Sulfur and Silicon and the Related Elements</i> , 2012, 187, 822-830.	1.6	6
103	Theoretical studies on high energetic density nitramine explosives containing pyridine. <i>Science China Chemistry</i> , 2012, 55, 1903-1909.	8.2	6
104	A Novel and Efficient Synthesis of Hexanitrostilbene by N-Hydroxyphthalimide/FeCl ₂ -Catalyzed Aerobic Dehydrogenation of Hexanitrobibenzyl. <i>Journal of Energetic Materials</i> , 2013, 31, 217-223.	2.0	6
105	Preparation of heteropoly acid based amphiphilic salts supported by nano oxides and their catalytic performance in the nitration of aromatics. <i>RSC Advances</i> , 2013, 3, 2197.	3.6	6
106	Molecular Design of New Nitramine Explosive: 1,3,5,7-Tetraaza-1,2,3,5, 6,7-hexahydros-indacene Derivatives. <i>Polycyclic Aromatic Compounds</i> , 2013, 33, 297-309.	2.6	6
107	Iron-catalyzed highly efficient aerobic oxidative synthesis of benzimidazoles direct from oximes in water. <i>Research on Chemical Intermediates</i> , 2016, 42, 471-479.	2.7	6
108	Modification of crystalline energetic salts through polymorphic transition: enhanced crystal density and energy performance. <i>CrystEngComm</i> , 2020, 22, 4130-4135.	2.6	6

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109	A low sensitivity energetic cocrystal of ammonium pentazolate. <i>Journal of Energetic Materials</i> , 2023, 41, 99-116.	2.0	6
110	Occurrence, Distribution, and Ecological Risk Assessment of Antibiotics in Different Environmental Media in Anqing, Anhui Province, China. <i>International Journal of Environmental Research and Public Health</i> , 2021, 18, 8112.	2.6	6
111	C ₅ H ₂ N ₁₄ O ₆ : achieving azido-based materials with zero oxygen balance and good energetic performance. <i>New Journal of Chemistry</i> , 2021, 45, 20542-20546.	2.8	6
112	Chloromethylation of 2-chloroethylbenzene catalyzed by micellar catalysis. <i>Science in China Series B: Chemistry</i> , 2009, 52, 893-899.	0.8	5
113	Application of Wittig Reaction in Synthesis of Novel Pyridine Dicarboxylic Acid Derivatives with High Ligand Activity. <i>Synthetic Communications</i> , 2011, 41, 3403-3408.	2.1	5
114	Efficient Aerobic Oxidative Synthesis of Benzimidazoles with Fe(III) based PEG ₁₀₀₀ Dicationic Imidazolium Ionic Liquid/toluene Temperature-Dependent Biphasic System. <i>Journal of the Chinese Chemical Society</i> , 2015, 62, 103-106.	1.4	5
115	Compatibility study of NaN ₅ with traditional energetic materials and HTPB propellant components. <i>Journal of Energetic Materials</i> , 2020, 38, 445-454.	2.0	5
116	Catalytic wet air oxidation of aromatic compounds: degradation in molybdovanadophosphoric polyoxometalates micellar system under room temperature conditions. <i>Journal of the Iranian Chemical Society</i> , 2013, 10, 123-129.	2.2	4
117	A Facile and Efficient Catalytic System for the Oxidation of Alcohols with Gold(III) and Ionic Liquid Immobilized TEMPO under Solvent-Free Conditions. <i>Synlett</i> , 2014, 25, 2459-2462.	1.8	4
118	Copper(II) Acetate-Catalysed Conversion of Aldoximes to Amides under Mild Conditions. <i>Journal of Chemical Research</i> , 2016, 40, 594-596.	1.3	4
119	Theoretical study on benzoheterocycle based energetic materials, effect of heterocyclic-fused, conjugation, hydrogen bond, and substitutional group on the detonation performance. <i>Journal of Molecular Modeling</i> , 2018, 24, 40.	1.8	4
120	Conjugation in multi-tetrazole derivatives: a new design direction for energetic materials. <i>Journal of Molecular Modeling</i> , 2018, 24, 173.	1.8	4
121	Solvent effects on the geometry, electronic structure, and bonding style of Zn(N ₅) ₂ : A theoretical study. <i>Journal of the Chinese Chemical Society</i> , 2020, 67, 235-241.	1.4	4
122	Thermal Decomposition Kinetics of Potential Solid Propellant Combustion Catalysts Fe(II), Zn(II), Hydroxylammonium, and Hydrazinium Pentazolates. <i>Propellants, Explosives, Pyrotechnics</i> , 2022, 47, .	1.6	4
123	Salt Formation, to Realize a Good Combination of High Energy and Low Sensitivity of Nitroform-Based Energetic Compounds. <i>Crystal Growth and Design</i> , 2022, 22, 167-173.	3.0	4
124	[Na ₄ (N ₅) ₄ (H ₂ O) ₂] <u>·</u> 2H ₂ O <u>·</u> 2MeOH: a honeycomb-like sodium pentazolate framework with helical chains. <i>CrystEngComm</i> , 2022, 24, 4853-4856.	2.6	4
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